



Periodic Review Report

Former FO Pierce Company
2-33 50th Avenue
Long Island City, New York

July 30, 2025

Prepared for:

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Executive Summary

The Former PO Pierce Company Site located in the Long Island City section of Queens, New York has been remediated as part of the compliance with the New York State (NYS) Brownfield Cleanup Program (BCP). The site has been remediated to meet combined Conditional Track 1/ Track 4 soil clean-up objectives.

This 1.74-acre Site was historically developed and used for varnish and paint manufacturing from the late 1800s to the early 1980s. Prior to the remedial action, the Site was vacant and consisted of a combined single- and two-story building, a parking lot, and overgrown vegetation in the west portion of the Site. Sampling during the Remedial Investigation documented semivolatile organic compounds (SVOCs; primarily polycyclic aromatic hydrocarbons [PAHs]) and metals (primarily lead and mercury) in soils that exceed the NYS Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted Residential SCOs (RRSCOs), and Protection of Groundwater SCOs (PGWSCOs). SVOCs (primarily PAHs) were detected above the NYS ambient water quality standards and guidance values (AWQSGVs). However the concentrations likely do not reflect dissolved concentrations, and metals exceedances were of naturally occurring analytes which are not of concern. Additionally, low-level hydrocarbon compounds were detected on-Site, which were later determined to be associated with two previously unknown underground storage tanks (USTs), which were discovered and removed during remedial excavation work.

The remedy that was selected for implementation at the Site included excavation of contaminated soils and backfill with clean fill, stabilization of Toxicity Characteristic Leaching Procedure (TCLP) lead in soil, construction and maintenance of a cover system in the Track 4 area, imposition of an institutional control (IC) in the form of an Environmental Easement for the portion of the Site that did not achieve a Track 1 Unrestricted Use cleanup which restricts future land use and prevents exposure to remaining contamination, and development and implementation of a Site Management Plan (SMP), which includes plans for ICs and engineering controls (ECs), groundwater monitoring, and reporting.

All Site Cover System components of the Site redevelopment were completed in 2023. After getting the Certificate of Completion (COC) in December 2023, construction of the onsite building continued vertically, and is currently ongoing. 50th & 5th LIC LLC is redeveloping the Site as a mixed-use (commercial/residential), mixed-income (affordable rental housing/market-rate rental housing) building.

The ECs include the maintenance of the existing cover system, which is intact and functioning as required. ICs include allowing the continued use and development of the Track 4 controlled portion of the Site for restricted residential (or commercial or industrial uses) and groundwater use restrictions. All Site restrictions have been enforced and complied with during the reporting period of December 30, 2023 to March 30, 2025.

The Monitoring Plan includes post-remediation media monitoring and sampling and annual inspection and certification by a Qualified Environmental Professional of the cover system and the Site as a whole. Groundwater samples were collected and sampled during four events occurring in the Reporting Period. The results of the sampling can be found in the Groundwater Monitoring Plan Summary Report included in Appendix D. The inspection of the cover system and the Site was conducted on May 15, 2025, and all aspects of the ECs and ICs were found to be active and in practice. A Site Inspection Form is included as Appendix B.

PRR submittals are currently scheduled for submittal on an annual basis. This frequency is to be re-evaluated after completion of the development construction during the next reporting period.

1. Introduction

This Periodic Review Report (PRR) has been prepared, as required, as an element of the remedial program at the Former PO Pierce Company Site (hereinafter referred to as the "Site") under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index #C241251, which was executed on June 4, 2021. The Site was acquired by 50th & 5th LIC LLC in September of 2021.

1.1 Site Background

The site is located at 2-33 50th Avenue in Long Island City, Queens County, New York and is identified as Block 17 and Lot 1 on the Queens Tax Map (see Figure 1). The site is an approximately 1.74 acre area and is bounded by 49th Avenue to the north, 50th Avenue to the south, 5th Street to the east, and residential and commercial properties to the west (Figure 2).

The Site is zoned Residential and Commercial. A Subway Easement for the New York City Transit (NYCT) Subway 7 Line (Route No. 26) runs beneath the Site's southern portion at a depth that decreases as the Tunnel transverses diagonally from west to southeast beneath the Site. The existence of the Subway easement limited the extent of potential remedial excavations in the area, preventing pursuit of Track 1 soil cleanup objectives (SCOs) for the now Track 4 area of the Site.

The properties adjoining the Site and in the neighborhood surrounding the Site primarily include commercial and residential properties. The properties immediately south of the Site include a Metropolitan Transportation Authority (MTA) fan ventilation plant, several residential properties, mixed-use and commercial use properties, and a UA Local 1 (labor union) building; the properties immediately north of the Site include several residential and commercial properties, a school, and a parking facility; the properties immediately east of the Site include several residential, mixed-use, and commercial properties including an auto repair shop; and the properties to the west of the Site include residential and commercial properties.

1.2 Site History and Current Conditions

Prior to the remedial action, the Site was vacant and consisted of a combined single- and two-story building, a parking lot, and overgrown vegetation in the west portion of the Site. Prior to that, the Site was used as a warehouse for art storage. According to city records, the original building was built in 1931 and altered in 1987. Historically, the Site was developed and used for varnish and paint manufacturing from the late 1800s to the early 1980s.

The anticipated future uses of the Site include a mixed-use (residential and commercial), mixed-income building with a partial cellar. All Site Cover System components of the Site redevelopment were finalized in 2023. After getting the Certificate of Completion (COC) in December 2023, construction of the onsite building continued vertically, and is currently ongoing.

1.3 Nature and Extent of Contamination

Soil

The remaining soil contamination after the remedial action was completed is located in the south portion of the Site and in isolated areas in the northern portion where a Track 4 Restricted Residential Use cleanup

was achieved through the implementation of the engineering control (EC), the Site Cover System, where Unrestricted Use SCOs (UUSCOs) were exceeded. All of the remaining soil has been contained under the Site cover system. Based on the endpoint samples collected during the remedial action, the remaining contamination is limited primarily to a subset of certain volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, and polychlorinated biphenyls (PCBs). No exposed soil remains onsite as the Site Cover System (slab on grade) covers the entirety of the Track 4 area and the building foundation slab covers the entirety of the Conditional Track 1 area.

Groundwater

The remaining groundwater contamination after the remedial action was completed is limited to one VOC, benzene, in a localized area in the north portion of the Conditional Track 1 area. The groundwater contamination is a result of a hotspot area (SW-19) detected in soil located in WC-5/WC-8. The hot spot was likely associated with a former fuel oil underground storage tank (UST). During the remedial action, the hotspot soil was delineated, excavated to the remedial depth of 22 feet below land surface (ft bls), and removed from the Site. Following removal, in situ chemical treatment occurred within the hotspot excavation limits utilizing Regenesis products. RegenOX was applied directly to soil exposed from the excavation to oxidize contaminants and Oxygen Release Compound Advanced (ORC-A) was applied to the stone backfilled into the excavation to facilitate long-term aerobic bioremediation of residual contaminants.

Soil Vapor

Soil vapor samples collected during the Remedial Investigation (RI) detected a wide range of hydrocarbon compounds in almost every sample. Most of these soil vapor detections were low and were not found in groundwater or soil, with exception of two hydrocarbon VOCs (xylenes and benzene), which were found in groundwater at low concentrations in only two former wells (MW-16 and GW-5). MW-16 was located near the former oil storage building at the center of the Site and GW-5 was located on the east side of the Site inside. These VOCs, however, were not found in soil. The chlorinated VOCs trichloroethylene (TCE) and tetrachloroethylene (PCE) were detected in most soil vapor samples at low to moderate concentrations across the Site. These compounds were not detected onsite in soil or groundwater. The soil vapor detections are believed to originate from off-Site sources.

No soil vapor sampling was required to be completed as part of the remedial action.

1.4 Summary of Remedial Actions

The Site was remediated in accordance with the remedy selected by the NYSDEC in the Remedial Action Work Plan (RAWP) dated March 24, 2022, and the Decision Document dated April 5, 2022. The following are the components of the selected remedy to meet combined Conditional Track 1 (Unrestricted) and Track 4 (Restricted Residential) use:

1. Installation of support of excavation (SOE) as required by the New York City Department of Buildings (NYCDOB) to reach the proposed excavation depths, which is a critical component of the remedy.
2. Excavation and off-site disposal of a total of approximately 45,207 tons of soil/fill across the site to achieve Conditional Track 1 and Track 4 as described below. The final excavation and disposal volumes include:
 - Approximately 41,832 tons of soils exceeding UUSCOs were removed to achieve a Conditional Track 1 Unrestricted Use cleanup across the majority of the northern portion of the site with a cellar;

- Approximately 3,375 tons of soils exceeding Restricted Residential SCOs (RRSCOs) were removed to achieve a Track 4 Restricted Residential Use cleanup across the southern portion of the site and isolated areas in the northern portion with a slab at grade.
- 3. Stabilization of Toxicity Characteristic Leaching Procedure (TCLP) lead in soil. Lead impacted soils were delineated and stabilized in-situ to remove the lead toxicity characteristics prior to offsite disposal. Approximately 5,250-cubic yards of soil were delineated and stabilized during this phase. A total of 6,836-gallons of MAECTITE® Reagent was used to treat an approximate volume of 5,250 cubic yards of lead contaminated soil. A small area of lead stabilized soil remained onsite in the Track 4 area.
- 4. Following delineation of a minor exceedance encountered during the Remedial Excavation, a 21-foot x 24-foot area was identified as containing hydrocarbon-type source material. This area was excavated an additional 6 feet past proposed remedial excavation depth of 16' below grade. Confirmatory end point and side wall samples were taken to confirm successful removal of materials. Following removal, the excavation walls were treated with 2,720 pounds of RegenOx, and the NYSDEC approved stone backfill was treated with 200 lbs of ORC-A.
 - Where soil continued to exceed Track 1 SCOs past the final construction depth, localized over-excavations were performed to remove and dispose of soils not meeting Track 1 SCOs. Over excavations were performed for the entirety of each grid, where accessibility allowed, and continued in two-foot depth increments until Conditional Track 1 UUSCOs were achieved as outlined in the RAWP. Once clean Conditional Track 1 UUSCOs were achieved in areas of over excavation, additional side wall samples were collected at a rate of 1 sidewall sample every 30 linear feet around the perimeter of the over excavation and compared against Track 1 UUSCOs to confirm the limits of the over excavation as per DER-10.
- 5. Two unregistered USTs, UNREG-1 and UNREG-2, were discovered and removed during remedial excavation work. Approximately 138 gallons of liquids were recovered from UNREG-1 and the area surrounding UNREG-1 was excavated an addition 6 feet below the tank bottom. Approximately 75 gallons of liquid and 5 gallons of sludge were recovered from UNREG-2 and the area surrounding UNREG-2 was excavated down to 11 ft bls. Bottom samples were collected below both USTs and recovered liquid and sludge was disposed of offsite.
- 6. Collection and analysis of Site-wide endpoint samples to evaluate the performance of the remedy with respect to attainment of Conditional Track 1 UUSCOs and Track 4 RRSCOs at a rate of one endpoint sample per approximately 2,500 square feet as per the approved RAWP. Sidewall samples were collected at the interface between the Conditional Track 1 and Track 4 areas of the Site. Sidewall samples were not required where excavation extends to the property line.
- 7. Approximately 4,550 tons of clean stone were imported to the Site following approval by NYSDEC. The imported clean stone was used to backfill the excavation areas and to create/maintain the stabilized construction entrance. Material comprising the truck pad was ultimately disposed of off-site along with other Site soils during excavation efforts.
- 8. Dewatering, in compliance with city, state, and federal laws and regulations during excavation activities. Approximately 6,418,700 gallons of extracted groundwater were treated on-Site utilizing a temporary on-Site treatment system comprised of a settling tank, bag filter manifold and activated carbon filters before being discharged to the combined sewer pursuant to a de-watering permit issued by the New York City Department of Environmental Protection (NYCDEP).
- 9. Construction and maintenance of a cover system in the Track 4 area consisting of clean stone/backfill, vapor barrier and a new concrete slab on grade to prevent human exposure to remaining contaminated soil/fill remaining at the Site.
- 10. Imposition of an institutional control in the form of an Environmental Easement for the portion of the Site that did not achieve a Track 1 Unrestricted Use cleanup to ensure proper site use and to prevent future exposure to any residual contamination remaining in these areas, which:
 - Requires the remedial party or Site owner to complete and submit to the NYSDEC a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

- Allows the continued use and development of the controlled for the portion of the Site for restricted residential (or commercial or industrial uses) as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
 - Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or Article 141 of the NYCDOH code (i.e., groundwater restriction applies to the entire Site); and
 - Requires compliance with the NYSDEC approved SMP.
11. Development and implementation of a Site Management Plan (SMP) for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) groundwater monitoring, and (3) reporting.
12. Periodic certification of the institutional and engineering controls listed above.

2. IC/EC Plan Compliance

Since remaining contaminated soil, groundwater and soil vapor exist beneath the Site, institutional controls (IC)/ECs are required to protect human health and the environment. The ECs and ICs for the Site are listed below.

2.1 Engineering Controls

The following section describes the ECs implemented at the Site.

2.1.1 Cover System

Exposure to remaining contamination in soil at the site is prevented by the engineered Site Cover System constructed on the Site. The engineered Site Cover System is comprised of a combination of concrete building foundation, NYSDEC approved clean stone, and a demarcation layer (vapor barrier in Track 4 area and waterproofing layer in Conditional Track 1). This cover system is comprised of a minimum of 10 inches of concrete underlain by a vapor barrier membrane and 14 inches of NYSDEC-approved clean stone/backfill, with the exception of a few locations that are comprised of a minimum of 10 inches of concrete underlain by a vapor barrier membrane and 14 inches of additional concrete (Figure 2).

2.1.2 Status and Effectiveness of ECs

The existing cover system is intact and functioning as required.

2.2 Institutional Controls

The site remedy requires that an environmental easement be placed on the Track 4 Restricted Residential portion of the property to (1) implement, maintain and monitor the ECs; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of portions of the Site to Restricted Residential uses in the Track 4 area. The environmental easement for the site was executed by the Department on December 28th, 2023, and filed with the Office of the City Register of the City of New York on December 28th, 2023, at City Register File Number (CFRN) 2023000336392. These ICs stated in the Environmental Easement include:

The property may be used for restricted residential, commercial, or industrial use. All ECs must be operated and maintained as specified in the SMP.

All ECs must be inspected and certified at a frequency and in a manner defined in the SMP.

- The property may be used for: restricted residential, commercial or industrial, use;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Queens County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted within the Final Engineering Report (FER), and any potential impacts that are identified must be monitored or mitigated;
- Vegetable gardens and farming on the site are prohibited; and
- An evaluation shall be performed to determine the need for further investigation and remediation should large scale redevelopment occur, if any of the existing structures are demolished, or if the subsurface is otherwise made accessible.

2.2.2 Status and Effectiveness of ICs

The Environmental Easement has been executed and recorded.

2.3 IC/EC Certification

The In accordance with NYSDEC's requirements for this Site, the IC/EC Certification form has been completed and has been provided in Appendix A as part of this PRR submission. This PRR and IC/EC Certification form covers the period from December 30, 2023 through March 30, 2025.

3. Site Monitoring and Sampling Plan Compliance Report

The various subsections below describe monitoring and sampling required as part of the remedy and also include an evaluation of the remedy performance, effectiveness, and protectiveness.

3.1 General

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy.

This Monitoring and Sampling Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment;

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

3.2 Site-Wide Inspection

As part of the Site-wide inspection, the cover system will be inspected, maintained, and repaired as necessary to prevent public contact with historical fill or other soils that do not meet the SCOs required for the soil cover system. The cover system will be inspected annually. In accordance with DER-10, certification that a soil cover or site cap remains effective by inspection can be provided by a qualified environmental professional.

The inspection of the surface cover system will typically include inspection of the following:

- Hard surface cover for evidence of deep cracks, potholes, cuts, depressions and/or rutting exposing demarcation barriers and historic fill.
- Surface soil cover to identify any areas where there is evidence of:
 - Excessive settlement or erosion relative to the surrounding areas;
 - Excessive ponding of surface water that could damage the soil cover;
 - Exposed or damaged underlying demarcation barrier(s); and

- Animal burrows or invasive deep-rooted vegetation that could compromise the integrity of the cover system.
- Modifications to the surface cover system with respect to repairs or changes in cover system construction.

3.3 Post-Remediation Groundwater Monitoring and Sampling

Groundwater sampling will occur quarterly for a total of four sampling events to assess the performance of the remedy. Following the fourth sampling event, a Groundwater Monitoring Plan Summary Report will be prepared and submitted to the NYSDEC outlining the sampling results and proposed course of action. Modification to the frequency or sampling requirements will require approval from the NYSDEC project manager.

A network of monitoring wells has been installed to monitor upgradient, on-site and downgradient groundwater conditions at the site. The network of on-site and off-site wells has been designed to monitor the overall performance of the remedial action. As of September 9th, 2023, all seven ground water monitoring wells had been installed in accordance with the approved Groundwater Monitoring Plan. The monitoring well network for this Site includes GW-01 through GW-07. GW-01 through GW-04 monitor upgradient and downgradient of the Conditional Track 1 area and GW-05 through GW-07 are positioned to monitor upgradient and downgradient of the Track 4 area.

In accordance with the Groundwater Monitoring Plan, the seven groundwater monitoring wells were to be sampled for the following analyses:

- VOCs by Environmental Protection Agency (EPA) Method 8260D;
- SVOCs by EPA Method 8270E;
- Total Metals by EPA Method 6020; and
- Dissolved Metals by EPA Method 6020.

If biofouling or silt accumulation occurs in the on-site and/or off-site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced if an event renders the wells unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

The NYSDEC project manager will be notified prior to any repair or decommissioning of any monitoring well for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent Periodic Review Report.

3.4 Post-Remediation Soil Vapor Intrusion Sampling

No soil vapor sampling was required to be completed as part of the remedial action at the Site. As a protective measure a vapor barrier was installed in the Track 4 area as described in Section 3.1.1.

3.5 Summary of Monitoring Completed During the Reporting Period

The below sections summarize the site-wide inspection and groundwater monitoring activities conducted during the Reporting Period.

3.5.1 Site-Wide Inspection

On May 15, 2025, Roux performed a Site-wide inspection to meet the requirements for this reporting period. This inspection determined that all Site Cover System elements described herein were observed to be performing as designed during the reporting period and are protective of human health and the environment. The completed Site Inspection Checklist is provided in Appendix B and photographs taken during the Site-wide inspection are provided in the Photo Log included in Appendix C.

3.5.2 Post-Remediation Groundwater Monitoring and Sampling

Groundwater monitoring wells (GW-01 through GW-07) are shown on Plate 1. Groundwater samples were collected during four sampling events from seven monitoring wells. Sampling events occurred on the following dates:

- October 30 and October 31, 2023;
- January 29, 2024 and February 28, 2024;
- May 6, 2024; and
- July 31, 2024.

As required by the SMP, following the fourth sampling event, a Groundwater Monitoring Plan Summary Report was prepared and submitted to the NYSDEC on September 23, 2024, outlining the sampling results and proposed course of action (Appendix D). Plate 1 presents the sampling results during the four sampling events to date and includes only those parameters with at least one exceedance of AWQSGVs contained in a respective well. Data Usability Summary Reports (DUSRs) prepared by a party independent from the laboratory performing analysis for all samples are included in Attachment 2 of the Groundwater Monitoring Plan Summary Report.

The Groundwater Monitoring Plan Summary Report in Appendix D also discusses the trends for VOCs, SVOCs, and metals in the samples collected during the Reporting Period. The results of the monitoring indicate that the groundwater quality surrounding the Site is generally consistent with background levels. The remaining groundwater exceedances at the Site are in decline and/or were observed in low levels. Recorded end-point samples collected during the remedial action also indicate that past contamination with the potential to influence the groundwater quality in the vicinity of GW-03, has all been removed within the boundaries of the site. NYSDEC reviewed the Groundwater Monitoring Plan Summary Report and on February 3, 2025, provided comment that annual groundwater monitoring should continue at the Site.

Additionally, it should be noted that during the first groundwater sampling event of 2025 and the Sitewide inspection on May 15, 2025, monitoring well GW-06 was unable to be located (and therefore was not sampled during the April 2025 event). It is assumed the well was paved over. Further details regarding action items to be taken are described in Section 3.6.

3.5.3 Green Remediation Metrics for Site Management

Per the SMP, NYSDEC's DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology.

During the Reporting Period, consideration was given to sampling frequencies, coordination/consolidation of field activities, vehicle use and design materials to improve sustainability and minimize the environmental impact of enacting the remedy. A summary of green remediation metrics can be found in Appendix E.

3.6 Monitoring Deficiencies

As described in the Groundwater Monitoring Plan Summary Report one monitoring well, GW-03 was not accessible during the first groundwater sampling event in October 2023 due to conflicts with construction related activities causing the well to be inaccessible. The obstacles were later cleared and the well was subsequently sampled during the remainder of the sampling events during the Reporting Period. As noted in Section 3.6.2, groundwater monitoring well GW-06 is currently unable to be located and is assumed to be paved over. The last three results of groundwater samples at this monitoring well location have had limited exceedances of contaminants of concern at the Site with only two low-level exceedances of the SVOCs phenol and benzo(b)fluoranthene. Therefore, at this time Roux is not proposing to reinstall the monitoring well as contamination at this location is negligible and there is sufficient distribution of monitoring wells across the Site to sample during future groundwater monitoring events.

4. PRR Conclusions and Recommendations

4.1 Site Monitoring and Sampling Conclusions and Recommendations

Based on the results of the groundwater sampling during the Reporting Period, it is Roux's opinion that although minor low-level exceedances of NYSDEC AWQSGVs are still detected, they are expected to diminish over time through natural attenuation and be influenced more by offsite conditions rather than the current onsite conditions. In consultation with NYSDEC, while there are few exceedances of the AWQSGVs, the benzene in GW-03 is increasing, and several wells are showing phenol where there previously were no detections, therefore groundwater sampling will continue for the next reporting period.

The cover system has been properly maintained during the reporting period and an annual cover and Site-wide inspection was conducted on May 15, 2025.

The primary recommendation is to continue required monitoring and inspection in compliance with the SMP. Site vertical development is anticipated to continue and will be completed in 2025.

4.2 Compliance with the SMP

During the reporting period, there has been full compliance with all components of the SMP. This includes the EC/IC Plan, the main provisions of which include maintenance of the cover system (EC) and execution and recording of the Environmental Easement and adherence with the Site restrictions (IC). Compliance with the Monitoring Plan required annual inspection with cover system and the Site in general. These inspections were conducted on May 15, 2025. Groundwater monitoring will be conducted annually going forward in compliance with the SMP.

4.3 Performance and Effectiveness of the Remedy

The Site remedy included maintenance of the existing cover system, execution of an Environmental Easement restricting future land use, and development of a SMP. All components of the remedy have been implemented. The cover system was fully installed in 2023. The remedy has been entirely effective in preventing contact with impacted soils beneath the cap and the easement has made inappropriate use of the Site impossible and has ensured future development will be protective of human health and the environment.

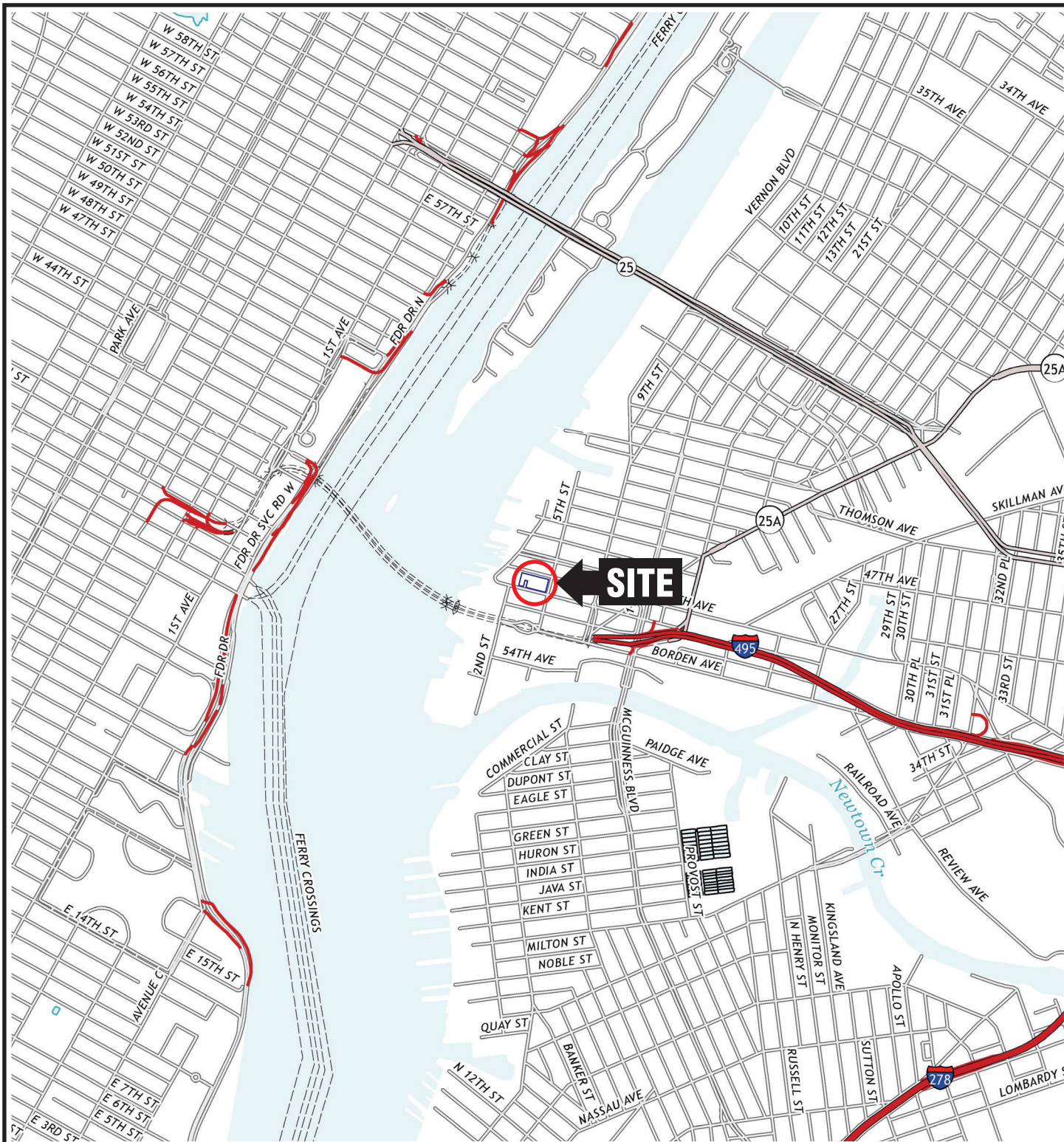
4.4 Future PRR Submittals

PRR submittals are currently scheduled for submittal on an annual basis. This frequency is to be re-evaluated after completion of the development construction during the next reporting period.

Periodic Review Report
Former PO Pierce Company Site
2-33 50th Avenue, Long Island City, NY

FIGURES

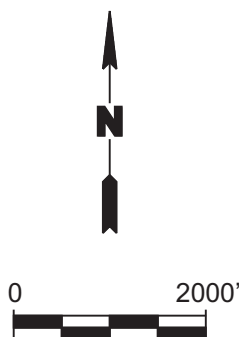
1. Site Location Map
2. Track 4 Cover Map



QUADRANGLE LOCATION



SOURCE:
USGS; Brooklyn, NY (2013),
USGS; Central Park, NY-NJ (2013),
USGS; Weehawken, NJ-NY (2011),
USGS; Jersey City, NJ-NY (2011)
7.5 Minute Topographic Quadrangles



Title:

SITE LOCATION MAP

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

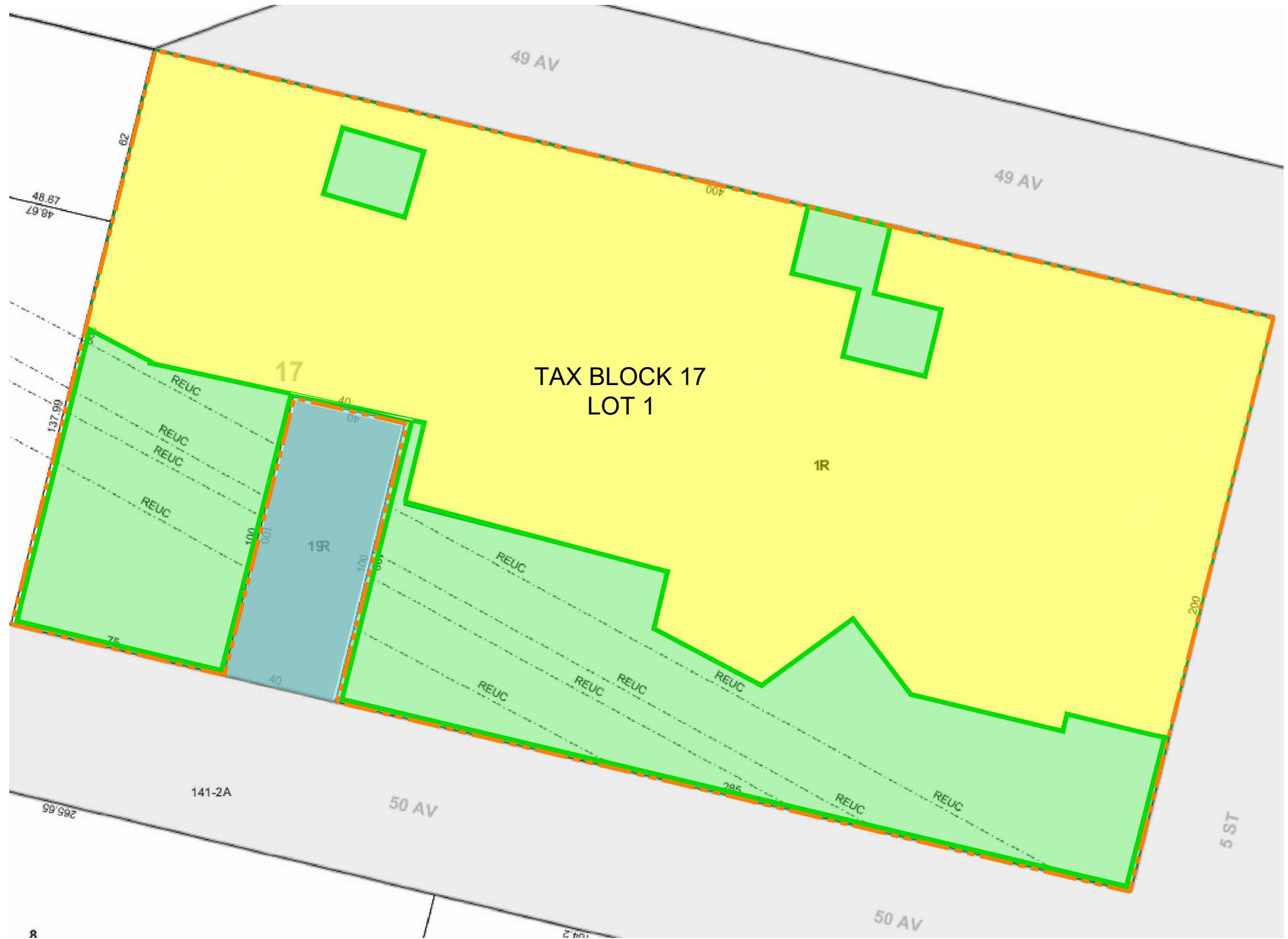
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

Compiled by: A.I.	Date: 23MAY25
Prepared by: G.M.	Scale: AS SHOWN
Project Mgr.: A.P.	Project No.: 2887.0004Y000
File: 2887.0004Y169.01.CDR	

FIGURE

1

V:\CAD\PROJECTS\2887\0004\Y169\2887_0004\169.02.DWG



LEGEND

- BCP SITE BOUNDARY
- TRACK 4 AREA BOUNDARY
- LOT NOT PART OF THE BCP SITE
- CONDITIONAL TRACK 1 AREA
- TRACK 4 AREA

BCP — BROWNFIELD CLEANUP PROGRAM

NOTE

THIS TRACK 4 COVER SYSTEM IS COMPRISED OF A MINIMUM OF 10-INCHES OF CONCRETE UNDERLAIN BY A VAPOR BARRIER MEMBRANE AND 14-INCHES OF NYSDEC-APPROVED CLEAN STONE/BACKFILL.



Title:

TRACK 4 SITE COVER MAP

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50th & 5th LIC LLC

ROUX	Compiled by: A.I.	Date: 27MAY25	FIGURE 2
	Prepared by: G.M.	Scale: NOT TO SCALE	
	Project Mgr: A.P.	Project: 2887.0004Y000	
	File: 2887.0004Y169.02.DWG		

Periodic Review Report
Former PO Pierce Company Site
2-33 50th Avenue, Long Island City, NY

APPENDICES

- A. IC and EC Certification Form
- B. Annual Site Inspection Form
- C. Annual Inspection Photograph Log
- D. Groundwater Monitoring Plan Summary Report
- E. Summary of Green Remediation Metrics for Site Management

**Periodic Review Report
Former PO Pierce Company Site
2-33 50th Avenue, Long Island City, NY**

APPENDIX A

IC and EC Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site No.	C241251	Site Details	Box 1
Site Name Former FO Pierce Company			
Site Address: 2-33 50TH AVENUE Zip Code: 11101			
City/Town: Long Island City			
County: Queens			
Site Acreage: 1.745			
Reporting Period: December 30, 2023 to March 30, 2025			
			YES NO
1. Is the information above correct?			☒ ☐
If NO, include handwritten above or on a separate sheet.			
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?			☐ ☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?			☐ ☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?			☐ ☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5. Is the site currently undergoing development?			☒ ☐

			Box 2
			YES NO
6. Is the current site use consistent with the use(s) listed below? Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial			☒ ☐
7. Are all ICs in place and functioning as designed?			☒ ☐

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C241251**Box 3****Description of Institutional Controls**

Parcel	Owner	Institutional Control
17-1	50TH & 5TH LIC LLC	Ground Water Use Restriction Soil Management Plan Building Use Restriction Site Management Plan IC/EC Plan Landuse Restriction
		Monitoring Plan
1. Institutional Control Imposition of an institutional control in the form of an environmental easement for the controlled property which will: - require the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3); - allow the use and development of the controlled property for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws; - restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or NYCDOH; and - require compliance with the Department approved Site Management Plan.		
2. Site Management Plan A Site Management Plan is required, which includes the following: a.) an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective: - Institutional Controls: The Environmental Easement discussed in Paragraph 7 above. - Engineering Controls: The soil cover discussed in Paragraph 6. This plan includes, but may not be limited to: - an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination; - descriptions of the provisions of the environmental easement including any land use, and groundwater use restrictions; - a provision for evaluation of the potential for soil vapor intrusion for any occupied buildings on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion; - a provision that should a building foundation or building slab be removed in the future, a cover system consistent with that described in Paragraph 6 above will be placed in any areas where the upper two feet of exposed surface soil exceed the applicable soil cleanup objectives (SCOs); - provisions for the management and inspection of the identified engineering controls; - maintaining site access controls and Department notification; and - the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls. b.) a Monitoring Plan to assess the performance and effectiveness of the remedy. The plan includes, but may not be limited to: - a schedule of monitoring and frequency of submittals to the Department; - monitoring for vapor intrusion for any buildings on the site, as may be required by the Institutional and Engineering Control Plan discussed above.		
3. Local Institutional Controls If no EE or SMP is needed to achieve soil, groundwater, or soil vapor remedial action objectives, then the following local use restriction will be relied upon to prevent ingestion of groundwater: Article 141 of the NYCDOH code which prohibits potable use of groundwater without prior approval and local institutional controls.		
		Box 4
Description of Engineering Controls		

Cover System
Monitoring Wells

1. Cover System

A site cover will be required to allow for restricted residential use of the site in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is to be used it will be a minimum of two feet of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer. Soil cover material, including any fill material brought to the site, will meet the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d). Substitution of other materials and components may be allowed where such components already exist or are a component of the tangible property to be placed as part of site redevelopment. Such components may include, but are not necessarily limited to: pavement, concrete, paved surface parking areas, sidewalks, building foundations and building slabs.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO



2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO



IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

**IC CERTIFICATIONS
SITE NO. C241251**

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Chris Papamichael at The Domain companies, 120 Broadway, Suite 1340
New York, New York, 10271,
print name print business address

am certifying as 50th and 5th LIC LLC (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Chris Papamichael (Jul 11, 2025 16:05 CDT)

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

07/11/2025
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Charles J. McGuckin at 209 Shafter Street, Islandia, NY 11749,
print name print business address

am certifying as a Professional Engineer for the 50th and 5th LIC LLC
(Owner or Remedial Party)

Charles J. McGuckin
Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification



Stamp
(Required for PE)

July 22, 2025
Date

Appendix A - IC_EC Form (002)

Final Audit Report

2025-07-11

Created:	2025-07-11
By:	Jeimy Galvez (jgalvez@thedomaincos.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAHsqWHr1wbhn4a0lav8QckFIi-P0mgK-b

"Appendix A - IC_EC Form (002)" History

-  Document created by Jeimy Galvez (jgalvez@thedomaincos.com)
2025-07-11 - 5:52:23 PM GMT
-  Document emailed to Chris Papamichael (cpapamichael@thedomaincos.com) for signature
2025-07-11 - 5:54:51 PM GMT
-  Email viewed by Chris Papamichael (cpapamichael@thedomaincos.com)
2025-07-11 - 9:04:31 PM GMT
-  Document e-signed by Chris Papamichael (cpapamichael@thedomaincos.com)
Signature Date: 2025-07-11 - 9:05:07 PM GMT - Time Source: server
-  Agreement completed.
2025-07-11 - 9:05:07 PM GMT

**Periodic Review Report
Former PO Pierce Company Site
2-33 50th Avenue, Long Island City, NY**

APPENDIX B

Annual Site Inspection Form

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY D.P.C.
SITE-WIDE MONITORING, INSPECTION, AND MAINTENANCE FORM

Client: **Vorea**
Location: **2-33 50th Avenue, Long Island City, New York**
BCP Site # **C241251**
Inspector: **Sarah Stern**
Date: **05/25/2025**

Site Observations:

Yes No

- ☒ [] Have any site improvements been made since the last inspection?
[] ☒ Has there been any maintenance activity impacting the institutional and/or engineering controls?
-Include sketches or photos of observations

Inspection of Building Covers and Asphalt/Concrete Caps:

Yes No

- ☒ [] Were all buildings inspected?
[] ☒ Were significant cracks observed?
[] ☒ Was any other damage observed? If yes, refer to Page 3 for additional clarification.
[] ☒ Were any new slab penetrations observed? If yes, include description on Page 3.
-Include sketches or photos of observations

Inspection of Groundwater Usage:

Yes No

- [] ☒ Is groundwater underlying the property being used for any purposes including, but not limited to, drinking water or industrial purposes?

Include additional information and details on Page 3 of this inspection form if the response to any of the above questions warrants additional explanation.

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY D.P.C.
SITE-WIDE MONITORING, INSPECTION, AND MAINTENANCE FORM

Client: **Vorea**

Location: **2-33 50th Avenue, Long Island City, New York**

BCP Site # **C241251**

Inspector: **Sarah Stern**

Date: **05/25/2025**

Inspection of Remaining Contaminated Material:

Yes No

- ☐ ☒ Have there been any activities that caused a disturbance of remaining contaminated material since the last inspection?
- ☐ ☒ If yes, were the activities conducted in accordance with the Site Management Plan (SMP)?
-Include sketches or photos of observations

Inspection of Gardens and Farming:

Yes No

- ☐ ☒ Is there any evidence of vegetable gardens and/or farming at the property (aside from raised planters)?
-Include sketches or photos of observations.

Site Records:

Yes No

- ☒ ☐ Are site records up to date (e.g., Site Inspection Checklists)?

Inspection of Property Usage:

Yes No

- ☐ ☒ Is the property being used for any purposed other than restricted residential, commercial, and/or industrial use?

Include additional information and details on Page 3 of this inspection form if the response to any of the above questions warrants additional explanation.

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.
SITE-WIDE MONITORING, INSPECTION, AND MAINTENANCE FORM

Client: Vorea
Location: 2-33 50th Avenue, Long Island City, New York
BCP Site # C241251
Inspector: _____
Date: _____

Site Observations

Monitoring well GW-06 could not be located.

Additional Comments or Clarification Where Corrective Actions May Be Required:

This is the first inspection following the Certificate of Completion for the Site. All Engineering Controls were completed in 2023. Vertical building construction is ongoing.

Periodic Review Report
Former PO Pierce Company Site
2-33 50th Avenue, Long Island City, NY

APPENDIX C

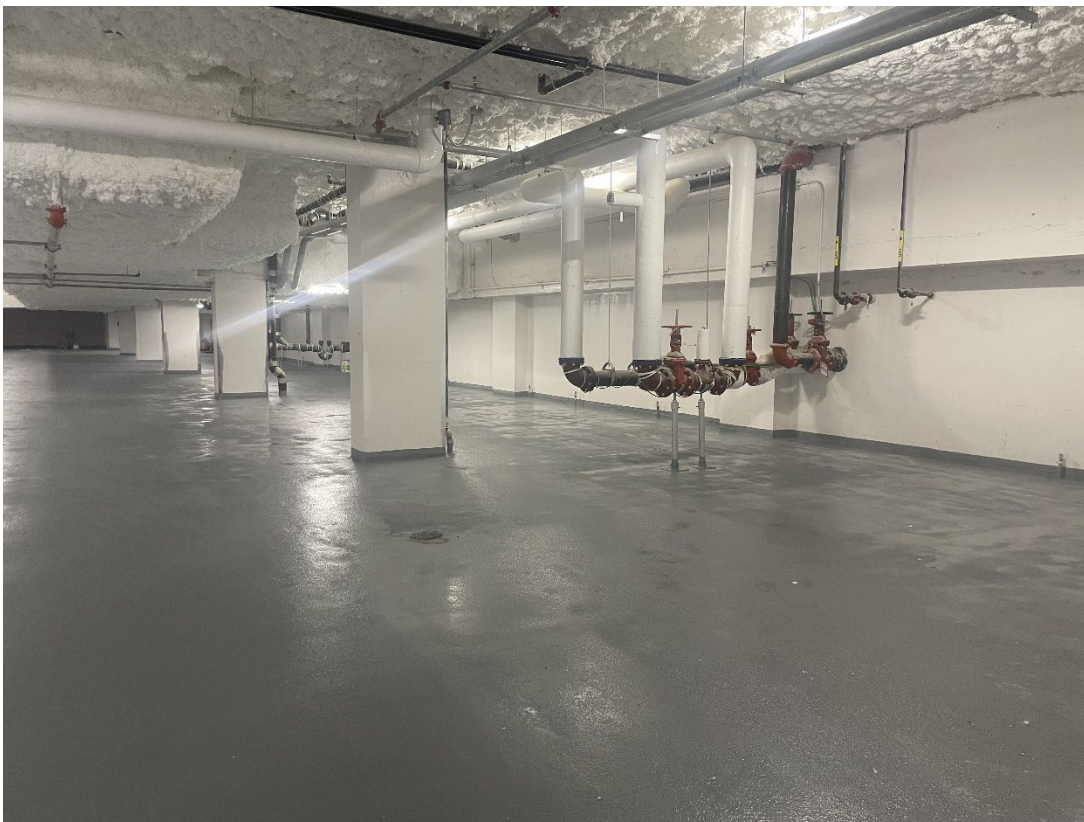
Annual Inspection Photograph Log



Photograph 1: Facing northwest, view of newly constructed Site building.



Photograph 2: Facing south, view of Site monitoring well GW-05.



Photograph 3: Facing east, view of Site Cover System intact above the subgrade Track 1 and Track 4 area comprised of concrete building foundation, NYSDEC approved clean stone, and a demarcation layer.



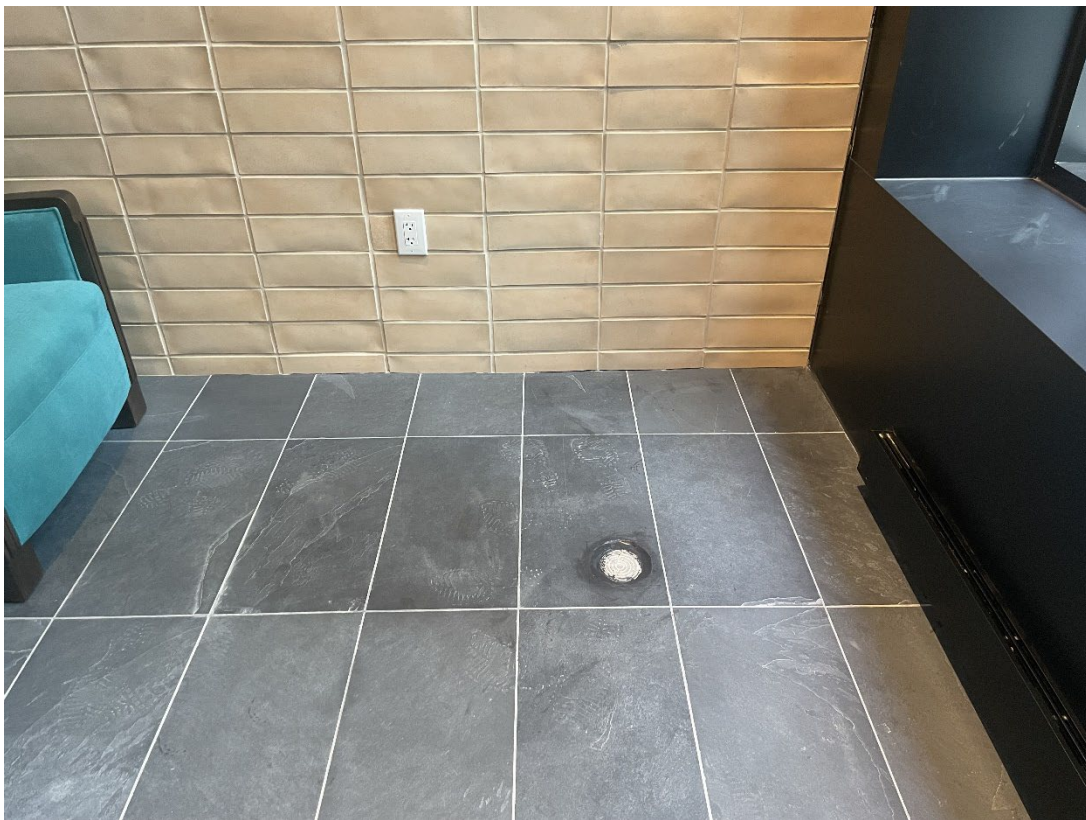
Photograph 4: Facing east, view of Site Cover System intact above the subgrade Track 1 area comprised of concrete building foundation, NYSDEC approved clean stone, and a demarcation layer.



Photograph 5: Facing north, view of Site Cover System intact above the subgrade Track 1 area comprised of concrete building foundation, NYSDEC approved clean stone, and a demarcation layer.



Photograph 6: Facing south, view of basement room with floor drain within the Site Cover System intact above the subgrade Track 1 area comprised of concrete building foundation, NYSDEC approved clean stone, and a demarcation layer.



Photograph 7: View of floor drain installed within Site Cover System intact above the on-grade Track 4 area comprised of concrete building foundation, NYSDEC approved clean stone, and a demarcation layer.



Photograph 8: View of Site Cover System intact above the on-grade Track 4 area comprised of concrete building foundation, NYSDEC approved clean stone, and a demarcation layer.



Photograph 9: Facing northeast, view of exposed building footing above Track 4 area to be waterproofed, insulated, and topped with a concrete slab.



Photograph 10: View of raised planter on the green roof of the building.

APPENDIX D

Groundwater Monitoring Plan Summary Report

September 23, 2024

Mr. Doug MacNeal
Project Manager
Division of Environmental Remediation
New York State Department of Environmental Conservation (DEC)
625 Broadway, Albany, New York 12233-5060

Re: Former FO Pierce - BCP Site No. C241251
Groundwater Monitoring Plan Summary Report
2-33 50th Avenue, Long Island City, New York

Dear Mr. MacNeal:

Roux Environmental Engineering and Geology, D.P.C. (Roux) on behalf of The Vorea Group (Client) for the Former FO Pierce Site (BCP Site No. C241251) located at 2-33 50th Avenue, Long Island City, New York (Site) has prepared this Groundwater Monitoring Plan Summary Report (Report) to detail the results of the groundwater sampling events conducted in accordance with the June 19, 2023 *Proposed Groundwater Monitoring Plan* (Monitoring Plan). The Monitoring Plan called for the installation of 7 monitoring wells: four monitoring wells to cover the Track 1 portions of the site, and three monitoring wells to cover the Track 4 portion of the site while maintaining proximity to the areas of concern. The well locations provide coverage of the post remedial groundwater conditions surrounding the Site.

Scope of Work

From July 19 to September 7, 2023, seven monitoring wells were installed throughout the Site by AARCO Environmental Services Inc. under Roux oversight. Monitoring wells were installed using a Geoprobe with hollow stem augers and constructed with two-inch diameter, 0.02-inch slotted Schedule 40 polyvinyl chloride (PVC) screen set to straddle the water table. The monitoring wells were developed following installation to establish good hydraulic connection between the well and surrounding formations.

Groundwater samples were collected during four sampling events from seven monitoring wells (GW-01 through GW-07). The first round of sampling occurred on October 30 and October 31, 2023. Monitoring well GW-03 was not accessible during the first sampling event and was not sampled due to conflicts with construction related activities causing the well to be inaccessible. The second round of sampling occurred during two events. The first occurred on January 29, 2024, and consisted of sampling of all but 1 well (GW-03). The sampling of GW-03 was delayed due to the same conflicts with construction related activities causing the well to be inaccessible during the January 29th sampling event. Once the obstacles were cleared Roux returned to the Site on February 28, 2024, to collect the groundwater sample related to GW-03. The third round of sampling occurred on May 6, 2024, and the fourth round of sampling occurred on July 31, 2024.

Prior to sampling, each well was gauged with an electronic water level meter to determine the depth to water (DTW) and the current depth to bottom (DTB) in each well. Monitoring wells were purged prior to sampling, consistent with USEPA low-flow sampling requirements as referenced by the NYSDEC Guidance. All wells were sampled using a peristaltic pump after purging.

Field parameters (i.e., pH, temperature, dissolved oxygen, oxidation-reduction potential, and turbidity) were collected using a water quality meter with flow-through cell until parameters stabilize. Once these

groundwater parameters stabilized, a groundwater sample was collected from each of the monitoring wells in accordance with NYSDEC Guidance.

Groundwater samples were collected in appropriate laboratory-provided containers and were transported to Alpha Analytical Laboratories in Westborough, Massachusetts, a National Environmental Laboratory Approval Program (NELAP) accredited-laboratory, in ice-filled coolers under chain of custody procedures and analyzed for the following:

- Volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260C;
- Semivolatile organic compounds (SVOCs) using USEPA Method 8270E; and
- Total and dissolved metals using USEPA Method 7470A.

Following sample collection at each well, the sampling equipment was decontaminated and/or disposed of. All purge water was contained on-site using 55-gallon drums and is being coordinated for disposal at an appropriate disposal facility by a NYSDEC certified contractor.

Results

The following section discusses the laboratory results collected during the implementation of the Monitoring Plan. A copy of the laboratory reports is included as Attachment 1, the Data Usability Summary Report for the laboratory data is included as Attachment 2 and the tabulated laboratory results are presented in Table 1. A map of the site, summarizing the results of each sampling event is included with this letter as Figure 1.

VOCs

VOCs were non-detect for each sampling round except for several J values and as discussed below. During the first monitoring well sampling event, one exceedance at GW-06 (acetone) and four exceedances at GW-02 (ethylbenzene, m,p-xylene, o-xylene, and total xylenes) were detected. There were no exceedances at GW-02 and GW-06 during the following sampling events. Benzene was detected at GW-03 at the second, third, and fourth sampling event. GW-03 was not accessible and was not sampled during the first sampling event.

The only remaining VOC exceedance in relation to the NYSDEC AWQS is benzene at GW-03. As of the fourth sampling event, GW-03 reported a low-level exceedance of 7.5ug/L. This well is located approximately 20 feet north of the in-situ treatment performed onsite during completion of the remedy. This treatment consisted of source removal of all observed material, and chemical treatment of the excavation walls and backfill material with chemical oxidizers. Although contaminated material around GW-03 was removed and confirmed with endpoint confirmation samples, the introduction of oxidants to excavation allowed for any remaining residual contamination not initially observed to mobilize and breakdown. This effect can be observed in nearby monitoring wells with slightly elevated target contaminants during sample analysis following treatment. It is expected that the low-level benzene exceedance will drop below the regulatory limit through natural attenuation. VOC exceedances identified during these sampling events are presented in Figure 1.

SVOCs

The first monitoring well sampling event found SVOC exceedances at every monitoring well that was sampled. GW-03 was not sampled during this first monitoring event due to accessibility issues, but a total of 18 SVOC exceedances were detected during this event. Over time, the total number of SVOC exceedances has decreased.

The only remaining SVOC in exceedance of the NYSDEC AWQS is phenol. Phenol was detected in low estimated J value concentrations at GW-02, GW-03, GW-04, GW-05, and GW-06 during the fourth sampling event. The overall lower concentrations of SVOCs and total number of exceedances indicate

that groundwater quality is improving. The SVOC exceedances identified during these sampling events are presented in Figure 1.

Metals

Four metals (iron, magnesium, manganese, and sodium) were found to be in exceedance of their respective NYSDEC AWQS during each sampling event. These metals are representative of saltwater intrusion, and as the Site is located adjacent to the East River, it is Roux's opinion that they are not the result of onsite contamination.

Antimony was found to be in exceedance of the NYSDEC AWQS at GW-02 during the third monitoring event. Antimony was not detected (or no exceedance) in the most recent or prior monitoring events and does appear to be an onsite contaminant of concern. The metal exceedances identified during these sampling events are presented in Figure 1.

Conclusions

The results of the monitoring indicate that the groundwater quality surrounding the Site is generally consistent with background levels. The remaining groundwater exceedances at the Site are in decline and/or were observed in low levels. Recorded end-point samples collected during the remedial action also indicate that past contamination with the potential to influence the groundwater quality in the vicinity of GW-03, has all been removed within the boundaries of the site. It is Roux's opinion that although minor low-level exceedances of NYSDEC AWQS are still detected, they are expected to diminish overtime through natural attenuation and be influenced more by offsite conditions rather than the current onsite conditions. It is Roux's recommendation that no further groundwater monitoring be required at the Site.

If you have any questions or would like to discuss them further, please let us know.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Alex Polcastro, P.E.
Senior Engineer



Charlie McGuckin, P.E.
Vice President / Principal Engineer

Attachments

Groundwater Monitoring Plan Summary Report
2-33 50th Avenue, Long Island City, New York
NYSDEC Site Number: C241251

TABLES

1. Summary of Volatile Organic Compounds in Groundwater
2. Summary of Semivolatile Organic Compounds in Groundwater
3. Summary of Metals in Groundwater

Notes Utilized Throughout Tables	
Groundwater Tables	
J -	Estimated Value
J+ -	Estimated value, high bias
J- -	Estimated value, low bias
R -	Sample results rejected by validator
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
UJ -	Analyte was not detected. The associated reported quantitation limit is an estimate
FD -	Duplicate
µg/L -	Micrograms per liter
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-01	GW-01	GW-01	GW-01	GW-02	GW-02	GW-02	GW-02
Sample Date:			10/30/2023	01/29/2024	05/06/2024	07/31/2024	10/30/2023	01/29/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	1.1 J	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	250 U	250 UJ	250 U	250 U	250 U	250 UJ
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	UG/L	35 J	5 U	5 UJ	5 U	14 J	5 U	5 UJ	5 U
Acrylonitrile	5	UG/L	5 UJ	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.42 J	0.49 J	0.32 J	0.46 J
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-01	GW-01	GW-01	GW-01	GW-02	GW-02	GW-02	GW-02
Sample Date:			10/30/2023	01/29/2024	05/06/2024	07/31/2024	10/30/2023	01/29/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	1.2 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 R	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	7	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	32	0.91 J	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	2.6 J	5 U	5 U	5 U	4.5 J	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	2.2 J	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.95 J	2.5 UJ	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	18	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	0.42 J	0.82 J
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	1.7 J	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-01	GW-01	GW-01	GW-01	GW-02	GW-02	GW-02	GW-02
Sample Date:			10/30/2023	01/29/2024	05/06/2024	07/31/2024	10/30/2023	01/29/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 UJ	2.5 R	2.5 U	2.5 U	2.5 UJ	2.5 R	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	50	0.91 J	2.5 U	2.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-03	GW-03	GW-03	GW-03	GW-04	GW-04	GW-04	GW-04
Sample Date:			02/28/2024	02/28/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	3 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 UJ	2.5 U	5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 U	250 U	500 U	250 UJ	250 UJ	250 U	250 U	250 UJ
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 UJ	5 U	10 U	5 U	5 UJ	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	UG/L	5 U	3.1 J	10 UJ	5 U	5 UJ	5 U	5 UJ	5 U
Acrylonitrile	5	UG/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	2.4	3.4	5.9	7.5	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-03	GW-03	GW-03	GW-03	GW-04	GW-04	GW-04	GW-04
Sample Date:			02/28/2024	02/28/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Bromoform	50	UG/L	2 U	2 U	4 U	2 U	2 UJ	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 UJ	2.5 U	5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	10 UJ	5 U	5 U	5 U	5 UJ	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	5 R	2.5 U	2.5 U	2.5 U	2.5 R	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	10 U	5 U	5 UJ	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 UJ	5 U	10 U	5 U	5 UJ	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.5 UJ	2.5 U	5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 UJ	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-03	GW-03	GW-03	GW-03	GW-04	GW-04	GW-04	GW-04
Sample Date:			02/28/2024	02/28/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	FD	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 R	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	2 UJ	1 U	1 U	1 U	1 UJ	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-05	GW-05	GW-05	GW-05	GW-05	GW-06	GW-06	GW-06
Sample Date:			10/31/2023	01/29/2024	01/29/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024
Normal Sample or Field Duplicate:			N	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 UJ	250 U	250 U	250 U	250 UJ	250 UJ	250 U	500 U
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
2-Hexanone	50	UG/L	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	10 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U
Acetone	50	UG/L	5 UJ	5 U	5 U	5 UJ	5 U	78 J	6.5	10 UJ
Acrylonitrile	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Benzene	1	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.18 J	0.5 U	1 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-05	GW-05	GW-05	GW-05	GW-05	GW-06	GW-06	GW-06
Sample Date:			10/31/2023	01/29/2024	01/29/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024
Normal Sample or Field Duplicate:			N	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Bromoform	50	UG/L	2 UJ	2 U	2 U	2 U	2 U	2 UJ	2 U	4 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	5 UJ
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	10 UJ
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 R	2.5 U	2.5 U	2.5 U	5 R
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	5 UJ
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 UJ	5 U	5 U	5 U	5 U	4.8 J	5 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 U	10 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Naphthalene	10	UG/L	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	1.3 J	2.5 UJ	5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-05	GW-05	GW-05	GW-05	GW-05	GW-06	GW-06	GW-06
Sample Date:			10/31/2023	01/29/2024	01/29/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024
Normal Sample or Field Duplicate:			N	N	FD	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 R	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R	5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	2 UJ
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-06	GW-06	GW-07	GW-07	GW-07	GW-07	GW-07	GW-07
Sample Date:			07/31/2024	07/31/2024	10/30/2023	10/30/2023	01/29/2024	05/06/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	FD	N	FD	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
1,1,1,2-Tetrachloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	250 UJ	250 UJ	250 U	250 U	250 U	250 U	250 U	250 UJ
2,2-Dichloropropane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	UG/L	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	UG/L	5.1	4.9 J	2 J	2.5 J	1.9 J	5 UJ	5 U	2.4 J
Acrylonitrile	5	UG/L	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	0.16 J	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-06	GW-06	GW-07	GW-07	GW-07	GW-07	GW-07	GW-07
Sample Date:			07/31/2024	07/31/2024	10/30/2023	10/30/2023	01/29/2024	05/06/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	FD	N	FD	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Bromoform	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Carbon Disulfide	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Carbon Tetrachloride	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 R	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	UG/L	2.6	2.5	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 1. Summary of Volatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-06	GW-06	GW-07	GW-07	GW-07	GW-07	GW-07	GW-07
Sample Date:			07/31/2024	07/31/2024	10/30/2023	10/30/2023	01/29/2024	05/06/2024	05/06/2024	07/31/2024
Normal Sample or Field Duplicate:			N	FD	N	FD	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units								
Trans-1,2-Dichloroethene	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	UG/L	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 R	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Xylenes	5	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 2. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-01	GW-01	GW-01	GW-01	GW-02	GW-02	GW-02	GW-02	GW-03
Sample Date:			10/30/2023	01/29/2024	05/06/2024	07/31/2024	10/30/2023	01/29/2024	05/06/2024	07/31/2024	02/28/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2,4-Dinitrophenol	10	UG/L	20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.06 J	0.1 U	0.1 U	0.04 J	0.07 J	0.1 U	0.1 U	0.1 U	0.1 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	--	UG/L	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 R
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	0.08 J	0.06 J	0.04 J	0.08 J	0.1 U	0.12	0.1	0.21	0.31
Acenaphthylene	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.02	0.04 J	0.04 J	0.05 J	0.02 J
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	1.3 J	5 U	5 U	5 U	5 U
Anthracene	50	UG/L	0.04 J	0.03 J	0.02 J	0.04 J	0.05 J	0.06 J	0.06 J	0.11	0.03 J
Benzo(A)Anthracene	0.002	UG/L	0.03 J	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(A)Pyrene	0	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(B)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.01	0.1 U	0.1 U	0.1 U	0.1 U

Table 2. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-01	GW-01	GW-01	GW-01	GW-02	GW-02	GW-02	GW-02	GW-03
Sample Date:			10/30/2023	01/29/2024	05/06/2024	07/31/2024	10/30/2023	01/29/2024	05/06/2024	07/31/2024	02/28/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
Benzo(G,H,I)Perylene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(K)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzoic Acid	--	UG/L	7 J	50 U	50 U	50 R	7.8 J	50 U	50 U	8.6 J	50 R
Benzyl Alcohol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 UJ	2 U	2 U	2 R	2 UJ	2 U	2 U	2 R	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	3 U	3 U	3 U	3 U	3 U	2.4 J	3 U	3 U
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	0.002	UG/L	0.1 U	0.01 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.01 J	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	UG/L	0.03 J	0.1 U	0.02 J	0.04 J	0.03 J	0.1 U	0.1 U	0.03 J	0.04 J
Fluorene	50	UG/L	0.06 J	0.04 J	0.02 J	0.06 J	0.06 J	0.19	0.16	0.31	0.09 J
Hexachlorobenzene	0.04	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 UJ	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
M+P MethylPhenol	--	UG/L	5 U	5 U	5 U	5 U	2.1 J	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	0.09 J	0.1 U	0.1 U	0.04 J	0.3	0.12	0.1 U	0.03 J	0.17
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	UG/L	0.07 J	0.04 J	0.1 U	0.04 J	0.07 J	0.02 J	0.1 U	0.1 U	0.02 J
Phenol	1	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.4 J	5 U
Pyrene	50	UG/L	0.04 J	0.03 J	0.04 J	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.03 J

Table 2. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-03	GW-03	GW-03	GW-04	GW-04	GW-04	GW-04	GW-05	GW-05
Sample Date:			02/28/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024
Normal Sample or Field Duplicate:			FD	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.1 U	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.04 J
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	0.31	0.69 J-	3.4	0.04 J	0.1 U	0.1 U	0.1 U	0.03 J	0.02 J
Acenaphthylene	20	UG/L	0.02 J	0.03 J	0.07 J	0.1 U	0.1 U	0.1 U	0.1 U	0.06 J	0.03 J
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	UG/L	0.03 J	0.05 J	0.07 J	0.1 U	0.1 U	0.1 U	0.1 U	0.09 J	0.1 U
Benzo(A)Anthracene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	0.05 J	0.1 U
Benzo(A)Pyrene	0	UG/L	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U
Benzo(B)Fluoranthene	0.002	UG/L	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.02 J

Table 2. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-03	GW-03	GW-03	GW-04	GW-04	GW-04	GW-04	GW-05	GW-05
Sample Date:			02/28/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024
Normal Sample or Field Duplicate:			FD	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
Benzo(G,H,I)Perylene	--	UG/L	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
Benzo(K)Fluoranthene	0.002	UG/L	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
Benzoic Acid	--	UG/L	50 U	50 U	50 R	50 U	6.3 J	50 U	50 R	50 U	50 U
Benzyl Alcohol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 R	2 U	2 U	2 U	2 R	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	0.002	UG/L	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.04 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	0.65 J	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	UG/L	0.04 J	0.04 J	0.16	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.03 J
Fluorene	50	UG/L	0.1	0.1 U	1.1	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.04 J
Hexachlorobenzene	0.04	UG/L	0.8 U	0.8 U	0.03 J	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
M+P MethylPhenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	0.18	0.12 J-	0.17	0.05 J	0.17	0.1 U	0.07 J	0.1 U	0.34
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	UG/L	0.1 U	0.1 U	0.07 J	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U
Phenol	1	UG/L	5 U	5 U	2.6 J	5 U	5 U	5 U	3.3 J	5 U	5 U
Pyrene	50	UG/L	0.03 J	0.03 J	0.09 J	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U

Table 2. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-05	GW-05	GW-05	GW-06	GW-06	GW-06	GW-06	GW-06	GW-07
Sample Date:			01/29/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024	07/31/2024	07/31/2024	10/30/2023
Normal Sample or Field Duplicate:			FD	N	N	N	N	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	UG/L	0.1 U	0.1 U	0.1 U	0.13	0.1 U	0.1 U	0.11	0.11	0.1 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	0.1 U	0.1 U	0.1 U	0.5	0.07 J	0.2	0.73	0.78	0.05 J
Acenaphthylene	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.02 J	0.1 U	0.1 U	0.1 U
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	UG/L	0.1 U	0.02 J	0.1 U	0.21	0.04 J	0.05 J	0.05 J	0.05 J	0.1 U
Benzo(A)Anthracene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.06 J	0.1 U	0.1 U	0.1 U	0.1 U	0.03 J
Benzo(A)Pyrene	0	UG/L	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(B)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.06 J	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J

Table 2. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-05	GW-05	GW-05	GW-06	GW-06	GW-06	GW-06	GW-06	GW-07
Sample Date:			01/29/2024	05/06/2024	07/31/2024	10/31/2023	01/29/2024	05/06/2024	07/31/2024	07/31/2024	10/30/2023
Normal Sample or Field Duplicate:			FD	N	N	N	N	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
Benzo(G,H,I)Perylene	--	UG/L	0.1 U	0.1 U	0.1 U	0.05 J	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J
Benzo(K)Fluoranthene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.05 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzoic Acid	--	UG/L	50 U	50 U	8.1 J	41 J	50 U	50 U	8.4 J	50 R	50 R
Benzyl Alcohol	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 R	2 U	2 U	2 U	2 R	2 R	2 UJ
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chrysene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.06 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.1 U	0.1 U	0.1 U	0.05 J	0.1 U	0.1 U	0.1 U	0.1 U	0.01 J
Dibenzofuran	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Diethyl Phthalate	50	UG/L	5 U	5 U	2.2 J	5 U	5 U	5 U	5 U	5 U	5 U
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	UG/L	0.1 U	0.1 U	0.1 U	0.18	0.04 J	0.04 J	0.11	0.1	0.1 U
Fluorene	50	UG/L	0.02 J	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U	0.08 J	0.09 J	0.02 J
Hexachlorobenzene	0.04	UG/L	0.8 U	0.02 J	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	0.1 U	0.1 U	0.1 U	0.06 J	0.1 U	0.1 U	0.1 U	0.1 U	0.01 J
M+P MethylPhenol	--	UG/L	5 U	5 U	5 U	10	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	UG/L	0.14	0.1 U	0.1 U	1.6	0.09 J	0.43	2	1.9	0.09 J
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	UG/L	0.1 U	0.1 U	0.1 U	0.31	0.12	0.06 J	0.13	0.13	0.1 U
Phenol	1	UG/L	5 U	5 U	1.1 J	36	1.9 J	1.8 J	2.5 J	1.9 J	5 U
Pyrene	50	UG/L	0.03 J	0.1 U	0.1 U	0.16	0.04 J	0.03 J	0.09 J	0.09 J	0.1 U

Table 2. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-07	GW-07	GW-07	GW-07	GW-07	GW-07
Sample Date:			10/30/2023	01/29/2024	05/06/2024	05/06/2024	07/31/2024	07/31/2024
Normal Sample or Field Duplicate:			FD	N	N	FD	N	N
							8270E	SW8270E-SIM
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units						
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	NA
1,2,4-Trichlorobenzene	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
1,2-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	NA
1,3-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	NA
1,4-Dichlorobenzene	3	UG/L	2 U	2 U	2 U	2 U	2 U	NA
2,4,5-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	NA
2,4,6-Trichlorophenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dichlorophenol	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dimethylphenol	50	UG/L	5 U	5 U	5 U	5 U	5 U	NA
2,4-Dinitrophenol	10	UG/L	20 U	20 U	20 U	20 U	20 U	NA
2,4-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
2,6-Dinitrotoluene	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
2-Chloronaphthalene	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U
2-Chlorophenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA
2-Methylnaphthalene	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U	2 U	0.1 U
2-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	NA
3,3'-Dichlorobenzidine	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
3-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
4,6-Dinitro-2-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	NA
4-Bromophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA
4-Chloro-3-Methylphenol	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA
4-Chloroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
4-Chlorophenyl Phenyl Ether	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA
4-Nitroaniline	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
4-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	NA
Acenaphthene	20	UG/L	0.05 J	0.1 U	5.6	6.1	13	14
Acenaphthylene	20	UG/L	0.1 U	0.1 U	0.02 J	0.02 J	2 U	0.05 J
Acetophenone	--	UG/L	5 U	5 U	5 U	5 U	5 U	NA
Anthracene	50	UG/L	0.03 J	0.1 U	0.11	0.11	2 U	0.26
Benzo(A)Anthracene	0.002	UG/L	0.03 J	0.1 U	0.03 J	0.03 J	2 U	0.1 U
Benzo(A)Pyrene	0	UG/L	0.1 U	0.1 U	0.1 U	0.02 J	2 U	0.1 U
Benzo(B)Fluoranthene	0.002	UG/L	0.02 J	0.1 U	0.1 U	0.05 J	2 U	0.1 U

Table 2. Summary of Semivolatile Organic Compounds in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-07	GW-07	GW-07	GW-07	GW-07	GW-07
Sample Date:			10/30/2023	01/29/2024	05/06/2024	05/06/2024	07/31/2024	07/31/2024
Normal Sample or Field Duplicate:			FD	N	N	FD	N	N
							8270E	SW8270E-SIM
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units						
Benzo(G,H,I)Perylene	--	UG/L	0.02 J	0.1 U	0.1 U	0.04 J	2 U	0.1 U
Benzo(K)Fluoranthene	0.002	UG/L	0.01 J	0.1 U	0.1 U	0.04 J	2 U	0.1 U
Benzoic Acid	--	UG/L	50 U	50 U	50 U	50 U	50 R	NA
Benzyl Alcohol	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA
Benzyl Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	NA
Biphenyl (Diphenyl)	5	UG/L	2 U	2 U	2 U	2 U	2 U	NA
Bis(2-Chloroethoxy) Methane	5	UG/L	5 U	5 U	5 U	5 U	5 U	NA
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	2 U	2 U	2 U	2 U	2 U	NA
Bis(2-Chloroisopropyl) Ether	5	UG/L	2 U	2 U	2 U	2 U	2 R	NA
Bis(2-Ethylhexyl) Phthalate	5	UG/L	3 U	3 U	3 U	3 U	3 U	NA
Carbazole	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA
Chrysene	0.002	UG/L	0.1 U	0.1 U	0.01 J	0.04 J	2 U	0.1 U
Dibenz(A,H)Anthracene	--	UG/L	0.03 J	0.1 U	0.1 U	0.04 J	2 U	0.1 U
Dibenzofuran	--	UG/L	2 U	2 U	2 U	2 U	2 U	NA
Diethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	NA
Dimethyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	NA
Di-N-Butyl Phthalate	50	UG/L	5 U	5 U	5 U	5 U	5 U	NA
Di-N-Octylphthalate	--	UG/L	5 U	5 U	5 U	5 U	5 U	NA
Fluoranthene	50	UG/L	0.1 U	0.1 U	0.12	0.11	2 U	0.35
Fluorene	50	UG/L	0.02 J	0.1 U	0.1	0.09 J	2 U	0.26
Hexachlorobenzene	0.04	UG/L	0.02 J	0.8 U	0.8 U	0.8 U	2 U	0.8 U
Hexachlorobutadiene	0.5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U
Hexachlorocyclopentadiene	5	UG/L	20 U	20 U	20 U	20 U	20 U	NA
Hexachloroethane	5	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	2 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	0.01 J	0.1 U	0.1 U	0.04 J	2 U	0.1 U
M+P MethylPhenol	--	UG/L	5 U	5 U	5 U	5 U	5 U	NA
Naphthalene	10	UG/L	0.09 J	0.1 U	0.1 U	0.1 U	2 U	0.05 J
Nitrobenzene	0.4	UG/L	2 U	2 U	2 U	2 U	2 U	NA
N-Nitrosodi-N-Propylamine	--	UG/L	5 U	5 U	5 U	5 U	5 U	NA
N-Nitrosodiphenylamine	50	UG/L	2 U	2 U	2 U	2 U	2 U	NA
Pentachlorophenol	1	UG/L	NA	NA	NA	NA	10 U	NA
Phenanthrene	50	UG/L	0.1 U	0.1 U	0.02 J	0.1 U	2 U	0.06 J
Phenol	1	UG/L	5 U	5 U	5 U	5 U	2.8 J	NA
Pyrene	50	UG/L	0.1 U	0.1 U	0.15	0.14	2 U	0.39

Table 3. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-01	GW-01	GW-01	GW-01	GW-01	GW-01	GW-01	GW-01	GW-02	GW-02
Sample Date:			10/30/2023	10/30/2023	01/29/2024	01/29/2024	05/06/2024	05/06/2024	07/31/2024	07/31/2024	10/30/2023	10/30/2023
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	110 J+	93.9	19.7	5.96 J	62.4	3.44 J	30.2	10 U	145 J+	41.6
Antimony	3	UG/L	0.82 J	0.91 J+	4 U	4 U	4 U	4 U	4 U	4 U	4 U	0.85 J+
Arsenic	25	UG/L	5.48	5.32	0.67	0.54	1.38	0.6	1.31	0.84	9.52	20.96
Barium	1000	UG/L	49.87 J+	53 J+	57.14	54.77 J+	59.48	45.48	82.63	62.32	94.01 J+	48.91 J+
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	UG/L	42400	45000 J+	58600	68000 J+	69100	82000	99200	91700	147000	45100 J+
Chromium, Total	50	UG/L	16.56 J+	14.18	0.56 J	1 J+	0.63 J	1 U	0.43 J	1 U	2.27 J+	1.08
Cobalt	--	UG/L	0.9	0.94	0.84	0.85	0.44 J	0.41 J	0.25 J	0.25 J	0.78	0.33 J
Copper	200	UG/L	6.32	5.34	1 U	1 U	1 U	1 U	1 U	1 U	2.09	0.49 J
Iron	300	UG/L	871	772	1540	270	6440	25.2 J	7160	352	5140	444
Lead	25	UG/L	1 U	1.19	1 U	1 U	1 U	1 U	1 U	1 U	2.24	1 U
Magnesium	35000	UG/L	13800	14700	25200	26200	28600	31500	32200	31400	36100	14600
Manganese	300	UG/L	421.7	456.2	1227	1260	1510 J+	1460	2018 J+	1872	3277	764.5
Mercury	0.7	UG/L	0.09 J-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.13 J-	0.13 J
Nickel	100	UG/L	2.53	2.71	1.92 J	2.15	1.16 J	1.09 J	0.82 J	0.86 J	1.64 J	2.34
Potassium	--	UG/L	71800	77700	19100	20500	19400	21900	23900	24500	90700	108000
Selenium	10	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	50	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	20000	UG/L	178000	196000	190000	210000	254000 J+	273000 J+	248000 J+	249000 J+	211000	219000
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	--	UG/L	17.92	17.77	5 U	5 U	5 U	5 U	5 U	5 U	10.38	21.96
Zinc	2000	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.17 J	10 U

Table 3. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-02	GW-02	GW-02	GW-02	GW-02	GW-02	GW-03	GW-03	GW-03	GW-03
Sample Date:			01/29/2024	01/29/2024	05/06/2024	05/06/2024	07/31/2024	07/31/2024	02/28/2024	02/28/2024	02/28/2024	02/28/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	FD	FD
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	5.87 J	5.83 J	94.8	6.82 J	10.8	10 U	140	10 U	147	3.51 J
Antimony	3	UG/L	0.9 J	4 U	1 J	3.64 J	4 U	4 U	4 U	0.85 J	4 U	4 U
Arsenic	25	UG/L	3.81	2.88	3.23	2.04	3.88	2.9	9.72	10.35	11.35	8.86
Barium	1000	UG/L	114.5	68.04 J+	147.5	99.14	167.4	121.8	84.06 J+	72.61 J+	98.2	65.38
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	UG/L	147000	174000 J+	176000	198000	198000	197000	111000 J+	127000	120000	113000
Chromium, Total	50	UG/L	0.61 J	0.98 J	0.87 J	1 U	0.77 J	0.22 J	2.66	1.01	2.4	0.98 J
Cobalt	--	UG/L	0.19 J	0.18 J	0.24 J	0.18 J	0.18 J	0.5 U	0.49 J	0.45 J	0.47 J	0.4 J
Copper	200	UG/L	1 U	1 U	0.46 J	1 U	0.48 J	1 U	0.77 J	1 U	0.75 J	0.51 J
Iron	300	UG/L	7700	1660	7960	355	8020	179	955	60 J+	1140	45.4 J
Lead	25	UG/L	1 U	1 U	0.41 J	1 U	1 U	1 U	0.44 J	0.51 J+	0.34 J	0.91 J
Magnesium	35000	UG/L	40000	44500	50800	52900	47800	48900	18400	21500	20400	19300
Manganese	300	UG/L	4587	5592	5348 J+	5080	4711 J+	4590	428.6	465.8 J+	526.3	408.7
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 J+	0.2 U	0.09 J
Nickel	100	UG/L	2 U	2 U	0.75 J	0.73 J	2 U	2 U	1.5 J	1.31 J	1.71 J	1.23 J
Potassium	--	UG/L	32400	35200	41400	43000	47500	48500	66500	67500	64600	62300
Selenium	10	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	50	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	20000	UG/L	220000	253000	278000 J+	279000 J+	249000 J+	250000 J+	194000	249000	230000	217000
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.37 J	1 U	1 U
Vanadium	--	UG/L	5 U	5 U	2.3 J	5 U	1.79 J	5 U	2.84 J	2.61 J	3.01 J	2.35 J
Zinc	2000	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 3. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-03	GW-03	GW-03	GW-03	GW-04	GW-04	GW-04	GW-04	GW-04	GW-04
Sample Date:			05/06/2024	05/06/2024	07/31/2024	07/31/2024	10/31/2023	10/31/2023	01/29/2024	01/29/2024	05/06/2024	05/06/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	267	10 U	183	3.33 J	3180	22.3	385	11.3 J+	274	7.16 J
Antimony	3	UG/L	4 U	4 U	4 U	4 U	0.63 J	0.59 J	4 U	0.6 J	4 U	0.54 J
Arsenic	25	UG/L	6.57	3.28	4.59	4.3	8.12	5.65	1.86	1.4	1.8	1.58
Barium	1000	UG/L	236.9	195.2	52.68	36.48	81.66	51.13	29.41	21.89 J+	112.9	118.1
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.06 J	0.2 U	0.2 U	0.2 U	0.06 J	0.2 U
Calcium	--	UG/L	541000	666000	90600	92600	63200	56600	30200 J	33300 J+	65900	77100
Chromium, Total	50	UG/L	5.42 J+	2.42	3.57 J+	0.9 J	7.67	0.35 J	1.17	0.69 J	0.84 J	1 U
Cobalt	--	UG/L	0.58	0.49 J	0.27 J	0.2 J	2.97	0.95	0.42 J	0.27 J	1.03	0.86
Copper	200	UG/L	1.31	0.43 J	1.3	1 U	5.89	1.08	1.82	1.29	1.8	1.42 J+
Iron	300	UG/L	5500	812	2940	340	7110	257	1260	66.5 J	1060	30.4 J
Lead	25	UG/L	0.64 J	1 U	0.52 J	1 U	9.48	1 U	1.34	1 U	1.15	1 U
Magnesium	35000	UG/L	45100	46400	15400	15800	15300	14300	10500	11000	16500	16100
Manganese	300	UG/L	1482 J+	1410	513.6 J+	501.6	850	760.2	145.4	170.9	887.8 J+	656.9
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.09 J+	0.2 U	0.2 U	0.13 J-	0.2 U	0.2 U
Nickel	100	UG/L	1.81 J	1.55 J	0.84 J	0.75 J	6.43	1.68 J	1.37 J	0.85 J	2.16	1.75 J
Potassium	--	UG/L	77500	77500	25800	27000	18400	17300	11000	11400	39000	45500
Selenium	10	UG/L	5 U	5 U	5 U	5 U	2.97 J	5 U	2.19 J	2.32 J	5 U	5 U
Silver	50	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	20000	UG/L	262000 J+	238000 J+	74300 J+	79400 J+	79600	82600	56000	65500	89900 J+	87000 J+
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U	0.48 J+	0.27 J	1 U	0.25 J	1 U	1 U
Vanadium	--	UG/L	5 U	5 U	1.59 J	5 U	7.6	2.06 J	2.24 J	5 U	5 U	5 U
Zinc	2000	UG/L	10 U	10 U	10 U	10 U	14.44	10 U	10 U	10 U	10 U	10 U

Table 3. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-04	GW-04	GW-05	GW-05	GW-05	GW-05	GW-05	GW-05	GW-05	GW-05
Sample Date:			07/31/2024	07/31/2024	10/31/2023	10/31/2023	01/29/2024	01/29/2024	01/29/2024	01/29/2024	05/06/2024	05/06/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	FD	FD	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	116	3.38 J	3660	427	1170	55.5 J+	850	42.4	1050	24.2
Antimony	3	UG/L	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	0.7 J
Arsenic	25	UG/L	3.9	1.17	2.06	0.7	1.1	0.44 J	0.82	0.37 J	0.81	0.35 J
Barium	1000	UG/L	101.4	89.46	38.1	26.8	48.71	41.08 J+	47.9	41.58	86.82	78.14
Beryllium	3	UG/L	0.5 U	0.5 U	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.05 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	UG/L	52000	49900	52200	47000	55600	61900 J+	55700	62100	81500	92400
Chromium, Total	50	UG/L	0.92 J	0.23 J	8.01	1.44	11.85	10.7 J+	10.82	10.56	2.42 J+	1 U
Cobalt	--	UG/L	0.75	0.58	3.32	1.14	1.7	0.69	1.58	0.69	1.3	0.37 J
Copper	200	UG/L	0.63 J	0.41 J	12.81	5.73	6.61	3.54	6	3.34	4.74	2.6 J+
Iron	300	UG/L	13200	3530	5070	529	2450	56.7	1510	43.7 J	1550	32.8 J
Lead	25	UG/L	0.72 J	1 U	7.38	1.16	3.29	1 U	2.42	1 U	2.25	1 U
Magnesium	35000	UG/L	12000	12000	5360	4660	4440	4340	4470	4440	8110	8560
Manganese	300	UG/L	350.9 J+	329.1	133.8	10.31	183.5	3.23	143.5	2.36	199.3 J+	19.83
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 J-	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	2.22	1.95 J	6.45	1.54 J	2.96	0.86 J	2.26	0.88 J	2.38	0.79 J
Potassium	--	UG/L	31200	30600	11500	10200	20500	21900	20400	21300	50000	52400
Selenium	10	UG/L	5 U	5 U	2.23 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	50	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	20000	UG/L	62600 J+	62400 J+	64400	63700	63200	72200	64200	73200	76900 J+	74900 J+
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	--	UG/L	5 U	5 U	6.66	5 U	2.5 J	5 U	1.79 J	5 U	1.88 J	5 U
Zinc	2000	UG/L	3.78 J	10 U	11.53	10 U	7.12 J	10 U	5.74 J	10 U	3.76 J	10 U

Table 3. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-05	GW-05	GW-06	GW-06	GW-06	GW-06	GW-06	GW-06	GW-06	GW-06
Sample Date:			07/31/2024	07/31/2024	10/31/2023	10/31/2023	01/29/2024	01/29/2024	05/06/2024	05/06/2024	07/31/2024	07/31/2024
Normal Sample or Field Duplicate:			N	N	N	N	N	N	N	N	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	43.6	10 U	10100	8360	7180	8290 J+	7590	7850	3600	4350
Antimony	3	UG/L	1.3 J	1.18 J	2.56 J	2.56 J	1.05 J	1.15 J	1 J	1.18 J	1.07 J	1.45 J
Arsenic	25	UG/L	0.6	0.39 J	11.36	10.59	4.43	4.8	3.87	3.57	10.22	9.47
Barium	1000	UG/L	101.9	94.63	29.06	29.99	35.89	34.37 J+	32.94	31.37	13.36	12.57
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	UG/L	124000	106000	33400	29800	69700	74600 J+	66900	77900	20900	21700
Chromium, Total	50	UG/L	0.81 J	0.47 J	1.35	0.55 J	10.09	11.52 J+	0.71 J	1 U	0.47 J	1 U
Cobalt	--	UG/L	0.39 J	0.29 J	1.94	1.74	1.79	1.84	0.67	0.74	0.26 J	0.28 J
Copper	200	UG/L	2.46	1.97 J+	28.22	20.56	54.84	56.49	22.15	24.82 J+	7.01	10.02 J+
Iron	300	UG/L	64.5	50 U	420	144	106	48.8 J	161	101	138	67.8
Lead	25	UG/L	1 U	1 U	2.22	0.51 J	1.09	0.75 J	1.13	0.57 J	0.37 J	1 U
Magnesium	35000	UG/L	11000	10200	54.3 J	70 U	70 U	70 U	55 J	70 U	548	358
Manganese	300	UG/L	30.81 J+	8.47	13.09	1 U	2.64	1.18	7.18 J+	1 U	16.91 J+	9.22
Mercury	0.7	UG/L	0.2 U	0.2 U	0.17 J+	0.2 U	0.2 U	0.2 U	0.1 J	0.2 U	0.2 U	0.11 J+
Nickel	100	UG/L	0.69 J	2 U	40.49	38.44	29.4	30.12	14.09	15.75	5.64	7.38
Potassium	--	UG/L	66600	61700	82600	74300	92700	108000	74800	78900	45600	41800
Selenium	10	UG/L	5 U	5 U	2.82 J	2.02 J	3.05 J	3.81 J	5 U	5 U	5 U	1.76 J
Silver	50	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	20000	UG/L	94600 J+	93800 J+	96500	90400	63600	63000	86500 J+	82800 J+	89800 J+	79800 J+
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	--	UG/L	5 U	5 U	76.73	71.46	30.7	37.26	25.33	31.34	26.13	28.72
Zinc	2000	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 3. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-06	GW-06	GW-07	GW-07	GW-07	GW-07	GW-07	GW-07	GW-07	GW-07
Sample Date:			07/31/2024	07/31/2024	10/30/2023	10/30/2023	10/30/2023	10/30/2023	01/29/2024	01/29/2024	05/06/2024	05/06/2024
Normal Sample or Field Duplicate:			FD	FD	N	N	FD	FD	N	N	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units										
Aluminum	--	UG/L	4410	4560	82.5 J+	21.1	83.2	29.9	100	4.22 J	44.7	6.74 J
Antimony	3	UG/L	1.4 J	1.6 J	0.49 J	0.57 J+	0.5 J	0.64 J	4 U	4 U	4 U	1.16 J
Arsenic	25	UG/L	10.03	10.07	0.28 J	0.3 J	0.27 J	0.22 J	0.3 J	0.5 U	2	0.65
Barium	1000	UG/L	13.35	13.22	24.08 J+	25.17 J+	24.24	25.31	47.8	49.63 J+	64.83	59.71
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	UG/L	23300	22700	50200	51600 J+	51800	49900	98200	121000 J+	114000	124000
Chromium, Total	50	UG/L	0.5 J	1 U	0.65 J+	0.23 J	0.67 J	0.34 J	0.81 J	0.93 J	0.64 J	1 U
Cobalt	--	UG/L	0.32 J	0.31 J	0.21 J	0.19 J	0.2 J	0.18 J	0.22 J	0.17 J	0.18 J	0.17 J
Copper	200	UG/L	14.54	13.3	3.61	2.81	3.54	2.9	1.35	0.82 J	1 U	1 U
Iron	300	UG/L	120	69.3	291	85.4	285	108	495	39 J	4850	213
Lead	25	UG/L	0.65 J	0.41 J	1.97	0.53 J	2	0.68 J	1.34	1 U	1 U	1 U
Magnesium	35000	UG/L	510	581	2120	2170	2110	2120	4120	4770	8210	8440
Manganese	300	UG/L	15.78	14.7	27.58	26.53	27.38	25.96	14.65	14.7	461.1 J+	476.5
Mercury	0.7	UG/L	0.2 U	0.12 J	0.09 J-	0.09 J	0.2 U	0.2 U	0.2 U	0.09 J-	0.2 U	0.2 U
Nickel	100	UG/L	8.41	8.79	0.87 J	0.9 J	0.82 J	0.94 J	1.36 J	1.42 J	0.75 J	2 U
Potassium	--	UG/L	39200	43100	12000	13000	12600	12700	11600	13300	13400	13800
Selenium	10	UG/L	5 U	2.24 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	50	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	20000	UG/L	80200	81500	14900	15800	15000	15600	23000	31000	31400 J+	29400 J+
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	--	UG/L	30.11	28.87	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Zinc	2000	UG/L	10 U	10 U	4.81 J	10 U	4.71 J	10 U	3.56 J	10 U	10 U	10 U

Table 3. Summary of Metals in Groundwater, 2-33 50th Avenue, Long Island City, New York

Sample Designation:			GW-07	GW-07	GW-07	GW-07
Sample Date:			05/06/2024	05/06/2024	07/31/2024	07/31/2024
Normal Sample or Field Duplicate:			FD	FD	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water Quality Standards and Guidance	Units				
Aluminum	--	UG/L	78.9	12.3	32.9	10 U
Antimony	3	UG/L	4 U	4 U	4 U	4 U
Arsenic	25	UG/L	2.13	0.8	2.83	1.6
Barium	1000	UG/L	66.44	61.48	76.97	63.73
Beryllium	3	UG/L	0.5 U	0.5 U	0.5 U	0.5 U
Cadmium	5	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	UG/L	111000	125000	130000	125000
Chromium, Total	50	UG/L	0.89 J	1 U	0.72 J	1 U
Cobalt	--	UG/L	0.18 J	0.16 J	0.5 U	0.5 U
Copper	200	UG/L	1 U	1 U	0.4 J	0.43 J
Iron	300	UG/L	5310	462	7080	844
Lead	25	UG/L	0.55 J	1 U	0.67 J	1 U
Magnesium	35000	UG/L	8010	8660	9060	9920
Manganese	300	UG/L	467.1	476.2	883.3 J+	887.6
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	0.64 J	2 U	2 U	2 U
Potassium	--	UG/L	13200	14100	12900	13100
Selenium	10	UG/L	5 U	5 U	5 U	5 U
Silver	50	UG/L	0.4 U	0.19 J	0.4 U	0.4 U
Sodium	20000	UG/L	30100	29700	35300 J+	37800 J+
Thallium	0.5	UG/L	1 U	1 U	1 U	1 U
Vanadium	--	UG/L	5 U	5 U	5 U	5 U
Zinc	2000	UG/L	10 U	10 U	10 U	10 U

Groundwater Monitoring Plan Summary Report
2-33 50th Avenue, Long Island City, New York
NYSDEC Site Number: C241251

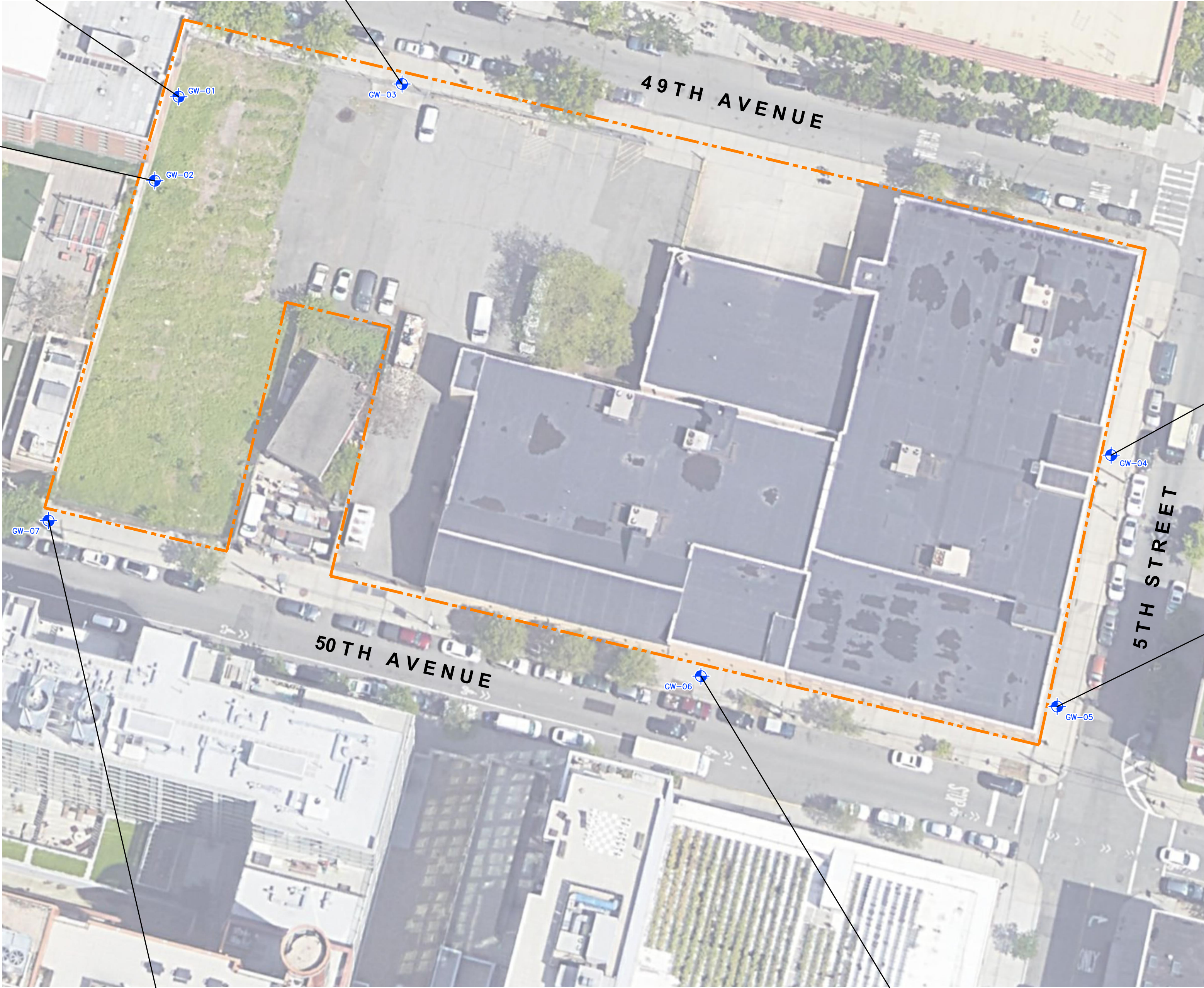
FIGURE

1. Groundwater Monitoring Well Locations and Exceedances

GW-01	10/30/2023	01/29/2024	05/06/2024	07/31/2024
SVOCs				
Benzo(A)Anthracene	0.03 J	0.02 J	ND	ND
Chrysene	ND	0.01 J	ND	ND
Metals, Total				
Iron	871	1540	6440	7160
Manganese	421.7	1227	1510 J+	2018 J+
Sodium	178000	190000	254000 J+	248000 J+
Metals, Dissolved				
Iron	772	NE	NE	352
Manganese	458.2	1260	1460	1972
Sodium	166000	210000	273000 J+	249000 J+

GW-02	10/30/2023	01/29/2024	05/06/2024	07/31/2024
VOCs				
Ethylbenzene	7	ND	ND	ND
m,p-Xylene	32	NE	ND	ND
O-Xylene (1,2-Dimethylbenzene)	18	ND	ND	ND
Xylenes	50	NE	ND	ND
SVOCs				
Benzo(B)Fluoranthene	0.01	ND	ND	ND
Phenol	ND	ND	ND	1.4 J
Metals, Total				
Iron	5140	7700	7960	8020
Magnesium	36100	40000	50800	47800
Manganese	3277	4587	5348 J+	4711 J+
Sodium	211000	220000	278000 J+	249000
Metals, Dissolved				
Antimony	NE	ND	3.64 J	ND
Iron	444	1660	355	NE
Magnesium	NE	44500	52900	48900
Manganese	764.5	5592	5080	4590
Sodium	219000	253000	279000 J+	249000 J+

GW-03	02/28/2024	02/28/2024 DUP	05/06/2024	07/31/2024
VOCs				
Benzene	2.4	3.4	5.9	7.5
SVOCs				
Benzo(A)Pyrene	ND	ND	0.02 J	ND
Benzo(B)Fluoranthene	ND	ND	0.03 J	ND
Benzo(K)Fluoranthene	ND	ND	0.03 J	ND
Chrysene	ND	ND	0.03 J	ND
Indeno(1,2,3-C,D)Pyrene	ND	ND	0.03 J	ND
Phenol	ND	ND	ND	2.6 J
Metals, Total				
Iron	955	1140	5800	2940
Magnesium	NE	NE	45100	NE
Manganese	428.6	526.3	1482 J+	513.6 J+
Sodium	194000	230000	262000 J+	74300 J+
Metals, Dissolved				
Iron	NE	NE	912	340
Magnesium	NE	NE	46400	NE
Manganese	465.8 J+	408.7	1410	501.6
Sodium	249000	217000	238000 J+	79400 J+



GW-04	10/31/2023	01/29/2024	05/06/2024	07/31/2024
SVOCs				
Benzo(A)Anthracene	0.02 J	ND	ND	ND
Phenol	ND	ND	ND	3.3 J
Metals, Total				
Iron	7110	1260	1060	13200
Manganese	550	NE	887.8 J+	359.9 J+
Sodium	79600	56000	89900 J+	62600 J+
Metals, Dissolved				
Iron	NE	NE	NE	3530
Manganese	760.2	NE	656.9	329.1
Sodium	82600	65500	87000 J+	62400 J+

GW-05	10/31/2023	01/29/2024	01/29/2024 DUP	05/06/2024	07/31/2024
SVOCs					
Benzo(A)Anthracene	0.05 J	ND	ND	ND	ND
Benzo(A)Pyrene	0.03 J	ND	ND	ND	ND
Benzo(B)Fluoranthene	0.03 J	0.02 J	ND	ND	ND
Benzo(K)Fluoranthene	0.02 J	ND	ND	ND	ND
Chrysene	0.02 J	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	0.02 J	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	1.1 J
Metals, Total					
Iron	5070	2450	1510	1550	NE
Sodium	64400	63200	64200	76900 J+	94600 J+
Metals, Dissolved					
Iron	529	NE	NE	NE	ND
Sodium	63700	72200	73200	74900 J+	93800 J+

GW-07	10/30/2023	10/30/2023 DUP	01/29/2024	05/06/2024	05/06/2024 DUP	07/31/2024
SVOCs						
Benzo(A)Anthracene	0.03 J	0.03 J	ND	0.03 J	0.03 J	ND
Benzo(A)Pyrene	ND	ND	ND	ND	0.02 J	ND
Benzo(B)Fluoranthene	0.02 J	0.02 J	ND	ND	0.05 J	ND
Benzo(K)Fluoranthene	ND	0.01 J	ND	ND	0.04 J	ND
Chrysene	ND	ND	ND	0.01 J	0.04 J	ND
Indeno(1,2,3-C,D)Pyrene	0.01 J	0.01 J	ND	0.04 J	ND	ND
Phenol	ND	ND	ND	ND	ND	2.8 J
Metals, Total						
Iron	NE	NE	495	4850	5310	7080
Manganese	NE	NE	NE	461.1 J+	467.1	883.3 J+
Sodium	NE	NE	23000	31400 J+	30100	35300 J+
Metals, Dissolved						
Iron	NE	NE	NE	NE	462	844
Manganese	NE	NE	NE	476.5	476.2	887.6
Sodium	NE	NE	31000	29400 J+	29700	37800 J+

GW-06	10/31/2023	01/29/2024	05/06/2024	07/31/2024	07/31/2024 DUP
VOCs					
Acetone	78 J	NE	ND	NE	NE
SVOCs					
Benzo(A)Anthracene	0.06 J	ND	ND	ND	ND
Benzo(A)Pyrene	0.02 J	ND	ND	ND	ND
Benzo(B)Fluoranthene	0.06 J	ND	ND	ND	ND
Benzo(K)Fluoranthene	0.05 J	ND	ND	ND	ND
Chrysene	0.06 J	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	0.06 J	ND	ND	ND	ND
Phenol	36	1.9 J	1.8 J	2.5 J	1.9 J
Metals, Total					
Iron	420	NE	NE	NE	NE
Sodium	96500	63600	86500 J+	89800 J+	80200
Metals, Dissolved					
Iron	90400	63000	82800 J+	79800 J+	81500

LEGEND

— SITE BOUNDARY

GW-01 PROPOSED GROUNDWATER MONITORING WELL

Parameter	NYSDEC AWQSGV	Units
VOCs		
Acetone	50	µg/L
Benzene	1	µg/L
Ethylbenzene	5	µg/L
m,p-Xylene	5	µg/L
O-Xylene (1,2-Dimethylbenzene)	5	µg/L
Xylenes	5	µg/L
SVOCs		
Benzo(A)Anthracene	0.002	µg/L
Benzo(A)Pyrene	0	µg/L
Benzo(B)Fluoranthene	0.002	µg/L
Benzo(K)Fluoranthene	0.002	µg/L
Chrysene	0.002	µg/L
Indeno(1,2,3-C,D)Pyrene	0.002	µg/L
Phenol	1	µg/L
Metals, Total		
Antimony	3	µg/L
Iron	300	µg/L
Magnesium	35000	µg/L
Manganese	300	µg/L
Sodium	20000	µg/L
Metals, Dissolved		
Antimony	3	µg/L
Iron	300	µg/L
Magnesium	35000	µg/L
Manganese	300	µg/L
Sodium	20000	µg/L

CONCENTRATIONS IN µg/L

µg/L – MICROGRAMS PER LITER

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AWQSGVs – AMBIENT WATER-QUALITY STANDARDS AND GUIDANCE VALUES

– – NO NYSDEC AWQSGV AVAILABLE

J – ESTIMATED VALUE

J+ – ESTIMATED VALUE, HIGH BIAS

DUP – DUPLICATE SAMPLE

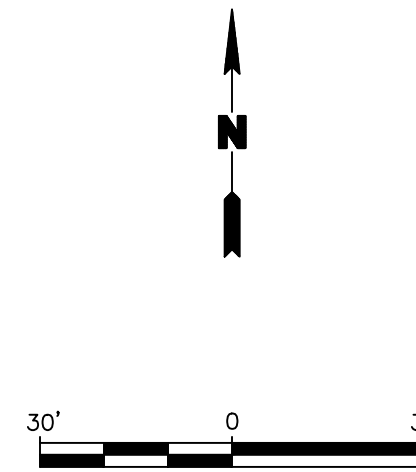
VOCs – VOLATILE ORGANIC COMPOUNDS

SVOCs – SEMIVOLATILE ORGANIC COMPOUNDS

NE – NO EXCEEDANCES

ND – NO DETECTION

DRAFT



Title:

GROUNDWATER MONITORING WELL LOCATIONS AND EXCEEDANCES

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50TH & 5TH LIC LLC

ROUX

Compiled by: J.R.

Date: 06SEPT24

PLATE

Prepared by: G.M.

Scale: AS SHOWN

Project Mgr: W.S.

Project: 2887.0004Y000

File: 2887.0004Y168.01.DWG

1

Groundwater Monitoring Plan Summary Report
2-33 50th Avenue, Long Island City, New York
NYSDEC Site Number: C241251

ATTACHMENTS

1. Laboratory Reports
2. Data Usability Summary Report

Groundwater Monitoring Plan Summary Report
2-33 50th Avenue, Long Island City, New York
NYSDEC Site Number: C241251

ATTACHMENT 1

Laboratory Reports



ANALYTICAL REPORT

Lab Number:	L2364312
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Alexander Policastro
Phone:	(631) 630-2383
Project Name:	VOREA
Project Number:	2887.0004Y000
Report Date:	11/06/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2364312-01	GW-D1	WATER	2-33 50TH AVE, LIC	10/30/23 10:00	10/30/23
L2364312-02	GW-D2	WATER	2-33 50TH AVE, LIC	10/30/23 13:00	10/30/23
L2364312-03	GW-D7	WATER	2-33 50TH AVE, LIC	10/30/23 14:30	10/30/23
L2364312-04	DUP_10302023	WATER	2-33 50TH AVE, LIC	10/30/23 14:35	10/30/23
L2364312-05	FIELD BLANK	FIELD BLANK	2-33 50TH AVE, LIC	10/30/23 14:40	10/30/23
L2364312-06	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE, LIC	10/30/23 00:00	10/30/23

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

The WG1847353-2/-3 LCS/LCSD recoveries, associated with L2364312-01 through -05, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Metals

L2364312-02: The dissolved result is greater than the total result for arsenic. The sample containers were verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.

L2364312-05: The Field Blank has a result for sodium and calcium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

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

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 11/06/23

ORGANICS

VOLATILES

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
Client ID: GW-D1
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/02/23 12:00
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
Client ID: GW-D1
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	35		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.6	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
Client ID: GW-D1
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
Client ID: GW-D2
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/02/23 12:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.42	J	ug/l	0.50	0.16	1
Toluene	1.7	J	ug/l	2.5	0.70	1
Ethylbenzene	7.0		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
Client ID: GW-D2
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	32		ug/l	2.5	0.70	1
o-Xylene	18		ug/l	2.5	0.70	1
Xylenes, Total	50		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	14		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.5	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	2.2	J	ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.95	J	ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
Client ID: GW-D2
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.1	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/02/23 12:48
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/02/23 13:12
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260D
Analytical Date: 11/02/23 13:35
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-06
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 00:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 11/02/23 13:59
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-06
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 00:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-06
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 00:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/02/23 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1847518-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/02/23 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1847518-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/02/23 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1847518-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1847518-3 WG1847518-4								
Methylene chloride	97		100		70-130	3		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	95		100		70-130	5		20
Dibromochloromethane	89		96		63-130	8		20
1,1,2-Trichloroethane	88		95		70-130	8		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	97		100		75-130	3		20
Trichlorofluoromethane	100		92		62-150	8		20
1,2-Dichloroethane	95		100		70-130	5		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		100		67-130	4		20
trans-1,3-Dichloropropene	94		100		70-130	6		20
cis-1,3-Dichloropropene	96		100		70-130	4		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	86		95		54-136	10		20
1,1,2,2-Tetrachloroethane	86		96		67-130	11		20
Benzene	98		100		70-130	2		20
Toluene	99		100		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	97		100		39-139	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1847518-3 WG1847518-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	95		100		70-130	5		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	87		96		63-130	10		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	96		100		70-130	4		20
Dibromomethane	90		98		70-130	9		20
1,2,3-Trichloropropane	84		95		64-130	12		20
Acrylonitrile	80		95		70-130	17		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	100		99		36-147	1		20
Acetone	70		83		58-148	17		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	75		84		63-138	11		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	77		95		59-130	21	Q	20
2-Hexanone	74		90		57-130	20		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1847518-3 WG1847518-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	84		92		70-130	9		20
1,3-Dichloropropane	89		96		70-130	8		20
1,1,1,2-Tetrachloroethane	97		99		64-130	2		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	80		92		41-144	14		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	67	Q	82		70-130	20		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	78		90		70-130	14		20
1,2,4-Trichlorobenzene	84		86		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	80		96		56-162	18		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1847518-3 WG1847518-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	89		92		70-130	3		20
Ethyl ether	92		97		59-134	5		20
trans-1,4-Dichloro-2-butene	80		84		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		106		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	102		101		70-130

SEMIVOLATILES

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
Client ID: GW-D1
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/03/23 06:11
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
Client ID: GW-D1
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	7.0	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	68		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
Client ID: GW-D1
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 15:27
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.08	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.06	J	ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.01	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.06	J	ug/l	0.10	0.02	1
Pentachlorophenol	0.20	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
Client ID: GW-D1
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	87		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
Client ID: GW-D2
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/03/23 06:58
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
Client ID: GW-D2
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	1.3	J	ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	2.1	J	ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	7.8	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	62		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
Client ID: GW-D2
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 15:43
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.30		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.05	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.06	J	ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.07	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
Client ID: GW-D2
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	74		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/03/23 05:47
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	68		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 15:59
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.05	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.01	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.01	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.17	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	76		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/03/23 05:24
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	69		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 16:15
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.05	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.03	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.01	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.17	J	ug/l	0.80	0.01	1
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	75		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E
Analytical Date: 11/03/23 05:00
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	73		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 16:31
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	78		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/02/23 22:21
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1847353-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/02/23 22:21
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1847353-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/02/23 22:21
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1847353-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	79		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 15:11
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1847354-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.02	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.03	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01
Fluorene	0.01	J	ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	0.07	J	ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	0.02	J	ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 15:11
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1847354-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	91		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1847353-2 WG1847353-3								
Acenaphthene	53		47		37-111	12		30
1,2,4-Trichlorobenzene	53		46		39-98	14		30
Hexachlorobenzene	60		52		40-140	14		30
Bis(2-chloroethyl)ether	53		47		40-140	12		30
2-Chloronaphthalene	57		49		40-140	15		30
1,2-Dichlorobenzene	52		47		40-140	10		30
1,3-Dichlorobenzene	51		44		40-140	15		30
1,4-Dichlorobenzene	51		45		36-97	13		30
3,3'-Dichlorobenzidine	58		46		40-140	23		30
2,4-Dinitrotoluene	73		63		48-143	15		30
2,6-Dinitrotoluene	69		59		40-140	16		30
Fluoranthene	61		55		40-140	10		30
4-Chlorophenyl phenyl ether	57		51		40-140	11		30
4-Bromophenyl phenyl ether	62		54		40-140	14		30
Bis(2-chloroisopropyl)ether	45		40		40-140	12		30
Bis(2-chloroethoxy)methane	56		49		40-140	13		30
Hexachlorobutadiene	56		48		40-140	15		30
Hexachlorocyclopentadiene	60		54		40-140	11		30
Hexachloroethane	57		47		40-140	19		30
Isophorone	56		49		40-140	13		30
Naphthalene	56		50		40-140	11		30
Nitrobenzene	58		53		40-140	9		30
NDPA/DPA	57		48		40-140	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1847353-2 WG1847353-3								
n-Nitrosodi-n-propylamine	56		50		29-132	11		30
Bis(2-ethylhexyl)phthalate	81		65		40-140	22		30
Butyl benzyl phthalate	68		59		40-140	14		30
Di-n-butylphthalate	66		54		40-140	20		30
Di-n-octylphthalate	76		63		40-140	19		30
Diethyl phthalate	67		57		40-140	16		30
Dimethyl phthalate	64		54		40-140	17		30
Benzo(a)anthracene	63		53		40-140	17		30
Benzo(a)pyrene	62		62		40-140	0		30
Benzo(b)fluoranthene	61		59		40-140	3		30
Benzo(k)fluoranthene	59		55		40-140	7		30
Chrysene	65		57		40-140	13		30
Acenaphthylene	58		49		45-123	17		30
Anthracene	61		52		40-140	16		30
Benzo(ghi)perylene	61		60		40-140	2		30
Fluorene	59		50		40-140	17		30
Phenanthrene	59		52		40-140	13		30
Dibenzo(a,h)anthracene	60		56		40-140	7		30
Indeno(1,2,3-cd)pyrene	59		57		40-140	3		30
Pyrene	58		52		26-127	11		30
Biphenyl	55		47		40-140	16		30
4-Chloroaniline	60		54		40-140	11		30
2-Nitroaniline	70		62		52-143	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1847353-2 WG1847353-3								
3-Nitroaniline	67		62		25-145	8		30
4-Nitroaniline	64		60		51-143	6		30
Dibenzofuran	57		52		40-140	9		30
2-Methylnaphthalene	56		49		40-140	13		30
1,2,4,5-Tetrachlorobenzene	53		47		2-134	12		30
Acetophenone	54		48		39-129	12		30
2,4,6-Trichlorophenol	66		58		30-130	13		30
p-Chloro-m-cresol	65		54		23-97	18		30
2-Chlorophenol	56		49		27-123	13		30
2,4-Dichlorophenol	61		52		30-130	16		30
2,4-Dimethylphenol	56		48		30-130	15		30
2-Nitrophenol	73		63		30-130	15		30
4-Nitrophenol	65		63		10-80	3		30
2,4-Dinitrophenol	58		54		20-130	7		30
4,6-Dinitro-o-cresol	88		79		20-164	11		30
Pentachlorophenol	64		59		9-103	8		30
Phenol	44		42		12-110	5		30
2-Methylphenol	53		48		30-130	10		30
3-Methylphenol/4-Methylphenol	55		53		30-130	4		30
2,4,5-Trichlorophenol	66		54		30-130	20		30
Benzoic Acid	0	Q	0	Q	10-164	NC		30
Benzyl Alcohol	55		50		26-116	10		30
Carbazole	58		53	Q	55-144	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1847353-2 WG1847353-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		49		21-120
Phenol-d6	44		43		10-120
Nitrobenzene-d5	59		55		23-120
2-Fluorobiphenyl	56		49		15-120
2,4,6-Tribromophenol	75		63		10-120
4-Terphenyl-d14	59		51		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1847354-2 WG1847354-3								
Acenaphthene	55		51		40-140	8		40
2-Chloronaphthalene	57		52		40-140	9		40
Fluoranthene	65		60		40-140	8		40
Hexachlorobutadiene	50		46		40-140	8		40
Naphthalene	55		51		40-140	8		40
Benzo(a)anthracene	68		62		40-140	9		40
Benzo(a)pyrene	72		68		40-140	6		40
Benzo(b)fluoranthene	72		68		40-140	6		40
Benzo(k)fluoranthene	64		60		40-140	6		40
Chrysene	61		56		40-140	9		40
Acenaphthylene	65		59		40-140	10		40
Anthracene	67		62		40-140	8		40
Benzo(ghi)perylene	79		74		40-140	7		40
Fluorene	60		55		40-140	9		40
Phenanthrene	62		57		40-140	8		40
Dibenzo(a,h)anthracene	81		76		40-140	6		40
Indeno(1,2,3-cd)pyrene	79		73		40-140	8		40
Pyrene	64		58		40-140	10		40
2-Methylnaphthalene	57		53		40-140	7		40
Pentachlorophenol	62		58		40-140	7		40
Hexachlorobenzene	62		57		40-140	8		40
Hexachloroethane	49		46		40-140	6		40

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1847354-2 WG1847354-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		53		21-120
Phenol-d6	47		45		10-120
Nitrobenzene-d5	65		61		23-120
2-Fluorobiphenyl	59		55		15-120
2,4,6-Tribromophenol	72		66		10-120
4-Terphenyl-d14	64		60		41-149

METALS

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
 Client ID: GW-D1
 Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
 Date Received: 10/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.110		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Antimony, Total	0.00082	J	mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00548		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Barium, Total	0.04987		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Calcium, Total	42.4		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Chromium, Total	0.01656		mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00090		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Copper, Total	0.00632		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Iron, Total	0.871		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Magnesium, Total	13.8		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Manganese, Total	0.4217		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:29	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00253		mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Potassium, Total	71.8		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Sodium, Total	178.		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.01792		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 13:18	EPA 3005A	1,6020B	MRC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0939		mg/l	0.0100	0.00327	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	0.00091	J	mg/l	0.00400	0.00042	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00532		mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.05300		mg/l	0.00050	0.00017	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-01
Client ID: GW-D1
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 10:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	45.0		mg/l	0.100	0.0394	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.01418		mg/l	0.00100	0.00017	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00094		mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Copper, Dissolved	0.00534		mg/l	0.00100	0.00038	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Iron, Dissolved	0.772		mg/l	0.0500	0.0191	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Lead, Dissolved	0.00119		mg/l	0.00100	0.00034	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	14.7		mg/l	0.0700	0.0242	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	0.4562		mg/l	0.00100	0.00044	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:13	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00271		mg/l	0.00200	0.00055	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	77.7		mg/l	0.100	0.0309	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	196.		mg/l	0.200	0.0293	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	0.01777		mg/l	0.00500	0.00157	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/02/23 21:44	11/05/23 19:43	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
 Client ID: GW-D2
 Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
 Date Received: 10/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.145		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00952		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Barium, Total	0.09401		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Calcium, Total	147.		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Chromium, Total	0.00227		mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00078		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Copper, Total	0.00209		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Iron, Total	5.14		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Lead, Total	0.00224		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Magnesium, Total	36.1		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Manganese, Total	3.277		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Mercury, Total	0.00013	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:33	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00164	J	mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Potassium, Total	90.7		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Sodium, Total	211.		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.01038		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00417	J	mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 13:23	EPA 3005A	1,6020B	MRC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0416		mg/l	0.0100	0.00327	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	0.00085	J	mg/l	0.00400	0.00042	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.02096		mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.04891		mg/l	0.00050	0.00017	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-02
Client ID: GW-D2
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 13:00
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	45.1		mg/l	0.100	0.0394	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00108		mg/l	0.00100	0.00017	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00033	J	mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Copper, Dissolved	0.00049	J	mg/l	0.00100	0.00038	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Iron, Dissolved	0.444		mg/l	0.0500	0.0191	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	14.6		mg/l	0.0700	0.0242	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	0.7645		mg/l	0.00100	0.00044	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	0.00013	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:17	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00234		mg/l	0.00200	0.00055	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	108.		mg/l	0.100	0.0309	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	219.		mg/l	0.200	0.0293	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	0.02196		mg/l	0.00500	0.00157	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/02/23 21:44	11/05/23 19:48	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0825		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Antimony, Total	0.00049	J	mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00028	J	mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Barium, Total	0.02408		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Calcium, Total	50.2		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Chromium, Total	0.00065	J	mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00021	J	mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Copper, Total	0.00361		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Iron, Total	0.291		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Lead, Total	0.00197		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Magnesium, Total	2.12		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Manganese, Total	0.02758		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:36	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00087	J	mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Potassium, Total	12.0		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Sodium, Total	14.9		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00481	J	mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 13:28	EPA 3005A	1,6020B	MRC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0211		mg/l	0.0100	0.00327	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	0.00057	J	mg/l	0.00400	0.00042	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00030	J	mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.02517		mg/l	0.00050	0.00017	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-03
Client ID: GW-D7
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:30
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	51.6		mg/l	0.100	0.0394	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00023	J	mg/l	0.00100	0.00017	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00019	J	mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Copper, Dissolved	0.00281		mg/l	0.00100	0.00038	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Iron, Dissolved	0.0854		mg/l	0.0500	0.0191	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Lead, Dissolved	0.00053	J	mg/l	0.00100	0.00034	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	2.17		mg/l	0.0700	0.0242	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	0.02653		mg/l	0.00100	0.00044	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	0.00009	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:20	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00090	J	mg/l	0.00200	0.00055	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	13.0		mg/l	0.100	0.0309	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	15.8		mg/l	0.200	0.0293	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/02/23 21:44	11/05/23 19:53	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0832		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Antimony, Total	0.00050	J	mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00027	J	mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Barium, Total	0.02424		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Calcium, Total	51.8		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Chromium, Total	0.00067	J	mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00020	J	mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Copper, Total	0.00354		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Iron, Total	0.285		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Lead, Total	0.00200		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Magnesium, Total	2.11		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Manganese, Total	0.02738		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:39	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00082	J	mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Potassium, Total	12.6		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Sodium, Total	15.0		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00471	J	mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 13:32	EPA 3005A	1,6020B	MRC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0299		mg/l	0.0100	0.00327	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	0.00064	J	mg/l	0.00400	0.00042	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	0.00022	J	mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.02531		mg/l	0.00050	0.00017	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-04
Client ID: DUP_10302023
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:35
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	49.9		mg/l	0.100	0.0394	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	0.00034	J	mg/l	0.00100	0.00017	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	0.00018	J	mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Copper, Dissolved	0.00290		mg/l	0.00100	0.00038	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Iron, Dissolved	0.108		mg/l	0.0500	0.0191	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Lead, Dissolved	0.00068	J	mg/l	0.00100	0.00034	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	2.12		mg/l	0.0700	0.0242	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	0.02596		mg/l	0.00100	0.00044	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:23	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00094	J	mg/l	0.00200	0.00055	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	12.7		mg/l	0.100	0.0309	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	15.6		mg/l	0.200	0.0293	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/02/23 21:44	11/05/23 19:57	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
 Client ID: FIELD BLANK
 Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
 Date Received: 10/30/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00827	J	mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Barium, Total	0.00039	J	mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Calcium, Total	0.108		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Chromium, Total	0.00042	J	mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:43	EPA 7470A	1,7470A	MJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Sodium, Total	0.379		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 13:09	EPA 3005A	1,6020B	MRC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Antimony, Dissolved	0.00043	J	mg/l	0.00400	0.00042	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Barium, Dissolved	0.00020	J	mg/l	0.00050	0.00017	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

SAMPLE RESULTS

Lab ID: L2364312-05
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/30/23 14:40
Date Received: 10/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Calcium, Dissolved	0.0652	J	mg/l	0.100	0.0394	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:26	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Sodium, Dissolved	0.331		mg/l	0.200	0.0293	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/02/23 21:44	11/05/23 19:34	EPA 3005A	1,6020B	WKP



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1846957-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Sodium, Dissolved	0.0857	J	mg/l	0.200	0.0293	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/02/23 21:44	11/05/23 17:02	1,6020B	WKP

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1846959-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 10:30	1,7470A	GMG



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1846970-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Thallium, Total	0.00017	J	mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC

Prep Information

Digestion Method: EPA 3005A



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1846973-1										
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 10:56	1,7470A	MJR

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1846957-2								
Aluminum, Dissolved	104		-		80-120	-		
Antimony, Dissolved	87		-		80-120	-		
Arsenic, Dissolved	107		-		80-120	-		
Barium, Dissolved	95		-		80-120	-		
Beryllium, Dissolved	102		-		80-120	-		
Cadmium, Dissolved	100		-		80-120	-		
Calcium, Dissolved	114		-		80-120	-		
Chromium, Dissolved	99		-		80-120	-		
Cobalt, Dissolved	102		-		80-120	-		
Copper, Dissolved	105		-		80-120	-		
Iron, Dissolved	103		-		80-120	-		
Lead, Dissolved	103		-		80-120	-		
Magnesium, Dissolved	103		-		80-120	-		
Manganese, Dissolved	101		-		80-120	-		
Nickel, Dissolved	102		-		80-120	-		
Potassium, Dissolved	109		-		80-120	-		
Selenium, Dissolved	98		-		80-120	-		
Silver, Dissolved	98		-		80-120	-		
Sodium, Dissolved	111		-		80-120	-		
Thallium, Dissolved	106		-		80-120	-		
Vanadium, Dissolved	97		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1846957-2					
Zinc, Dissolved	101	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1846959-2					
Mercury, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1846970-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	97	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	95	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	110	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	105	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	101	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	103	-	80-120	-	
Selenium, Total	99	-	80-120	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	103	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1846970-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1846973-2					
Mercury, Total	105	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1846957-7 WG1846957-8 QC Sample: L2364145-01 Client ID: MS Sample												
Aluminum, Dissolved	0.0280	2	2.10	104		2.15	106		75-125	2		20
Antimony, Dissolved	ND	0.5	0.4912	98		0.4936	99		75-125	0		20
Arsenic, Dissolved	ND	0.12	0.1292	108		0.1295	108		75-125	0		20
Barium, Dissolved	0.5010	2	2.353	93		2.462	98		75-125	5		20
Beryllium, Dissolved	ND	0.05	0.05157	103		0.05174	103		75-125	0		20
Cadmium, Dissolved	0.00015J	0.053	0.05346	101		0.05250	99		75-125	2		20
Calcium, Dissolved	99.5	10	108	85		108	85		75-125	0		20
Chromium, Dissolved	ND	0.2	0.1977	99		0.1984	99		75-125	0		20
Cobalt, Dissolved	0.00563	0.5	0.5136	102		0.5160	102		75-125	0		20
Copper, Dissolved	ND	0.25	0.2638	106		0.2572	103		75-125	3		20
Iron, Dissolved	0.654	1	1.79	114		2.32	167	Q	75-125	26	Q	20
Lead, Dissolved	ND	0.53	0.5314	100		0.5408	102		75-125	2		20
Magnesium, Dissolved	43.4	10	54.8	114		54.9	115		75-125	0		20
Manganese, Dissolved	2.410	0.5	2.983	115		1.883	0	Q	75-125	45	Q	20
Nickel, Dissolved	0.00229	0.5	0.5116	102		0.5062	101		75-125	1		20
Potassium, Dissolved	4.71	10	15.2	105		16.1	114		75-125	6		20
Selenium, Dissolved	0.00228J	0.12	0.128	107		0.128	107		75-125	0		20
Silver, Dissolved	ND	0.05	0.04860	97		0.04856	97		75-125	0		20
Sodium, Dissolved	170.	10	174	40	Q	176	60	Q	75-125	1		20
Thallium, Dissolved	0.00024J	0.12	0.1209	101		0.1231	102		75-125	2		20
Vanadium, Dissolved	ND	0.5	0.4848	97		0.4892	98		75-125	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1846957-7 WG1846957-8 QC Sample: L2364145-01 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.5128	102	0.5100	102	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1846959-3 WG1846959-4 QC Sample: L2364145-01 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00462	92	0.00476	95	75-125	3	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1846970-3 WG1846970-4 QC Sample: L2364605-01 Client ID: MS Sample									
Aluminum, Total	3.18	2	5.40	111	5.15	98	75-125	5	20
Antimony, Total	0.00063J	0.5	0.4573	91	0.4307	86	75-125	6	20
Arsenic, Total	0.00812	0.12	0.1287	100	0.1212	94	75-125	6	20
Barium, Total	0.08166	2	1.900	91	1.840	88	75-125	3	20
Beryllium, Total	0.00030J	0.05	0.05140	103	0.04951	99	75-125	4	20
Cadmium, Total	0.00006J	0.053	0.05359	101	0.05216	98	75-125	3	20
Calcium, Total	63.2	10	73.0	98	67.7	45	Q 75-125	8	20
Chromium, Total	0.00767	0.2	0.2038	98	0.1933	93	75-125	5	20
Cobalt, Total	0.00297	0.5	0.4878	97	0.4534	90	75-125	7	20
Copper, Total	0.00589	0.25	0.2521	98	0.2385	93	75-125	6	20
Iron, Total	7.11	1	8.20	109	7.69	58	Q 75-125	6	20
Lead, Total	0.00948	0.53	0.5352	99	0.5161	96	75-125	4	20
Magnesium, Total	15.3	10	24.7	94	23.5	82	75-125	5	20
Manganese, Total	0.8500	0.5	1.373	105	1.283	87	75-125	7	20
Nickel, Total	0.00643	0.5	0.4858	96	0.4562	90	75-125	6	20
Potassium, Total	18.4	10	28.0	96	26.4	80	75-125	6	20
Selenium, Total	0.00297J	0.12	0.126	105	0.120	100	75-125	5	20
Silver, Total	ND	0.05	0.04803	96	0.04640	93	75-125	3	20
Sodium, Total	79.6	10	87.3	77	81.5	19	Q 75-125	7	20
Thallium, Total	0.00048J	0.12	0.1198	100	0.1169	97	75-125	2	20
Vanadium, Total	0.00760	0.5	0.4922	97	0.4647	91	75-125	6	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1846970-3		WG1846970-4	QC Sample: L2364605-01		Client ID: MS Sample	
Zinc, Total	0.01444	0.5	0.5120	100	0.4820	94	75-125	6	20
Total Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1846973-3		WG1846973-4	QC Sample: L2364605-01		Client ID: MS Sample	
Mercury, Total	0.00009J	0.005	0.00464	93	0.00464	93	75-125	0	20

Project Name: VOREA
Project Number: 2887.0004Y000

**Lab Serial Dilution
 Analysis
 Batch Quality Control**

Lab Number: L2364312
Report Date: 11/06/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1846970-6 QC Sample: L2364605-01 Client ID: DUP Sample						
Aluminum, Total	3.18	3.21	mg/l	1		20
Barium, Total	0.08166	0.07942	mg/l	3		20
Calcium, Total	63.2	64.8	mg/l	3		20
Iron, Total	7.11	7.58	mg/l	7		20
Magnesium, Total	15.3	16.0	mg/l	5		20
Manganese, Total	0.8500	0.8853	mg/l	4		20
Potassium, Total	18.4	19.0	mg/l	3		20
Sodium, Total	79.6	84.0	mg/l	6		20

Project Name: VOREA
Project Number: 2887.0004Y000

Serial_No:11062318:16
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2364312-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-01D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		-
L2364312-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),MG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),AG-6020T(180),CO-6020T(180)
L2364312-01F	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-01G	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA	NA	3.4	Y	Absent		CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NI-6020S(180),BA-6020S(180),TL-6020S(180),NA-6020S(180),PB-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2364312-02A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-02B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-02C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-02D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		-

Project Name: VOREA
Project Number: 2887.0004Y000

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2364312-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2364312-02F	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-02G	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA	NA	3.4	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),NI-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2364312-03A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-03B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-03C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-03D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		-
L2364312-03E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CO-6020T(180)
L2364312-03F	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-03G	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

Project Name: VOREA
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2364312-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA	NA	3.4	Y	Absent		V-6020S(180),CU-6020S(180),SE-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2364312-04A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-04B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-04C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-04D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		-
L2364312-04E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),CD-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2364312-04F	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-04G	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-04X	Plastic 120ml HNO3 preserved Filtrates	A	NA	NA	3.4	Y	Absent		SE-6020S(180),V-6020S(180),K-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),PB-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2364312-05A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-05B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-05C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-05D	Plastic 250ml unpreserved	A	7	7	3.4	Y	Absent		-

Project Name: VOREA
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2364312-05E	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),MG-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2364312-05F	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-05G	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364312-05X	Plastic 120ml HNO3 preserved Filtrates	A	NA	NA	3.4	Y	Absent		V-6020S(180),K-6020S(180),SE-6020S(180),CU-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),NA-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2364312-06A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-06B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2364312-06C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

Project Name: VOREA
Project Number: 2887.0004Y000

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: VOREA
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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 20

Published Date: 6/16/2023 4:52:28 PM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>10/31/23</u>		ALPHA Job # <u>U2364312</u>				
		Project Information Project Name: <u>Vorea</u> Project Location: <u>2-33 50th Ave, LIC</u> Project # <u>2887.00044000</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #						
Client Information Client: <u>Roux</u> Address: <u>209 Shafter St</u> <u>Islandia NY 11749</u> Phone: <u>631-232-2600</u> Fax: Email: <u>Apolicastro@Rouxinc.com</u>		Project Manager: <u>Alex Policastro</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:						
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS EPA 8260D-TCL Vochies NY TCL SVOCs EPA 8270D/8270D-SIM Dissolved TAL Metals- 6020/Hg Total TAL Methods 6020/Hg		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)				
Please specify Metals or TAL.						Sample Specific Comments		Total Bottles				
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials							
		Date	Time									
01	GW-D1	10/30/23	1000	GW	BH	X	X			X	X	
02	GW-D2	↓	1300	↓	↓	X	X			X	X	
03	GW-D7	↓	1430	↓	↓	X	X			X	X	
04	DUP-10302023	↓	1435	↓	↓	X	X			X	X	
05	Field Blank	↓	1440	↓	↓	X	X			X	X	
06	Trip Blank	↓	-	↓	↓	X						
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type <u>V A P P</u> Preservative <u>B A A C</u>		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)				
Relinquished By: <u>Bruce Roux</u>		Date/Time: <u>10/30/23 14:48</u>		Received By: <u>MRN APHA</u>		Date/Time: <u>10/30/23 14:48</u>						
<u>MRN APHA</u>		<u>10/30 18:45</u>		<u>MRN APHA</u>		<u>10/30/23 19:15</u>						
<u>MRN APHA</u>		<u>10/30/23</u>		<u>MRN APHA</u>		<u>10/30 22:00</u>						
<u>MRN APHA</u>		<u>10/31 1:15</u>		<u>MRN APHA</u>		<u>10/31/23 8:15</u>						



ANALYTICAL REPORT

Lab Number:	L2364605
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Alexander Policastro
Phone:	(631) 630-2383
Project Name:	VOREA
Project Number:	2887.0004Y000
Report Date:	11/07/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2364605-01	GW-04	WATER	2-33 50TH AVE, LIC	10/31/23 11:40	10/31/23
L2364605-02	GW-05	WATER	2-33 50TH AVE, LIC	10/31/23 14:05	10/31/23
L2364605-03	GW-06	WATER	2-33 50TH AVE, LIC	10/31/23 15:20	10/31/23
L2364605-04	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE, LIC	10/31/23 00:00	10/31/23

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Case Narrative (continued)

Report Submission

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

Total Metals

The WG1846970-4 MSD recoveries for calcium (45%), iron (58%), and sodium (19%), performed on L2364605-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

Dissolved Metals

The WG1847506-3 MS recoveries for calcium (74%) and sodium (32%), performed on L2364605-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 11/07/23

ORGANICS

VOLATILES

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/03/23 11:47
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
Client ID: GW-05
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/03/23 12:11
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
Client ID: GW-05
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
Client ID: GW-05
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/03/23 12:35
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.18	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	78		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.8	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	1.3	J	ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-04
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 00:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 11/03/23 12:59
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-04
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 00:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-04
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 00:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/03/23 11:00
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1848546-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/03/23 11:00
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1848546-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/03/23 11:00
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1848546-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1848546-3 WG1848546-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	96		110		63-130	14		20
1,1,2-Trichloroethane	91		110		70-130	19		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	120		100		62-150	18		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	98		110		70-130	12		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	88		110		54-136	22	Q	20
1,1,2,2-Tetrachloroethane	87		110		67-130	23	Q	20
Benzene	100		110		70-130	10		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	110		110		64-130	0		20
Bromomethane	97		100		39-139	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1848546-3 WG1848546-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	100		120		70-130	18		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	90		100		63-130	11		20
p/m-Xylene	105		115		70-130	9		20
o-Xylene	110		115		70-130	4		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	94		100		70-130	6		20
1,2,3-Trichloropropane	88		100		64-130	13		20
Acrylonitrile	84		100		70-130	17		20
Styrene	110		115		70-130	4		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	70		89		58-148	24	Q	20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	79		100		63-138	23	Q	20
Vinyl acetate	91		110		70-130	19		20
4-Methyl-2-pentanone	83		110		59-130	28	Q	20
2-Hexanone	80		110		57-130	32	Q	20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1848546-3 WG1848546-4								
Bromochloromethane	110		120		70-130	9		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	90		100		70-130	11		20
1,3-Dichloropropane	92		100		70-130	8		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	100		120		70-130	18		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	110		120		70-130	9		20
tert-Butylbenzene	110		120		70-130	9		20
o-Chlorotoluene	110		120		70-130	9		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	84		110		41-144	27	Q	20
Hexachlorobutadiene	110		120		63-130	9		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		120		70-130	9		20
Naphthalene	69	Q	98		70-130	35	Q	20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	81		100		70-130	21	Q	20
1,2,4-Trichlorobenzene	86		100		70-130	15		20
1,3,5-Trimethylbenzene	110		120		64-130	9		20
1,2,4-Trimethylbenzene	110		120		70-130	9		20
1,4-Dioxane	80		102		56-162	24	Q	20
p-Diethylbenzene	110		120		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1848546-3 WG1848546-4								
p-Ethyltoluene	110		120		70-130	9		20
1,2,4,5-Tetramethylbenzene	91		100		70-130	9		20
Ethyl ether	84		100		59-134	17		20
trans-1,4-Dichloro-2-butene	80		98		70-130	20		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	105		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1848546-6 WG1848546-7 QC Sample: L2364605-01 Client ID: GW-04												
Methylene chloride	ND	10	10	100		10	100		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		12	120		63-132	9		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	9.8	98		9.7	97		63-130	1		20
1,1,2-Trichloroethane	ND	10	9.4	94		9.4	94		70-130	0		20
Tetrachloroethene	ND	10	10	100		10	100		70-130	0		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	11	110		11	110		62-150	0		20
1,2-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
1,1,1-Trichloroethane	ND	10	11	110		12	120		67-130	9		20
Bromodichloromethane	ND	10	10	100		11	110		67-130	10		20
trans-1,3-Dichloropropene	ND	10	9.6	96		9.9	99		70-130	3		20
cis-1,3-Dichloropropene	ND	10	9.5	95		10	100		70-130	5		20
1,1-Dichloropropene	ND	10	10	100		11	110		70-130	10		20
Bromoform	ND	10	9.2	92		9.3	93		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	9.5	95		9.6	96		67-130	1		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	9.9	99		10	100		70-130	1		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	ND	10	7.5	75		9.5	95		39-139	24	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1848546-6 WG1848546-7 QC Sample: L2364605-01 Client ID: GW-04												
Vinyl chloride	ND	10	11	110		12	120		55-140	9		20
Chloroethane	ND	10	12	120		13	130		55-138	8		20
1,1-Dichloroethene	ND	10	10	100		11	110		61-145	10		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	ND	10	10	100		11	110		70-130	10		20
1,2-Dichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
1,3-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
1,4-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	21	105		21	105		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	8.8	88		9.0	90		64-130	2		20
Acrylonitrile	ND	10	9.9	99		10	100		70-130	1		20
Styrene	ND	20	21	105		21	105		70-130	0		20
Dichlorodifluoromethane	ND	10	10	100		11	110		36-147	10		20
Acetone	ND	10	10	100		9.6	96		58-148	4		20
Carbon disulfide	ND	10	10	100		11	110		51-130	10		20
2-Butanone	ND	10	9.1	91		10	100		63-138	9		20
Vinyl acetate	ND	10	13	130		13	130		70-130	0		20
4-Methyl-2-pentanone	ND	10	9.6	96		9.6	96		59-130	0		20
2-Hexanone	ND	10	9.5	95		9.4	94		57-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1848546-6 WG1848546-7 QC Sample: L2364605-01 Client ID: GW-04												
Bromochloromethane	ND	10	11	110		12	120		70-130	9		20
2,2-Dichloropropane	ND	10	9.9	99		10	100		63-133	1		20
1,2-Dibromoethane	ND	10	9.4	94		9.5	95		70-130	1		20
1,3-Dichloropropane	ND	10	9.7	97		9.8	98		70-130	1		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		10	100		64-130	0		20
Bromobenzene	ND	10	9.6	96		9.9	99		70-130	3		20
n-Butylbenzene	ND	10	9.6	96		9.9	99		53-136	3		20
sec-Butylbenzene	ND	10	9.6	96		10	100		70-130	4		20
tert-Butylbenzene	ND	10	9.5	95		10	100		70-130	5		20
o-Chlorotoluene	ND	10	9.7	97		10	100		70-130	3		20
p-Chlorotoluene	ND	10	9.4	94		9.9	99		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	10	9.2	92		10	100		41-144	8		20
Hexachlorobutadiene	ND	10	9.6	96		10	100		63-130	4		20
Isopropylbenzene	ND	10	9.4	94		10	100		70-130	6		20
p-Isopropyltoluene	ND	10	9.6	96		10	100		70-130	4		20
Naphthalene	ND	10	7.8	78		8.6	86		70-130	10		20
n-Propylbenzene	ND	10	9.5	95		10	100		69-130	5		20
1,2,3-Trichlorobenzene	ND	10	8.7	87		9.6	96		70-130	10		20
1,2,4-Trichlorobenzene	ND	10	8.9	89		9.2	92		70-130	3		20
1,3,5-Trimethylbenzene	ND	10	9.8	98		10	100		64-130	2		20
1,2,4-Trimethylbenzene	ND	10	9.7	97		10	100		70-130	3		20
1,4-Dioxane	ND	500	470	94		500	100		56-162	6		20
p-Diethylbenzene	ND	10	9.4	94		10	100		70-130	6		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1848546-6 WG1848546-7 QC Sample: L2364605-01 Client ID: GW-04												
p-Ethyltoluene	ND	10	9.6	96		10	100		70-130	4		20
1,2,4,5-Tetramethylbenzene	ND	10	8.2	82		8.7	87		70-130	6		20
Ethyl ether	ND	10	10	100		9.9	99		59-134	1		20
trans-1,4-Dichloro-2-butene	ND	10	8.0	80		8.1	81		70-130	1		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		117		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	104		106		70-130
Toluene-d8	98		97		70-130

SEMIVOLATILES

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/03/23 01:52
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	62		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 17:19
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatiles Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	72		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
Client ID: GW-05
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/02/23 15:00
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
Client ID: GW-05
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	83		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
Client ID: GW-05
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 18:08
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.05	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	0.06	J	ug/l	0.10	0.01	1
Anthracene	0.09	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	0.12	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
Client ID: GW-05
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	83		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/02/23 15:26
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	36.		ug/l	5.0	0.57	1
2-Methylphenol	0.62	J	ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	10.		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	41.	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	79		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/03/23 18:24
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.50		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.18		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	1.6		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Chrysene	0.06	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.21		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.05	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.31		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.05	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.10	0.01	1
Pyrene	0.16		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.13		ug/l	0.10	0.02	1
Pentachlorophenol	0.12	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	98		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/02/23 08:28
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1847238-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/02/23 08:28
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1847238-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/02/23 08:28
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1847238-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	76		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/02/23 10:24
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1847239-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.02	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	0.02	J	ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.03	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/02/23 10:24
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 01:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1847239-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1847238-2 WG1847238-3								
Acenaphthene	68		69		37-111	1		30
1,2,4-Trichlorobenzene	65		70		39-98	7		30
Hexachlorobenzene	68		73		40-140	7		30
Bis(2-chloroethyl)ether	71		74		40-140	4		30
2-Chloronaphthalene	70		72		40-140	3		30
1,2-Dichlorobenzene	65		70		40-140	7		30
1,3-Dichlorobenzene	65		68		40-140	5		30
1,4-Dichlorobenzene	66		69		36-97	4		30
3,3'-Dichlorobenzidine	70		75		40-140	7		30
2,4-Dinitrotoluene	72		73		48-143	1		30
2,6-Dinitrotoluene	71		71		40-140	0		30
Fluoranthene	74		76		40-140	3		30
4-Chlorophenyl phenyl ether	70		72		40-140	3		30
4-Bromophenyl phenyl ether	68		72		40-140	6		30
Bis(2-chloroisopropyl)ether	68		75		40-140	10		30
Bis(2-chloroethoxy)methane	69		74		40-140	7		30
Hexachlorobutadiene	64		66		40-140	3		30
Hexachlorocyclopentadiene	62		63		40-140	2		30
Hexachloroethane	65		67		40-140	3		30
Isophorone	70		75		40-140	7		30
Naphthalene	68		72		40-140	6		30
Nitrobenzene	69		73		40-140	6		30
NDPA/DPA	73		76		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1847238-2 WG1847238-3								
n-Nitrosodi-n-propylamine	71		76		29-132	7		30
Bis(2-ethylhexyl)phthalate	76		82		40-140	8		30
Butyl benzyl phthalate	75		81		40-140	8		30
Di-n-butylphthalate	71		74		40-140	4		30
Di-n-octylphthalate	73		81		40-140	10		30
Diethyl phthalate	73		76		40-140	4		30
Dimethyl phthalate	72		72		40-140	0		30
Benzo(a)anthracene	76		77		40-140	1		30
Benzo(a)pyrene	80		84		40-140	5		30
Benzo(b)fluoranthene	80		82		40-140	2		30
Benzo(k)fluoranthene	73		77		40-140	5		30
Chrysene	76		79		40-140	4		30
Acenaphthylene	72		74		45-123	3		30
Anthracene	74		76		40-140	3		30
Benzo(ghi)perylene	76		78		40-140	3		30
Fluorene	72		74		40-140	3		30
Phenanthrene	73		74		40-140	1		30
Dibenzo(a,h)anthracene	74		79		40-140	7		30
Indeno(1,2,3-cd)pyrene	75		78		40-140	4		30
Pyrene	74		77		26-127	4		30
Biphenyl	75		78		40-140	4		30
4-Chloroaniline	53		51		40-140	4		30
2-Nitroaniline	72		74		52-143	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1847238-2 WG1847238-3								
3-Nitroaniline	66		67		25-145	2		30
4-Nitroaniline	73		74		51-143	1		30
Dibenzofuran	72		73		40-140	1		30
2-Methylnaphthalene	70		73		40-140	4		30
1,2,4,5-Tetrachlorobenzene	72		73		2-134	1		30
Acetophenone	74		78		39-129	5		30
2,4,6-Trichlorophenol	76		73		30-130	4		30
p-Chloro-m-cresol	79		78		23-97	1		30
2-Chlorophenol	70		78		27-123	11		30
2,4-Dichlorophenol	73		77		30-130	5		30
2,4-Dimethylphenol	72		75		30-130	4		30
2-Nitrophenol	70		74		30-130	6		30
4-Nitrophenol	71		70		10-80	1		30
2,4-Dinitrophenol	70		70		20-130	0		30
4,6-Dinitro-o-cresol	80		77		20-164	4		30
Pentachlorophenol	76		76		9-103	0		30
Phenol	59		65		12-110	10		30
2-Methylphenol	71		78		30-130	9		30
3-Methylphenol/4-Methylphenol	75		80		30-130	6		30
2,4,5-Trichlorophenol	75		78		30-130	4		30
Benzoic Acid	39		50		10-164	25		30
Benzyl Alcohol	66		76		26-116	14		30
Carbazole	78		78		55-144	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1847238-2 WG1847238-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		71		21-120
Phenol-d6	59		63		10-120
Nitrobenzene-d5	70		75		23-120
2-Fluorobiphenyl	70		71		15-120
2,4,6-Tribromophenol	75		74		10-120
4-Terphenyl-d14	70		75		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1847239-2 WG1847239-3								
Acenaphthene	74		78		40-140	5		40
2-Chloronaphthalene	68		71		40-140	4		40
Fluoranthene	79		83		40-140	5		40
Hexachlorobutadiene	61		64		40-140	5		40
Naphthalene	71		74		40-140	4		40
Benzo(a)anthracene	78		82		40-140	5		40
Benzo(a)pyrene	90		95		40-140	5		40
Benzo(b)fluoranthene	84		88		40-140	5		40
Benzo(k)fluoranthene	92		98		40-140	6		40
Chrysene	82		87		40-140	6		40
Acenaphthylene	71		74		40-140	4		40
Anthracene	85		89		40-140	5		40
Benzo(ghi)perylene	86		90		40-140	5		40
Fluorene	75		78		40-140	4		40
Phenanthrene	81		85		40-140	5		40
Dibenzo(a,h)anthracene	90		96		40-140	6		40
Indeno(1,2,3-cd)pyrene	80		85		40-140	6		40
Pyrene	80		84		40-140	5		40
2-Methylnaphthalene	69		72		40-140	4		40
Pentachlorophenol	76		79		40-140	4		40
Hexachlorobenzene	72		76		40-140	5		40
Hexachloroethane	66		69		40-140	4		40

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1847239-2 WG1847239-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		74		21-120
Phenol-d6	63		66		10-120
Nitrobenzene-d5	82		87		23-120
2-Fluorobiphenyl	68		71		15-120
2,4,6-Tribromophenol	73		68		10-120
4-Terphenyl-d14	74		77		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1847238-4 WG1847238-5 QC Sample: L2364605-01 Client ID: GW-04												
1,2,4-Trichlorobenzene	ND	18.2	11	61		11	61		39-98	0		30
Bis(2-chloroethyl)ether	ND	18.2	11	61		11	61		40-140	0		30
1,2-Dichlorobenzene	ND	18.2	10	55		11	61		40-140	10		30
1,3-Dichlorobenzene	ND	18.2	10	55		11	61		40-140	10		30
1,4-Dichlorobenzene	ND	18.2	10	55		11	61		36-97	10		30
3,3'-Dichlorobenzidine	ND	18.2	10	55		9.5	52		40-140	5		30
2,4-Dinitrotoluene	ND	18.2	12	66		12	66		48-143	0		30
2,6-Dinitrotoluene	ND	18.2	12	66		12	66		40-140	0		30
4-Chlorophenyl phenyl ether	ND	18.2	12	66		12	66		40-140	0		30
4-Bromophenyl phenyl ether	ND	18.2	12	66		12	66		40-140	0		30
Bis(2-chloroisopropyl)ether	ND	18.2	11	61		11	61		40-140	0		30
Bis(2-chloroethoxy)methane	ND	18.2	11	61		11	61		40-140	0		30
Hexachlorocyclopentadiene	ND	18.2	9.9J	54		11.J	61		40-140	11		30
Isophorone	ND	18.2	11	61		12	66		40-140	9		30
Nitrobenzene	ND	18.2	11	61		12	66		40-140	9		30
NDPA/DPA	ND	18.2	13	72		13	72		40-140	0		30
n-Nitrosodi-n-propylamine	ND	18.2	11	61		12	66		29-132	9		30
Bis(2-ethylhexyl)phthalate	ND	18.2	13	72		12	66		40-140	8		30
Butyl benzyl phthalate	ND	18.2	13	72		13	72		40-140	0		30
Di-n-butylphthalate	ND	18.2	12	66		12	66		40-140	0		30
Di-n-octylphthalate	ND	18.2	13	72		13	72		40-140	0		30
Diethyl phthalate	ND	18.2	12	66		13	72		40-140	8		30
Dimethyl phthalate	ND	18.2	12	66		12	66		40-140	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1847238-4 WG1847238-5 QC Sample: L2364605-01 Client ID: GW-04												
Biphenyl	ND	18.2	12	66		13	72		40-140	8		30
4-Chloroaniline	ND	18.2	9.3	51		8.7	48		40-140	7		30
2-Nitroaniline	ND	18.2	12	66		13	72		52-143	8		30
3-Nitroaniline	ND	18.2	11	61		12	66		25-145	9		30
4-Nitroaniline	ND	18.2	12	66		13	72		51-143	8		30
Dibenzofuran	ND	18.2	12	66		13	72		40-140	8		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	11	61		13	72		2-134	17		30
Acetophenone	ND	18.2	12	66		12	66		39-129	0		30
2,4,6-Trichlorophenol	ND	18.2	13	72		13	72		30-130	0		30
p-Chloro-m-cresol	ND	18.2	13	72		13	72		23-97	0		30
2-Chlorophenol	ND	18.2	12	66		12	66		27-123	0		30
2,4-Dichlorophenol	ND	18.2	12	66		13	72		30-130	8		30
2,4-Dimethylphenol	ND	18.2	12	66		12	66		30-130	0		30
2-Nitrophenol	ND	18.2	11	61		12	66		30-130	9		30
4-Nitrophenol	ND	18.2	12	66		13	72		10-80	8		30
2,4-Dinitrophenol	ND	18.2	14.J	77		14.J	77		20-130	0		30
4,6-Dinitro-o-cresol	ND	18.2	14	77		15	83		20-164	7		30
Phenol	ND	18.2	10	55		10	55		12-110	0		30
2-Methylphenol	ND	18.2	12	66		12	66		30-130	0		30
3-Methylphenol/4-Methylphenol	ND	18.2	12	66		13	72		30-130	8		30
2,4,5-Trichlorophenol	ND	18.2	13	72		14	77		30-130	7		30
Benzoic Acid	ND	18.2	13.J	72		14.J	77		10-164	7		30
Benzyl Alcohol	ND	18.2	11	61		12	66		26-116	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1847238-4 WG1847238-5 QC Sample: L2364605-01 Client ID: GW-04												
Carbazole	ND	18.2	13	72		14	77		55-144	7		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	75		76		10-120
2-Fluorobiphenyl	60		65		15-120
2-Fluorophenol	59		62		21-120
4-Terphenyl-d14	67		70		41-149
Nitrobenzene-d5	62		67		23-120
Phenol-d6	53		57		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1847239-4 WG1847239-5 QC Sample: L2364605-01 Client ID: GW-04												
Acenaphthene	0.04J	18.2	12	66		13	72		40-140	8		40
2-Chloronaphthalene	ND	18.2	12	66		13	72		40-140	8		40
Fluoranthene	ND	18.2	14	77		14	77		40-140	0		40
Hexachlorobutadiene	ND	18.2	11	61		12	66		40-140	9		40
Naphthalene	0.05J	18.2	12	66		13	72		40-140	8		40
Benzo(a)anthracene	0.02J	18.2	15	83		15	83		40-140	0		40
Benzo(a)pyrene	ND	18.2	16	88		16	88		40-140	0		40
Benzo(b)fluoranthene	ND	18.2	16	88		16	88		40-140	0		40
Benzo(k)fluoranthene	ND	18.2	15	83		14	77		40-140	7		40
Chrysene	ND	18.2	14	77		14	77		40-140	0		40
Acenaphthylene	ND	18.2	14	77		15	83		40-140	7		40
Anthracene	ND	18.2	15	83		15	83		40-140	0		40
Benzo(ghi)perylene	ND	18.2	18	99		18	99		40-140	0		40
Fluorene	ND	18.2	13	72		14	77		40-140	7		40
Phenanthrene	ND	18.2	14	77		14	77		40-140	0		40
Dibenzo(a,h)anthracene	ND	18.2	18	99		18	99		40-140	0		40
Indeno(1,2,3-cd)pyrene	ND	18.2	18	99		18	99		40-140	0		40
Pyrene	ND	18.2	14	77		14	77		40-140	0		40
2-Methylnaphthalene	ND	18.2	12	66		13	72		40-140	8		40
Pentachlorophenol	ND	18.2	15	83		15	83		40-140	0		40
Hexachlorobenzene	ND	18.2	14	77		14	77		40-140	0		40
Hexachloroethane	ND	18.2	11	61		12	66		40-140	9		40

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1847239-4 WG1847239-5 QC Sample: L2364605-01
 Client ID: GW-04

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	90		91		10-120
2-Fluorobiphenyl	70		75		15-120
2-Fluorophenol	66		72		21-120
4-Terphenyl-d14	78		77		41-149
Nitrobenzene-d5	74		81		23-120
Phenol-d6	60		65		10-120

METALS

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3.18		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Antimony, Total	0.00063	J	mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00812		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Barium, Total	0.08166		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Beryllium, Total	0.00030	J	mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Calcium, Total	63.2		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Chromium, Total	0.00767		mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00297		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Copper, Total	0.00589		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Iron, Total	7.11		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Lead, Total	0.00948		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Magnesium, Total	15.3		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Manganese, Total	0.8500		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:03	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00643		mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Potassium, Total	18.4		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Selenium, Total	0.00297	J	mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Sodium, Total	79.6		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Thallium, Total	0.00048	J	mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00760		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Zinc, Total	0.01444		mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 12:26	EPA 3005A	1,6020B	MRC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0223		mg/l	0.0100	0.00327	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.00059	J	mg/l	0.00400	0.00042	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.00565		mg/l	0.00050	0.00016	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.05113		mg/l	0.00050	0.00017	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 11:40
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	56.6		mg/l	0.100	0.0394	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00035	J	mg/l	0.00100	0.00017	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.00095		mg/l	0.00050	0.00016	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Copper, Dissolved	0.00108		mg/l	0.00100	0.00038	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Iron, Dissolved	0.257		mg/l	0.0500	0.0191	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	14.3		mg/l	0.0700	0.0242	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	0.7602		mg/l	0.00100	0.00044	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/06/23 21:32	11/07/23 09:58	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00168	J	mg/l	0.00200	0.00055	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	17.3		mg/l	0.100	0.0309	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	82.6		mg/l	0.100	0.0293	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	0.00027	J	mg/l	0.00100	0.00014	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	0.00206	J	mg/l	0.00500	0.00157	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/06/23 18:46	11/07/23 11:06	EPA 3005A	1,6020B	SMV



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
 Client ID: GW-05
 Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
 Date Received: 10/31/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3.66		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00206		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Barium, Total	0.03810		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Beryllium, Total	0.00017	J	mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Cadmium, Total	0.00005	J	mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Calcium, Total	52.2		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Chromium, Total	0.00801		mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00332		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Copper, Total	0.01281		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Iron, Total	5.07		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Lead, Total	0.00738		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Magnesium, Total	5.36		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Manganese, Total	0.1338		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:46	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00645		mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Potassium, Total	11.5		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Selenium, Total	0.00223	J	mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Sodium, Total	64.4		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00666		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Zinc, Total	0.01153		mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 13:37	EPA 3005A	1,6020B	MRC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.427		mg/l	0.0100	0.00327	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.00070		mg/l	0.00050	0.00016	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.02680		mg/l	0.00050	0.00017	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-02
Client ID: GW-05
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 14:05
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	47.0		mg/l	0.100	0.0394	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00144		mg/l	0.00100	0.00017	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.00114		mg/l	0.00050	0.00016	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Copper, Dissolved	0.00573		mg/l	0.00100	0.00038	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Iron, Dissolved	0.529		mg/l	0.0500	0.0191	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Lead, Dissolved	0.00116		mg/l	0.00100	0.00034	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	4.66		mg/l	0.0700	0.0242	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	0.01031		mg/l	0.00100	0.00044	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/06/23 21:32	11/07/23 10:31	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00154	J	mg/l	0.00200	0.00055	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	10.2		mg/l	0.100	0.0309	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	63.7		mg/l	0.100	0.0293	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/06/23 18:46	11/07/23 12:10	EPA 3005A	1,6020B	SMV



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10.1		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Antimony, Total	0.00256	J	mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.01136		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Barium, Total	0.02906		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Calcium, Total	33.4		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Chromium, Total	0.00135		mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00194		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Copper, Total	0.02822		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Iron, Total	0.420		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Lead, Total	0.00222		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Magnesium, Total	0.0543	J	mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Manganese, Total	0.01309		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Mercury, Total	0.00017	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 11:49	EPA 7470A	1,7470A	MJR
Nickel, Total	0.04049		mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Potassium, Total	82.6		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Selenium, Total	0.00282	J	mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Sodium, Total	96.5		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.07673		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 13:41	EPA 3005A	1,6020B	MRC
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	8.36		mg/l	0.0100	0.00327	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.00256	J	mg/l	0.00400	0.00042	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.01059		mg/l	0.00050	0.00016	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.02999		mg/l	0.00050	0.00017	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

SAMPLE RESULTS

Lab ID: L2364605-03
Client ID: GW-06
Sample Location: 2-33 50TH AVE, LIC

Date Collected: 10/31/23 15:20
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	29.8		mg/l	0.100	0.0394	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00055	J	mg/l	0.00100	0.00017	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.00174		mg/l	0.00050	0.00016	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Copper, Dissolved	0.02056		mg/l	0.00100	0.00038	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Iron, Dissolved	0.144		mg/l	0.0500	0.0191	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Lead, Dissolved	0.00051	J	mg/l	0.00100	0.00034	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/06/23 21:32	11/07/23 10:35	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.03844		mg/l	0.00200	0.00055	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	74.3		mg/l	0.100	0.0309	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	0.00202	J	mg/l	0.00500	0.00173	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	90.4		mg/l	0.100	0.0293	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	0.07146		mg/l	0.00500	0.00157	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/06/23 18:46	11/07/23 12:14	EPA 3005A	1,6020B	SMV



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1846970-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Thallium, Total	0.00017	J	mg/l	0.00100	0.00014	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/02/23 21:27	11/04/23 12:03	1,6020B	MRC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1846973-1										
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	11/02/23 23:02	11/03/23 10:56	1,7470A	MJR



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1847506-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/06/23 18:46	11/07/23 10:33	1,6020B	SMV

Prep Information

Digestion Method: EPA 3005A

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1847507-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/06/23 21:32	11/07/23 09:51	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1846970-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	97		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	95		-		80-120	-		
Beryllium, Total	100		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Calcium, Total	110		-		80-120	-		
Chromium, Total	100		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	102		-		80-120	-		
Iron, Total	105		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	101		-		80-120	-		
Manganese, Total	101		-		80-120	-		
Nickel, Total	100		-		80-120	-		
Potassium, Total	103		-		80-120	-		
Selenium, Total	99		-		80-120	-		
Silver, Total	98		-		80-120	-		
Sodium, Total	103		-		80-120	-		
Thallium, Total	103		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1846970-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1846973-2					
Mercury, Total	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1847506-2					
Aluminum, Dissolved	93	-	80-120	-	
Antimony, Dissolved	92	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	98	-	80-120	-	
Beryllium, Dissolved	99	-	80-120	-	
Cadmium, Dissolved	99	-	80-120	-	
Calcium, Dissolved	108	-	80-120	-	
Chromium, Dissolved	98	-	80-120	-	
Cobalt, Dissolved	97	-	80-120	-	
Copper, Dissolved	97	-	80-120	-	
Iron, Dissolved	103	-	80-120	-	
Lead, Dissolved	96	-	80-120	-	
Magnesium, Dissolved	99	-	80-120	-	
Manganese, Dissolved	99	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Potassium, Dissolved	97	-	80-120	-	
Selenium, Dissolved	95	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	95	-	80-120	-	
Thallium, Dissolved	90	-	80-120	-	
Vanadium, Dissolved	99	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1847506-2					
Zinc, Dissolved	101	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1847507-2					
Mercury, Dissolved	95	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1846970-3		WG1846970-4		QC Sample: L2364605-01		Client ID: GW-04			
Aluminum, Total	3.18	2	5.40	111		5.15	98		75-125	5		20
Antimony, Total	0.00063J	0.5	0.4573	91		0.4307	86		75-125	6		20
Arsenic, Total	0.00812	0.12	0.1287	100		0.1212	94		75-125	6		20
Barium, Total	0.08166	2	1.900	91		1.840	88		75-125	3		20
Beryllium, Total	0.00030J	0.05	0.05140	103		0.04951	99		75-125	4		20
Cadmium, Total	0.00006J	0.053	0.05359	101		0.05216	98		75-125	3		20
Calcium, Total	63.2	10	73.0	98		67.7	45	Q	75-125	8		20
Chromium, Total	0.00767	0.2	0.2038	98		0.1933	93		75-125	5		20
Cobalt, Total	0.00297	0.5	0.4878	97		0.4534	90		75-125	7		20
Copper, Total	0.00589	0.25	0.2521	98		0.2385	93		75-125	6		20
Iron, Total	7.11	1	8.20	109		7.69	58	Q	75-125	6		20
Lead, Total	0.00948	0.53	0.5352	99		0.5161	96		75-125	4		20
Magnesium, Total	15.3	10	24.7	94		23.5	82		75-125	5		20
Manganese, Total	0.8500	0.5	1.373	105		1.283	87		75-125	7		20
Nickel, Total	0.00643	0.5	0.4858	96		0.4562	90		75-125	6		20
Potassium, Total	18.4	10	28.0	96		26.4	80		75-125	6		20
Selenium, Total	0.00297J	0.12	0.126	105		0.120	100		75-125	5		20
Silver, Total	ND	0.05	0.04803	96		0.04640	93		75-125	3		20
Sodium, Total	79.6	10	87.3	77		81.5	19	Q	75-125	7		20
Thallium, Total	0.00048J	0.12	0.1198	100		0.1169	97		75-125	2		20
Vanadium, Total	0.00760	0.5	0.4922	97		0.4647	91		75-125	6		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1846970-3		WG1846970-4	QC Sample: L2364605-01		Client ID: GW-04	
Zinc, Total	0.01444	0.5	0.5120	100	0.4820	94	75-125	6	20
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1846973-3		WG1846973-4	QC Sample: L2364605-01		Client ID: GW-04	
Mercury, Total	0.00009J	0.005	0.00464	93	0.00464	93	75-125	0	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1847506-3 WG1847506-4 QC Sample: L2364605-01 Client ID: GW-04									
Aluminum, Dissolved	0.0223	2	1.82	90	1.86	92	75-125	2	20
Antimony, Dissolved	0.00059J	0.5	0.4851	97	0.4834	97	75-125	0	20
Arsenic, Dissolved	0.00565	0.12	0.1250	99	0.1256	100	75-125	0	20
Barium, Dissolved	0.05113	2	2.020	98	2.030	99	75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05060	101	0.05145	103	75-125	2	20
Cadmium, Dissolved	ND	0.053	0.05262	99	0.05283	100	75-125	0	20
Calcium, Dissolved	56.6	10	64.0	74	Q 64.4	78	75-125	1	20
Chromium, Dissolved	0.00035J	0.2	0.1945	97	0.1988	99	75-125	2	20
Cobalt, Dissolved	0.00095	0.5	0.4963	99	0.5053	101	75-125	2	20
Copper, Dissolved	0.00108	0.25	0.2513	100	0.2544	101	75-125	1	20
Iron, Dissolved	0.257	1	1.23	97	1.28	102	75-125	4	20
Lead, Dissolved	ND	0.53	0.5183	98	0.5237	99	75-125	1	20
Magnesium, Dissolved	14.3	10	23.5	92	24.2	99	75-125	3	20
Manganese, Dissolved	0.7602	0.5	1.231	94	1.254	99	75-125	2	20
Nickel, Dissolved	0.00168J	0.5	0.4853	97	0.4852	97	75-125	0	20
Potassium, Dissolved	17.3	10	25.6	83	25.7	84	75-125	0	20
Selenium, Dissolved	ND	0.12	0.120	100	0.121	101	75-125	1	20
Silver, Dissolved	ND	0.05	0.04891	98	0.04987	100	75-125	2	20
Sodium, Dissolved	82.6	10	85.8	32	Q 90.2	76	75-125	5	20
Thallium, Dissolved	0.00027J	0.12	0.1102	92	0.1113	93	75-125	1	20
Vanadium, Dissolved	0.00206J	0.5	0.4907	98	0.4970	99	75-125	1	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1847506-3 WG1847506-4 QC Sample: L2364605-01 Client ID: GW-04									
Zinc, Dissolved	ND	0.5	0.4825	96	0.4868	97	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1847507-3 WG1847507-4 QC Sample: L2364605-01 Client ID: GW-04									
Mercury, Dissolved	ND	0.005	0.00477	95	0.00486	97	75-125	2	20

Project Name: VOREA
Project Number: 2887.0004Y000

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2364605
Report Date: 11/07/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1846970-6 QC Sample: L2364605-01 Client ID: GW-04						
Aluminum, Total	3.18	3.21	mg/l	1		20
Barium, Total	0.08166	0.07942	mg/l	3		20
Calcium, Total	63.2	64.8	mg/l	3		20
Iron, Total	7.11	7.58	mg/l	7		20
Magnesium, Total	15.3	16.0	mg/l	5		20
Manganese, Total	0.8500	0.8853	mg/l	4		20
Potassium, Total	18.4	19.0	mg/l	3		20
Sodium, Total	79.6	84.0	mg/l	6		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1847506-6 QC Sample: L2364605-01 Client ID: GW-04						
Barium, Dissolved	0.05113	0.04926	mg/l	4		20
Calcium, Dissolved	56.6	53.1	mg/l	6		20
Magnesium, Dissolved	14.3	14.2	mg/l	1		20
Manganese, Dissolved	0.7602	0.7537	mg/l	1		20
Potassium, Dissolved	17.3	16.4	mg/l	5		20
Sodium, Dissolved	82.6	80.3	mg/l	3		20

Project Name: VOREA
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Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2364605-01A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01A1	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01A2	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01B1	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01B2	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01C1	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01C2	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-01D	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L2364605-01D1	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L2364605-01D2	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L2364605-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2364605-01E1	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2364605-01E2	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2364605-01F	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-01F1	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-01F2	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-01G	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-01G1	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-01G2	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-01X1	Plastic 120ml HNO3 preserved Filtrates	A	NA	NA	3.5	Y	Absent		CU-6020S(180),V-6020S(180),SE-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CO-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),TL-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2364605-02A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-02B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-02C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-02D	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L2364605-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2364605-02F	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-02G	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2364605-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA	NA	3.5	Y	Absent		CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),BA-6020S(180),NI-6020S(180),TL-6020S(180),NA-6020S(180),PB-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2364605-03A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-03B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-03C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-03D	Plastic 250ml unpreserved	A	12	12	3.5	Y	Absent		-
L2364605-03E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		SE-6020T(180),BA-6020T(180),TL-6020T(180),FE-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2364605-03F	Amber 250ml unpreserved	A	12	12	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-03G	Amber 250ml unpreserved	A	12	12	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2364605-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA	NA	3.5	Y	Absent		V-6020S(180),CU-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),PB-6020S(180),NA-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2364605-04A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364605-04B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>11/1/23</u>		ALPHA Job # <u>L2364605</u>	
		Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288					
Client Information Client: <u>Roux</u> Address: <u>209 N Shafter St</u> <u>Islandia NY 11749</u> Phone: <u>631-232-2600</u> Fax: <u></u> Email: <u>Apolcastro@mixinc.com</u>		Project Information Project Name: <u>Voron</u> Project Location: <u>2-33 50th Ave, LTC</u> Project # <u>2887.0004V000</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
		Project Manager: <u>Alex Policastro</u> ALPHAQuote #:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
Turn-Around Time: Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		ANALYSIS TCL Volatiles - EPA 8260 D NY TCL Semivolatiles EPA 8270/8270-D SIM Dissolved TAL Metals 6020 Hg Total TAL Metals 6020 Hg		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles			
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		Sample Specific Comments							
Please specify Metals or TAL.									
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
<u>64605-01</u>		<u>GW-04</u>		<u>10/31/23 1140</u>		<u>GW</u>		<u>BH</u>	
<u>02</u>		<u>GW-05</u>		<u>1405</u>		<u>↓</u>		<u>↓</u>	
<u>03</u>		<u>GW-06</u>		<u>1520</u>		<u>↓</u>		<u>↓</u>	
<u>04</u>		<u>Trip Blank</u>		<u>—</u>		<u>↓</u>		<u>↓</u>	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type <u>V A P P</u>		Preservative <u>A A A C</u>	
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: <u>Roux</u> <u>Anthony Green</u>		Date/Time: <u>10/31/23 2100</u> <u>11/1/23 0040</u> <u>11/1/23 0240</u>		Received By: <u>MSMACAN</u> <u>Anthony Green</u> <u>MSMACAN</u>		Date/Time: <u>10/31/23 1524</u> <u>11/1/23 0040</u> <u>11/1/23</u>	
								Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	



ANALYTICAL REPORT

Lab Number:	L2404894
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Brooke Hildebrand
Phone:	(631) 630-2373
Project Name:	VOREA
Project Number:	2887.0004Y
Report Date:	02/05/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2404894-01	GW-07	WATER	LIC, NY 11101	01/29/24 09:05	01/29/24
L2404894-02	GW-05	WATER	LIC, NY 11101	01/29/24 09:35	01/29/24
L2404894-03	GW-02	WATER	LIC, NY 11101	01/29/24 10:25	01/29/24
L2404894-04	GW-04	WATER	LIC, NY 11101	01/29/24 10:55	01/29/24
L2404894-05	GW-01	WATER	LIC, NY 11101	01/29/24 11:25	01/29/24
L2404894-06	GW-06	WATER	LIC, NY 11101	01/29/24 12:45	01/29/24
L2404894-07	DUP_01292024	WATER	LIC, NY 11101	01/29/24 12:00	01/29/24
L2404894-08	FIELD BLANK	FIELD BLANK	LIC, NY 11101	01/29/24 12:30	01/29/24
L2404894-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	LIC, NY 11101	01/29/24 00:00	01/29/24

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Case Narrative (continued)

Report Submission

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

Total Metals

L2404894-08: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG1880098-4 MSD recovery, performed on L2404894-04, is outside the acceptance criteria for calcium (133%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

L2404894-08: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG1879809-4 MS recovery, performed on L2404894-04, is outside the acceptance criteria for iron (138%). A post digestion spike was performed and was within acceptance criteria.

The WG1879809-3/-4 MS/MSD recoveries for sodium (31%/27%), performed on L2404894-04, do not apply because the sample concentration is greater than four times the spike amount added.

The WG1879809-3/-4 MS/MSD RPD for iron (31%), performed on L2404894-04, is above the acceptance criteria.

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

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 02/05/24

ORGANICS

VOLATILES

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
Client ID: GW-07
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/30/24 18:11
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
Client ID: GW-07
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
Client ID: GW-07
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
Client ID: GW-05
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/31/24 15:49
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
Client ID: GW-05
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
Client ID: GW-05
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	109		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
Client ID: GW-02
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/30/24 19:03
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.49	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
Client ID: GW-02
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.91	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.91	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
Client ID: GW-02
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
Client ID: GW-04
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/30/24 19:29
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
Client ID: GW-04
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
Client ID: GW-04
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
Client ID: GW-01
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/30/24 19:55
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.2	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
Client ID: GW-01
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
Client ID: GW-01
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
Client ID: GW-06
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/30/24 20:21
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
Client ID: GW-06
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.5		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
Client ID: GW-06
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
Client ID: DUP_01292024
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/30/24 20:47
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
Client ID: DUP_01292024
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
Client ID: DUP_01292024
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
Client ID: FIELD BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260D
Analytical Date: 01/30/24 13:52
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
Client ID: FIELD BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
Client ID: FIELD BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	111		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-09
Client ID: TRIP BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 00:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 01/30/24 14:16
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-09
Client ID: TRIP BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 00:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-09
Client ID: TRIP BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 00:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	110		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/30/24 08:36
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1879881-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/30/24 08:36
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1879881-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/30/24 08:36
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1879881-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	108		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/30/24 17:45
Analyst: SLS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-07 Batch: WG1879978-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/30/24 17:45
 Analyst: SLS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-07 Batch: WG1879978-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/30/24 17:45
Analyst: SLS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-07 Batch: WG1879978-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/31/24 08:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1880079-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/31/24 08:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1880079-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/31/24 08:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1880079-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1879881-3 WG1879881-4								
Methylene chloride	99		98		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	91		95		70-130	4		20
Dibromochloromethane	76		76		63-130	0		20
1,1,2-Trichloroethane	82		74		70-130	10		20
Tetrachloroethene	100		97		70-130	3		20
Chlorobenzene	96		95		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	91		94		70-130	3		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	85		89		67-130	5		20
trans-1,3-Dichloropropene	78		78		70-130	0		20
cis-1,3-Dichloropropene	90		92		70-130	2		20
1,1-Dichloropropene	99		100		70-130	1		20
Bromoform	72		74		54-136	3		20
1,1,2,2-Tetrachloroethane	81		86		67-130	6		20
Benzene	100		99		70-130	1		20
Toluene	95		92		70-130	3		20
Ethylbenzene	99		98		70-130	1		20
Chloromethane	90		87		64-130	3		20
Bromomethane	80		80		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1879881-3 WG1879881-4								
Vinyl chloride	100		99		55-140	1		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	88		89		70-130	1		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	96		96		70-130	0		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	84		90		63-130	7		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	90		92		70-130	2		20
1,2,3-Trichloropropane	82		87		64-130	6		20
Acrylonitrile	85		89		70-130	5		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	81		79		36-147	3		20
Acetone	80		95		58-148	17		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	74		79		63-138	7		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	72		76		59-130	5		20
2-Hexanone	75		82		57-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1879881-3 WG1879881-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	82		84		70-130	2		20
1,3-Dichloropropane	83		84		70-130	1		20
1,1,1,2-Tetrachloroethane	82		82		64-130	0		20
Bromobenzene	90		96		70-130	6		20
n-Butylbenzene	97		96		53-136	1		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	96		96		70-130	0		20
p-Chlorotoluene	95		95		70-130	0		20
1,2-Dibromo-3-chloropropane	76		78		41-144	3		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	98		98		70-130	0		20
Naphthalene	92		94		70-130	2		20
n-Propylbenzene	99		100		69-130	1		20
1,2,3-Trichlorobenzene	94		97		70-130	3		20
1,2,4-Trichlorobenzene	94		95		70-130	1		20
1,3,5-Trimethylbenzene	89		88		64-130	1		20
1,2,4-Trimethylbenzene	88		88		70-130	0		20
1,4-Dioxane	102		106		56-162	4		20
p-Diethylbenzene	93		91		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1879881-3 WG1879881-4								
p-Ethyltoluene	97		98		70-130	1		20
1,2,4,5-Tetramethylbenzene	91		92		70-130	1		20
Ethyl ether	86		94		59-134	9		20
trans-1,4-Dichloro-2-butene	66	Q	72		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	95		99		70-130
Dibromofluoromethane	102		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1879978-3 WG1879978-4								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		97		70-130	3		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	92		90		63-130	2		20
1,1,2-Trichloroethane	98		98		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		97		75-130	2		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	94		92		70-130	2		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	96		93		67-130	3		20
trans-1,3-Dichloropropene	100		95		70-130	5		20
cis-1,3-Dichloropropene	95		93		70-130	2		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	86		84		54-136	2		20
1,1,2,2-Tetrachloroethane	87		84		67-130	4		20
Benzene	100		99		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	97		95		64-130	2		20
Bromomethane	42		44		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1879978-3 WG1879978-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	95		93		55-138	2		20
1,1-Dichloroethene	95		92		61-145	3		20
trans-1,2-Dichloroethene	96		93		70-130	3		20
Trichloroethene	100		96		70-130	4		20
1,2-Dichlorobenzene	94		93		70-130	1		20
1,3-Dichlorobenzene	96		95		70-130	1		20
1,4-Dichlorobenzene	93		93		70-130	0		20
Methyl tert butyl ether	87		86		63-130	1		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	94		93		70-130	1		20
Dibromomethane	87		84		70-130	4		20
1,2,3-Trichloropropane	88		86		64-130	2		20
Acrylonitrile	96		89		70-130	8		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	74		71		36-147	4		20
Acetone	94		89		58-148	5		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	90		86		63-138	5		20
Vinyl acetate	82		78		70-130	5		20
4-Methyl-2-pentanone	90		88		59-130	2		20
2-Hexanone	80		76		57-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1879978-3 WG1879978-4								
Bromochloromethane	92		90		70-130	2		20
2,2-Dichloropropane	90		86		63-133	5		20
1,2-Dibromoethane	92		90		70-130	2		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	98		96		64-130	2		20
Bromobenzene	98		98		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	79		80		41-144	1		20
Hexachlorobutadiene	99		100		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	72		75		70-130	4		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	81		84		70-130	4		20
1,2,4-Trichlorobenzene	87		89		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	88		90		56-162	2		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1879978-3 WG1879978-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	96		96		70-130	0		20
Ethyl ether	88		86		59-134	2		20
trans-1,4-Dichloro-2-butene	75		72		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		99		70-130
Toluene-d8	109		108		70-130
4-Bromofluorobenzene	109		109		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1880079-3 WG1880079-4								
Methylene chloride	98		94		70-130	4		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	95		92		70-130	3		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	91		95		70-130	4		20
Dibromochloromethane	74		78		63-130	5		20
1,1,2-Trichloroethane	81		77		70-130	5		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	94		93		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	92		93		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	87		93		67-130	7		20
trans-1,3-Dichloropropene	78		81		70-130	4		20
cis-1,3-Dichloropropene	90		92		70-130	2		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	70		75		54-136	7		20
1,1,2,2-Tetrachloroethane	81		90		67-130	11		20
Benzene	99		90		70-130	10		20
Toluene	94		94		70-130	0		20
Ethylbenzene	97		97		70-130	0		20
Chloromethane	81		76		64-130	6		20
Bromomethane	42		42		39-139	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1880079-3 WG1880079-4								
Vinyl chloride	97		91		55-140	6		20
Chloroethane	100		94		55-138	6		20
1,1-Dichloroethene	110		99		61-145	11		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	87		90		70-130	3		20
1,2-Dichlorobenzene	92		93		70-130	1		20
1,3-Dichlorobenzene	94		94		70-130	0		20
1,4-Dichlorobenzene	92		93		70-130	1		20
Methyl tert butyl ether	84		90		63-130	7		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	99		97		70-130	2		20
Dibromomethane	90		91		70-130	1		20
1,2,3-Trichloropropane	81		89		64-130	9		20
Acrylonitrile	86		88		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	73		68		36-147	7		20
Acetone	81		86		58-148	6		20
Carbon disulfide	110		97		51-130	13		20
2-Butanone	73		81		63-138	10		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	70		80		59-130	13		20
2-Hexanone	76		84		57-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1880079-3 WG1880079-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	83		84		70-130	1		20
1,3-Dichloropropane	83		85		70-130	2		20
1,1,1,2-Tetrachloroethane	81		82		64-130	1		20
Bromobenzene	91		95		70-130	4		20
n-Butylbenzene	96		94		53-136	2		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	95		95		70-130	0		20
p-Chlorotoluene	92		94		70-130	2		20
1,2-Dibromo-3-chloropropane	75		82		41-144	9		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	97		96		70-130	1		20
Naphthalene	90		94		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	92		96		70-130	4		20
1,2,4-Trichlorobenzene	92		93		70-130	1		20
1,3,5-Trimethylbenzene	89		88		64-130	1		20
1,2,4-Trimethylbenzene	86		87		70-130	1		20
1,4-Dioxane	96		96		56-162	0		20
p-Diethylbenzene	91		90		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1880079-3 WG1880079-4								
p-Ethyltoluene	98		96		70-130	2		20
1,2,4,5-Tetramethylbenzene	89		89		70-130	0		20
Ethyl ether	89		88		59-134	1		20
trans-1,4-Dichloro-2-butene	64	Q	70		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		102		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		101		70-130
Dibromofluoromethane	106		101		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-07 QC Batch ID: WG1879978-6 WG1879978-7 QC Sample: L2404894-04 Client ID: GW-04												
Methylene chloride	ND	10	9.6	96		9.4	94		70-130	2		20
1,1-Dichloroethane	ND	10	10	100		9.8	98		70-130	2		20
Chloroform	ND	10	10	100		10	100		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	9.7	97		9.5	95		70-130	2		20
Dibromochloromethane	ND	10	9.2	92		8.8	88		63-130	4		20
1,1,2-Trichloroethane	ND	10	9.6	96		9.2	92		70-130	4		20
Tetrachloroethene	ND	10	11	110		10	100		70-130	10		20
Chlorobenzene	ND	10	9.7	97		9.4	94		75-130	3		20
Trichlorofluoromethane	ND	10	11	110		11	110		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		9.7	97		70-130	3		20
1,1,1-Trichloroethane	ND	10	11	110		10	100		67-130	10		20
Bromodichloromethane	ND	10	9.9	99		9.5	95		67-130	4		20
trans-1,3-Dichloropropene	ND	10	9.4	94		9.0	90		70-130	4		20
cis-1,3-Dichloropropene	ND	10	8.9	89		8.6	86		70-130	3		20
1,1-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
Bromoform	ND	10	8.0	80		7.9	79		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	8.2	82		8.0	80		67-130	2		20
Benzene	ND	10	10	100		9.8	98		70-130	2		20
Toluene	ND	10	10	100		9.7	97		70-130	3		20
Ethylbenzene	ND	10	10	100		9.9	99		70-130	1		20
Chloromethane	ND	10	9.3	93		9.5	95		64-130	2		20
Bromomethane	ND	10	3.2	32	Q	4.4	44		39-139	32	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-07 QC Batch ID: WG1879978-6 WG1879978-7 QC Sample: L2404894-04 Client ID: GW-04												
Vinyl chloride	ND	10	9.9	99		10	100		55-140	1		20
Chloroethane	ND	10	9.5	95		9.6	96		55-138	1		20
1,1-Dichloroethene	ND	10	9.4	94		9.2	92		61-145	2		20
trans-1,2-Dichloroethene	ND	10	9.3	93		9.2	92		70-130	1		20
Trichloroethene	ND	10	9.8	98		9.5	95		70-130	3		20
1,2-Dichlorobenzene	ND	10	9.0	90		8.8	88		70-130	2		20
1,3-Dichlorobenzene	ND	10	9.3	93		9.0	90		70-130	3		20
1,4-Dichlorobenzene	ND	10	9.0	90		8.7	87		70-130	3		20
Methyl tert butyl ether	ND	10	8.3	83		8.2	82		63-130	1		20
p/m-Xylene	ND	20	21	105		20	100		70-130	5		20
o-Xylene	ND	20	20	100		19	95		70-130	5		20
cis-1,2-Dichloroethene	ND	10	9.5	95		9.2	92		70-130	3		20
Dibromomethane	ND	10	8.9	89		8.6	86		70-130	3		20
1,2,3-Trichloropropane	ND	10	8.1	81		7.9	79		64-130	2		20
Acrylonitrile	ND	10	8.5	85		9.1	91		70-130	7		20
Styrene	ND	20	19	95		18	90		70-130	5		20
Dichlorodifluoromethane	ND	10	6.0	60		6.2	62		36-147	3		20
Acetone	ND	10	9.1	91		8.9	89		58-148	2		20
Carbon disulfide	ND	10	9.8	98		9.6	96		51-130	2		20
2-Butanone	ND	10	8.2	82		9.0	90		63-138	9		20
Vinyl acetate	ND	10	10	100		9.8	98		70-130	2		20
4-Methyl-2-pentanone	ND	10	8.0	80		7.9	79		59-130	1		20
2-Hexanone	ND	10	7.3	73		6.7	67		57-130	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-07 QC Batch ID: WG1879978-6 WG1879978-7 QC Sample: L2404894-04 Client ID: GW-04												
Bromochloromethane	ND	10	9.5	95		9.2	92		70-130	3		20
2,2-Dichloropropane	ND	10	9.6	96		9.6	96		63-133	0		20
1,2-Dibromoethane	ND	10	8.8	88		8.6	86		70-130	2		20
1,3-Dichloropropane	ND	10	10	100		9.7	97		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		9.5	95		64-130	5		20
Bromobenzene	ND	10	9.4	94		9.1	91		70-130	3		20
n-Butylbenzene	ND	10	9.4	94		9.3	93		53-136	1		20
sec-Butylbenzene	ND	10	9.4	94		9.2	92		70-130	2		20
tert-Butylbenzene	ND	10	9.6	96		9.5	95		70-130	1		20
o-Chlorotoluene	ND	10	9.5	95		9.3	93		70-130	2		20
p-Chlorotoluene	ND	10	9.4	94		9.2	92		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	7.4	74		7.4	74		41-144	0		20
Hexachlorobutadiene	ND	10	9.5	95		9.4	94		63-130	1		20
Isopropylbenzene	ND	10	9.3	93		9.1	91		70-130	2		20
p-Isopropyltoluene	ND	10	9.5	95		9.3	93		70-130	2		20
Naphthalene	ND	10	6.3	63	Q	6.6	66	Q	70-130	5		20
n-Propylbenzene	ND	10	9.6	96		9.4	94		69-130	2		20
1,2,3-Trichlorobenzene	ND	10	7.6	76		7.8	78		70-130	3		20
1,2,4-Trichlorobenzene	ND	10	8.1	81		8.2	82		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	9.4	94		9.2	92		64-130	2		20
1,2,4-Trimethylbenzene	ND	10	9.2	92		9.1	91		70-130	1		20
1,4-Dioxane	ND	500	380	76		400	80		56-162	5		20
p-Diethylbenzene	ND	10	9.3	93		9.0	90		70-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-07 QC Batch ID: WG1879978-6 WG1879978-7 QC Sample: L2404894-04 Client ID: GW-04												
p-Ethyltoluene	ND	10	9.4	94		9.2	92		70-130	2		20
1,2,4,5-Tetramethylbenzene	ND	10	8.7	87		8.6	86		70-130	1		20
Ethyl ether	ND	10	8.4	84		8.2	82		59-134	2		20
trans-1,4-Dichloro-2-butene	ND	10	7.3	73		6.8	68	Q	70-130	7		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		110		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	102		101		70-130
Toluene-d8	106		105		70-130

SEMIVOLATILES

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
Client ID: GW-07
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 02/01/24 03:44
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
Client ID: GW-07
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	38		10-120
4-Terphenyl-d14	60		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
Client ID: GW-07
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 14:40
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.32	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
Client ID: GW-07
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	72		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
Client ID: GW-05
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 02/01/24 04:07
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
Client ID: GW-05
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	41		10-120
4-Terphenyl-d14	64		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
Client ID: GW-05
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 14:57
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.34		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.03	J	ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
Client ID: GW-05
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	68		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
Client ID: GW-02
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 02/01/24 04:31
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
Client ID: GW-02
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	77		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
Client ID: GW-02
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 15:13
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.12		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.12		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.04	J	ug/l	0.10	0.01	1
Anthracene	0.06	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.19		ug/l	0.10	0.01	1
Phenanthrene	0.02	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
Client ID: GW-02
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	75		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
Client ID: GW-04
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 02/01/24 05:42
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
Client ID: GW-04
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	6.3	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	64		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
Client ID: GW-04
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 15:30
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.17		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
Client ID: GW-04
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	68		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
Client ID: GW-01
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 02/01/24 06:05
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
Client ID: GW-01
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	62		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
Client ID: GW-01
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 16:20
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.06	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.01	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
Client ID: GW-01
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	71		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
Client ID: GW-06
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 02/01/24 06:29
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
Client ID: GW-06
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	1.9	J	ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	61		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
Client ID: GW-06
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 16:36
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.07	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.12		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
Client ID: GW-06
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	67		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
Client ID: DUP_01292024
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 02/01/24 06:53
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
Client ID: DUP_01292024
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	65		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
Client ID: DUP_01292024
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 16:53
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.14		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
Client ID: DUP_01292024
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	69		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
Client ID: FIELD BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E
Analytical Date: 02/01/24 07:17
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
Client ID: FIELD BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	57		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
Client ID: FIELD BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 17:09
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
Client ID: FIELD BLANK
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	62		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/01/24 00:10
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1879894-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/01/24 00:10
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1879894-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/01/24 00:10
Analyst: GMR

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1879894-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	60		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 14:24
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG1879895-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 01/31/24 14:24
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 01/31/24 00:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG1879895-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	69		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1879894-2 WG1879894-3								
Acenaphthene	65		59		37-111	10		30
1,2,4-Trichlorobenzene	63		54		39-98	15		30
Hexachlorobenzene	62		64		40-140	3		30
Bis(2-chloroethyl)ether	71		61		40-140	15		30
2-Chloronaphthalene	67		60		40-140	11		30
1,2-Dichlorobenzene	63		54		40-140	15		30
1,3-Dichlorobenzene	65		53		40-140	20		30
1,4-Dichlorobenzene	66		55		36-97	18		30
3,3'-Dichlorobenzidine	57		50		40-140	13		30
2,4-Dinitrotoluene	72		78		48-143	8		30
2,6-Dinitrotoluene	79		67		40-140	16		30
Fluoranthene	66		67		40-140	2		30
4-Chlorophenyl phenyl ether	63		64		40-140	2		30
4-Bromophenyl phenyl ether	63		67		40-140	6		30
Bis(2-chloroisopropyl)ether	76		62		40-140	20		30
Bis(2-chloroethoxy)methane	73		64		40-140	13		30
Hexachlorobutadiene	69		59		40-140	16		30
Hexachlorocyclopentadiene	55		52		40-140	6		30
Hexachloroethane	71		58		40-140	20		30
Isophorone	74		62		40-140	18		30
Naphthalene	67		59		40-140	13		30
Nitrobenzene	82		72		40-140	13		30
NDPA/DPA	67		69		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1879894-2 WG1879894-3								
n-Nitrosodi-n-propylamine	77		66		29-132	15		30
Bis(2-ethylhexyl)phthalate	59		66		40-140	11		30
Butyl benzyl phthalate	61		70		40-140	14		30
Di-n-butylphthalate	55		56		40-140	2		30
Di-n-octylphthalate	66		68		40-140	3		30
Diethyl phthalate	65		68		40-140	5		30
Dimethyl phthalate	68		65		40-140	5		30
Benzo(a)anthracene	66		66		40-140	0		30
Benzo(a)pyrene	82		83		40-140	1		30
Benzo(b)fluoranthene	75		77		40-140	3		30
Benzo(k)fluoranthene	76		76		40-140	0		30
Chrysene	70		69		40-140	1		30
Acenaphthylene	63		57		45-123	10		30
Anthracene	63		61		40-140	3		30
Benzo(ghi)perylene	79		76		40-140	4		30
Fluorene	64		68		40-140	6		30
Phenanthrene	62		60		40-140	3		30
Dibenzo(a,h)anthracene	75		74		40-140	1		30
Indeno(1,2,3-cd)pyrene	81		82		40-140	1		30
Pyrene	66		66		26-127	0		30
Biphenyl	61		55		40-140	10		30
4-Chloroaniline	78		53		40-140	38	Q	30
2-Nitroaniline	82		81		52-143	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1879894-2 WG1879894-3								
3-Nitroaniline	74		72		25-145	3		30
4-Nitroaniline	74		74		51-143	0		30
Dibenzofuran	64		63		40-140	2		30
2-Methylnaphthalene	68		62		40-140	9		30
1,2,4,5-Tetrachlorobenzene	65		60		2-134	8		30
Acetophenone	73		61		39-129	18		30
2,4,6-Trichlorophenol	76		72		30-130	5		30
p-Chloro-m-cresol	78		76		23-97	3		30
2-Chlorophenol	73		59		27-123	21		30
2,4-Dichlorophenol	76		60		30-130	24		30
2,4-Dimethylphenol	58		42		30-130	32	Q	30
2-Nitrophenol	88		78		30-130	12		30
4-Nitrophenol	81	Q	88	Q	10-80	8		30
2,4-Dinitrophenol	63		92		20-130	37	Q	30
4,6-Dinitro-o-cresol	89		96		20-164	8		30
Pentachlorophenol	47		58		9-103	21		30
Phenol	54		51		12-110	6		30
2-Methylphenol	71		58		30-130	20		30
3-Methylphenol/4-Methylphenol	73		63		30-130	15		30
2,4,5-Trichlorophenol	75		72		30-130	4		30
Benzoic Acid	42		67		10-164	46	Q	30
Benzyl Alcohol	76		71		26-116	7		30
Carbazole	64		63		55-144	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1879894-2 WG1879894-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		58		21-120
Phenol-d6	56		53		10-120
Nitrobenzene-d5	84		76		23-120
2-Fluorobiphenyl	68		61		15-120
2,4,6-Tribromophenol	67		70		10-120
4-Terphenyl-d14	59		62		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG1879895-2 WG1879895-3								
Acenaphthene	69		62		40-140	11		40
2-Chloronaphthalene	71		64		40-140	10		40
Fluoranthene	79		75		40-140	5		40
Hexachlorobutadiene	60		53		40-140	12		40
Naphthalene	65		59		40-140	10		40
Benzo(a)anthracene	68		67		40-140	1		40
Benzo(a)pyrene	71		69		40-140	3		40
Benzo(b)fluoranthene	71		66		40-140	7		40
Benzo(k)fluoranthene	71		73		40-140	3		40
Chrysene	68		66		40-140	3		40
Acenaphthylene	76		67		40-140	13		40
Anthracene	70		67		40-140	4		40
Benzo(ghi)perylene	77		78		40-140	1		40
Fluorene	74		69		40-140	7		40
Phenanthrene	66		64		40-140	3		40
Dibenzo(a,h)anthracene	80		81		40-140	1		40
Indeno(1,2,3-cd)pyrene	77		79		40-140	3		40
Pyrene	82		77		40-140	6		40
2-Methylnaphthalene	71		63		40-140	12		40
Pentachlorophenol	60		65		40-140	8		40
Hexachlorobenzene	64		61		40-140	5		40
Hexachloroethane	60		53		40-140	12		40

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG1879895-2 WG1879895-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		55		21-120
Phenol-d6	54		49		10-120
Nitrobenzene-d5	81		71		23-120
2-Fluorobiphenyl	74		65		15-120
2,4,6-Tribromophenol	87		86		10-120
4-Terphenyl-d14	78		73		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1879894-4 WG1879894-5 QC Sample: L2404894-04 Client ID: GW-04												
1,2,4-Trichlorobenzene	ND	18.2	10	55		10	55		39-98	0		30
Bis(2-chloroethyl)ether	ND	18.2	11	61		11	61		40-140	0		30
1,2-Dichlorobenzene	ND	18.2	11	61		12	66		40-140	9		30
1,3-Dichlorobenzene	ND	18.2	10	55		11	61		40-140	10		30
1,4-Dichlorobenzene	ND	18.2	10	55		11	61		36-97	10		30
3,3'-Dichlorobenzidine	ND	18.2	7.3	40		10	55		40-140	31	Q	30
2,4-Dinitrotoluene	ND	18.2	13	72		13	72		48-143	0		30
2,6-Dinitrotoluene	ND	18.2	11	61		13	72		40-140	17		30
4-Chlorophenyl phenyl ether	ND	18.2	10	55		11	61		40-140	10		30
4-Bromophenyl phenyl ether	ND	18.2	9.1	50		11	61		40-140	19		30
Bis(2-chloroisopropyl)ether	ND	18.2	11	61		12	66		40-140	9		30
Bis(2-chloroethoxy)methane	ND	18.2	12	66		12	66		40-140	0		30
Hexachlorocyclopentadiene	ND	18.2	9.2J	51		11.J	61		40-140	18		30
Isophorone	ND	18.2	11	61		12	66		40-140	9		30
Nitrobenzene	ND	18.2	13	72		14	77		40-140	7		30
NDPA/DPA	ND	18.2	10	55		11	61		40-140	10		30
n-Nitrosodi-n-propylamine	ND	18.2	12	66		13	72		29-132	8		30
Bis(2-ethylhexyl)phthalate	ND	18.2	9.9	54		11	61		40-140	11		30
Butyl benzyl phthalate	ND	18.2	11	61		12	66		40-140	9		30
Di-n-butylphthalate	ND	18.2	8.4	46		10	55		40-140	17		30
Di-n-octylphthalate	ND	18.2	12	66		13	72		40-140	8		30
Diethyl phthalate	ND	18.2	10	55		12	66		40-140	18		30
Dimethyl phthalate	ND	18.2	10	55		12	66		40-140	18		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1879894-4 WG1879894-5 QC Sample: L2404894-04 Client ID: GW-04												
Biphenyl	ND	18.2	10	55		12	66		40-140	18		30
4-Chloroaniline	ND	18.2	8.3	46		12	66		40-140	36	Q	30
2-Nitroaniline	ND	18.2	13	72		14	77		52-143	7		30
3-Nitroaniline	ND	18.2	9.8	54		13	72		25-145	28		30
4-Nitroaniline	ND	18.2	11	61		14	77		51-143	24		30
Dibenzofuran	ND	18.2	10	55		11	61		40-140	10		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	11	61		12	66		2-134	9		30
Acetophenone	ND	18.2	11	61		12	66		39-129	9		30
2,4,6-Trichlorophenol	ND	18.2	11	61		14	77		30-130	24		30
p-Chloro-m-cresol	ND	18.2	12	66		14	77		23-97	15		30
2-Chlorophenol	ND	18.2	10	55		11	61		27-123	10		30
2,4-Dichlorophenol	ND	18.2	11	61		12	66		30-130	9		30
2,4-Dimethylphenol	ND	18.2	7.1	39		8.9	49		30-130	23		30
2-Nitrophenol	ND	18.2	14	77		15	83		30-130	7		30
4-Nitrophenol	ND	18.2	16	88	Q	16	88	Q	10-80	0		30
2,4-Dinitrophenol	ND	18.2	15.J	83		14.J	77		20-130	7		30
4,6-Dinitro-o-cresol	ND	18.2	16	88		17	94		20-164	6		30
Phenol	ND	18.2	9.6	53		9.8	54		12-110	2		30
2-Methylphenol	ND	18.2	10	55		12	66		30-130	18		30
3-Methylphenol/4-Methylphenol	ND	18.2	11	61		12	66		30-130	9		30
2,4,5-Trichlorophenol	ND	18.2	12	66		13	72		30-130	8		30
Benzoic Acid	6.3J	18.2	11.J	61		7.9J	43		10-164	33	Q	30
Benzyl Alcohol	ND	18.2	12	66		12	66		26-116	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1879894-4 WG1879894-5 QC Sample: L2404894-04 Client ID: GW-04												
Carbazole	ND	18.2	10	55		12	66		55-144	18		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	62		70		10-120
2-Fluorobiphenyl	59		70		15-120
2-Fluorophenol	61		58		21-120
4-Terphenyl-d14	53		60		41-149
Nitrobenzene-d5	70		74		23-120
Phenol-d6	50		54		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1879895-4 WG1879895-5 QC Sample: L2404894-04 Client ID: GW-04												
Acenaphthene	ND	18.2	11	61		12	66		40-140	9		40
2-Chloronaphthalene	ND	18.2	10	55		12	66		40-140	18		40
Fluoranthene	ND	18.2	12	66		13	72		40-140	8		40
Hexachlorobutadiene	ND	18.2	9.4	52		10	55		40-140	6		40
Naphthalene	0.17	18.2	10	54		11	60		40-140	10		40
Benzo(a)anthracene	ND	18.2	11	61		12	66		40-140	9		40
Benzo(a)pyrene	ND	18.2	11	61		13	72		40-140	17		40
Benzo(b)fluoranthene	ND	18.2	11	61		12	66		40-140	9		40
Benzo(k)fluoranthene	ND	18.2	11	61		13	72		40-140	17		40
Chrysene	ND	18.2	11	61		12	66		40-140	9		40
Acenaphthylene	ND	18.2	11	61		12	66		40-140	9		40
Anthracene	ND	18.2	11	61		12	66		40-140	9		40
Benzo(ghi)perylene	ND	18.2	13	72		14	77		40-140	7		40
Fluorene	ND	18.2	11	61		13	72		40-140	17		40
Phenanthrene	ND	18.2	10	55		12	66		40-140	18		40
Dibenzo(a,h)anthracene	ND	18.2	13	72		15	83		40-140	14		40
Indeno(1,2,3-cd)pyrene	ND	18.2	13	72		14	77		40-140	7		40
Pyrene	ND	18.2	12	66		14	77		40-140	15		40
2-Methylnaphthalene	ND	18.2	10	55		12	66		40-140	18		40
Pentachlorophenol	ND	18.2	11	61		12	66		40-140	9		40
Hexachlorobenzene	ND	18.2	10	55		12	66		40-140	18		40
Hexachloroethane	ND	18.2	9.8	54		11	61		40-140	12		40

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1879895-4 WG1879895-5 QC Sample: L2404894-04
 Client ID: GW-04

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	71		81		10-120
2-Fluorobiphenyl	58		65		15-120
2-Fluorophenol	55		62		21-120
4-Terphenyl-d14	65		72		41-149
Nitrobenzene-d5	69		79		23-120
Phenol-d6	50		58		10-120

METALS

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
 Client ID: GW-07
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.100		mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00030	J	mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Barium, Total	0.04780		mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Calcium, Total	98.2		mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00081	J	mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00022	J	mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Copper, Total	0.00135		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Iron, Total	0.495		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Lead, Total	0.00134		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Magnesium, Total	4.12		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Manganese, Total	0.01465		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:14	02/02/24 17:09	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00136	J	mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Potassium, Total	11.6		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Sodium, Total	23.0		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Zinc, Total	0.00356	J	mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 10:34	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00422	J	mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Barium, Dissolved	0.04963		mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-01
 Client ID: GW-07
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:05
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Calcium, Dissolved	121.		mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Chromium, Dissolved	0.00093	J	mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Cobalt, Dissolved	0.00017	J	mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Copper, Dissolved	0.00082	J	mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Iron, Dissolved	0.0390	J	mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Magnesium, Dissolved	4.77		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Manganese, Dissolved	0.01470		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Mercury, Dissolved	0.00009	J	mg/l	0.00020	0.00009	1	01/31/24 09:24	01/31/24 21:18	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00142	J	mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Potassium, Dissolved	13.3		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Sodium, Dissolved	31.0		mg/l	0.100	0.0293	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 13:16	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
 Client ID: GW-05
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.17		mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00110		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Barium, Total	0.04871		mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Calcium, Total	55.6		mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Chromium, Total	0.01185		mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00170		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Copper, Total	0.00661		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Iron, Total	2.45		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Lead, Total	0.00329		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Magnesium, Total	4.44		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Manganese, Total	0.1835		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:23	02/02/24 17:12	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00296		mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Potassium, Total	20.5		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Sodium, Total	63.2		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.00250	J	mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Zinc, Total	0.00712	J	mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 10:38	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0555		mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Arsenic, Dissolved	0.00044	J	mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Barium, Dissolved	0.04108		mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-02
 Client ID: GW-05
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 09:35
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Calcium, Dissolved	61.9		mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Chromium, Dissolved	0.01070		mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Cobalt, Dissolved	0.00069		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Copper, Dissolved	0.00354		mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Iron, Dissolved	0.0567		mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Magnesium, Dissolved	4.34		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Manganese, Dissolved	0.00323		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Mercury, Dissolved	0.00010	J	mg/l	0.00020	0.00009	1	01/31/24 09:24	01/31/24 21:22	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00086	J	mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Potassium, Dissolved	21.9		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Sodium, Dissolved	72.2		mg/l	0.100	0.0293	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 13:21	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
 Client ID: GW-02
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00587	J	mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00090	J	mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00381		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Barium, Total	0.1145		mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Calcium, Total	147.		mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00061	J	mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00019	J	mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Iron, Total	7.70		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Magnesium, Total	40.0		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Manganese, Total	4.587		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:23	02/02/24 17:15	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Potassium, Total	32.4		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Sodium, Total	220.		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 11:14	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00583	J	mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Arsenic, Dissolved	0.00288		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Barium, Dissolved	0.06804		mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-03
 Client ID: GW-02
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:25
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Calcium, Dissolved	174.		mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Chromium, Dissolved	0.00098	J	mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Cobalt, Dissolved	0.00018	J	mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Iron, Dissolved	1.66		mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Magnesium, Dissolved	44.5		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Manganese, Dissolved	5.592		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	01/31/24 09:24	02/01/24 10:41	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Potassium, Dissolved	35.2		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Sodium, Dissolved	253.		mg/l	0.100	0.0293	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 13:25	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
 Client ID: GW-04
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.385		mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00186		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Barium, Total	0.02941		mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Calcium, Total	30.2		mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00117		mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00042	J	mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Copper, Total	0.00182		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Iron, Total	1.26		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Lead, Total	0.00134		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Magnesium, Total	10.5		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Manganese, Total	0.1454		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:23	02/02/24 16:59	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00137	J	mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Potassium, Total	11.0		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Selenium, Total	0.00219	J	mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Sodium, Total	56.0		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.00224	J	mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 10:25	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0113		mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Antimony, Dissolved	0.00060	J	mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Arsenic, Dissolved	0.00140		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Barium, Dissolved	0.02189		mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-04
Client ID: GW-04
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 10:55
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Calcium, Dissolved	33.3		mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Chromium, Dissolved	0.00069	J	mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Cobalt, Dissolved	0.00027	J	mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Copper, Dissolved	0.00129		mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Iron, Dissolved	0.0665		mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Magnesium, Dissolved	11.0		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Manganese, Dissolved	0.1709		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Mercury, Dissolved	0.00013	J	mg/l	0.00020	0.00009	1	01/31/24 09:24	01/31/24 20:52	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00085	J	mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Potassium, Dissolved	11.4		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Selenium, Dissolved	0.00232	J	mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Sodium, Dissolved	65.5		mg/l	0.100	0.0293	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Thallium, Dissolved	0.00025	J	mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 12:29	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
 Client ID: GW-01
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0197		mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00067		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Barium, Total	0.05714		mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Calcium, Total	58.6		mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00056	J	mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00084		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Iron, Total	1.54		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Magnesium, Total	25.2		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Manganese, Total	1.227		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:23	02/02/24 17:19	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00192	J	mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Potassium, Total	19.1		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Sodium, Total	190.		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 11:19	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00596	J	mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Arsenic, Dissolved	0.00054		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Barium, Dissolved	0.05477		mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-05
Client ID: GW-01
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 11:25
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Calcium, Dissolved	68.0		mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Chromium, Dissolved	0.00100		mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Cobalt, Dissolved	0.00085		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Iron, Dissolved	0.270		mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Magnesium, Dissolved	26.2		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Manganese, Dissolved	1.260		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	01/31/24 09:24	02/01/24 10:44	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00215		mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Potassium, Dissolved	20.5		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Sodium, Dissolved	210.		mg/l	0.100	0.0293	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 13:30	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
 Client ID: GW-06
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7.18		mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00105	J	mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00443		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Barium, Total	0.03589		mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Calcium, Total	69.7		mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Chromium, Total	0.01009		mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00179		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Copper, Total	0.05484		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Iron, Total	0.106		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Lead, Total	0.00109		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Manganese, Total	0.00264		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:23	02/02/24 17:22	EPA 7470A	1,7470A	GMG
Nickel, Total	0.02940		mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Potassium, Total	92.7		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Selenium, Total	0.00305	J	mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Sodium, Total	63.6		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.03070		mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 11:23	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	8.29		mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Antimony, Dissolved	0.00115	J	mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Arsenic, Dissolved	0.00480		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Barium, Dissolved	0.03437		mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-06
 Client ID: GW-06
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:45
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Calcium, Dissolved	74.6		mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Chromium, Dissolved	0.01152		mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Cobalt, Dissolved	0.00184		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Copper, Dissolved	0.05649		mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Iron, Dissolved	0.0488	J	mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Lead, Dissolved	0.00075	J	mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Manganese, Dissolved	0.00118		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	01/31/24 09:24	02/01/24 10:54	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.03012		mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Potassium, Dissolved	108.		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Selenium, Dissolved	0.00381	J	mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Sodium, Dissolved	63.0		mg/l	1.00	0.293	10	01/31/24 08:07	01/31/24 14:03	EPA 3005A	1,6020B	NTB
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Vanadium, Dissolved	0.03726		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 13:35	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
 Client ID: DUP_01292024
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.850		mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00082		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Barium, Total	0.04790		mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Calcium, Total	55.7		mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Chromium, Total	0.01082		mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00158		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Copper, Total	0.00600		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Iron, Total	1.51		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Lead, Total	0.00242		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Magnesium, Total	4.47		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Manganese, Total	0.1435		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:23	02/02/24 17:32	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00226		mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Potassium, Total	20.4		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Sodium, Total	64.2		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.00179	J	mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Zinc, Total	0.00574	J	mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 11:28	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0424		mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Arsenic, Dissolved	0.00037	J	mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Barium, Dissolved	0.04158		mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-07
Client ID: DUP_01292024
Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:00
Date Received: 01/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Calcium, Dissolved	62.1		mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Chromium, Dissolved	0.01056		mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Cobalt, Dissolved	0.00069		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Copper, Dissolved	0.00334		mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Iron, Dissolved	0.0437	J	mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Magnesium, Dissolved	4.44		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Manganese, Dissolved	0.00236		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	01/31/24 09:24	02/01/24 10:58	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00088	J	mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Potassium, Dissolved	21.3		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Sodium, Dissolved	73.2		mg/l	0.100	0.0293	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 13:39	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
 Client ID: FIELD BLANK
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Barium, Total	0.00041	J	mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Calcium, Total	0.0577	J	mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00020	J	mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:23	02/02/24 17:36	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Sodium, Total	0.371		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 10:55	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Barium, Dissolved	0.00021	J	mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

SAMPLE RESULTS

Lab ID: L2404894-08
 Client ID: FIELD BLANK
 Sample Location: LIC, NY 11101

Date Collected: 01/29/24 12:30
 Date Received: 01/29/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Calcium, Dissolved	0.0803	J	mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Chromium, Dissolved	0.00092	J	mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	01/31/24 09:24	02/01/24 11:01	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Sodium, Dissolved	0.377		mg/l	0.100	0.0293	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Thallium, Dissolved	0.00016	J	mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 12:58	EPA 3005A	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1879809-1										
Aluminum, Dissolved	0.00372	J	mg/l	0.0100	0.00327	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Chromium, Dissolved	0.00083	J	mg/l	0.00100	0.00017	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	01/31/24 08:07	01/31/24 11:53	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1879810-1										
Mercury, Dissolved	0.00010	J	mg/l	0.00020	0.00009	1	01/31/24 09:24	01/31/24 20:03	1,7470A	GMG

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1880098-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Barium, Total	0.00023	J	mg/l	0.00050	0.00017	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	02/01/24 16:33	02/02/24 09:57	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1880099-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	02/01/24 21:14	02/02/24 16:52	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1879809-2								
Aluminum, Dissolved	92		-		80-120	-		
Antimony, Dissolved	85		-		80-120	-		
Arsenic, Dissolved	102		-		80-120	-		
Barium, Dissolved	97		-		80-120	-		
Beryllium, Dissolved	90		-		80-120	-		
Cadmium, Dissolved	96		-		80-120	-		
Calcium, Dissolved	91		-		80-120	-		
Chromium, Dissolved	99		-		80-120	-		
Cobalt, Dissolved	96		-		80-120	-		
Copper, Dissolved	98		-		80-120	-		
Iron, Dissolved	98		-		80-120	-		
Lead, Dissolved	98		-		80-120	-		
Magnesium, Dissolved	93		-		80-120	-		
Manganese, Dissolved	99		-		80-120	-		
Nickel, Dissolved	97		-		80-120	-		
Potassium, Dissolved	92		-		80-120	-		
Selenium, Dissolved	94		-		80-120	-		
Silver, Dissolved	102		-		80-120	-		
Sodium, Dissolved	93		-		80-120	-		
Thallium, Dissolved	113		-		80-120	-		
Vanadium, Dissolved	95		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1879809-2					
Zinc, Dissolved	97	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1879810-2					
Mercury, Dissolved	98	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1880098-2					
Aluminum, Total	91	-	80-120	-	
Antimony, Total	84	-	80-120	-	
Arsenic, Total	93	-	80-120	-	
Barium, Total	85	-	80-120	-	
Beryllium, Total	90	-	80-120	-	
Cadmium, Total	87	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	87	-	80-120	-	
Cobalt, Total	87	-	80-120	-	
Copper, Total	92	-	80-120	-	
Iron, Total	91	-	80-120	-	
Lead, Total	87	-	80-120	-	
Magnesium, Total	88	-	80-120	-	
Manganese, Total	91	-	80-120	-	
Nickel, Total	90	-	80-120	-	
Potassium, Total	87	-	80-120	-	
Selenium, Total	92	-	80-120	-	
Silver, Total	91	-	80-120	-	
Sodium, Total	89	-	80-120	-	
Thallium, Total	86	-	80-120	-	
Vanadium, Total	87	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1880098-2					
Zinc, Total	89	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1880099-2					
Mercury, Total	101	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1879809-3 WG1879809-4 QC Sample: L2404894-04 Client ID: GW-04												
Aluminum, Dissolved	0.0113	2	1.80	89		1.80	89		75-125	0		20
Antimony, Dissolved	0.00060J	0.5	0.4388	88		0.3941	79		75-125	11		20
Arsenic, Dissolved	0.00140	0.12	0.1218	100		0.1229	101		75-125	1		20
Barium, Dissolved	0.02189	2	1.896	94		1.967	97		75-125	4		20
Beryllium, Dissolved	ND	0.05	0.04975	100		0.04866	97		75-125	2		20
Cadmium, Dissolved	ND	0.053	0.05067	96		0.05191	98		75-125	2		20
Calcium, Dissolved	33.3	10	43.7	104		42.1	88		75-125	4		20
Chromium, Dissolved	0.00069J	0.2	0.1908	95		0.1892	95		75-125	1		20
Cobalt, Dissolved	0.00027J	0.5	0.4701	94		0.4708	94		75-125	0		20
Copper, Dissolved	0.00129	0.25	0.2464	98		0.2487	99		75-125	1		20
Iron, Dissolved	0.0665	1	1.06	99		1.45	138	Q	75-125	31	Q	20
Lead, Dissolved	ND	0.53	0.5079	96		0.5262	99		75-125	4		20
Magnesium, Dissolved	11.0	10	20.5	95		19.9	89		75-125	3		20
Manganese, Dissolved	0.1709	0.5	0.6477	95		0.5985	86		75-125	8		20
Nickel, Dissolved	0.00085J	0.5	0.4782	96		0.4854	97		75-125	1		20
Potassium, Dissolved	11.4	10	20.6	92		20.2	88		75-125	2		20
Selenium, Dissolved	0.00232J	0.12	0.113	94		0.122	102		75-125	8		20
Silver, Dissolved	ND	0.05	0.05028	100		0.05157	103		75-125	3		20
Sodium, Dissolved	65.5	10	68.6	31	Q	68.2	27	Q	75-125	1		20
Thallium, Dissolved	0.00025J	0.12	0.1330	111		0.1378	115		75-125	4		20
Vanadium, Dissolved	ND	0.5	0.4640	93		0.4713	94		75-125	2		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1879809-3 WG1879809-4 QC Sample: L2404894-04 Client ID: GW-04									
Zinc, Dissolved	ND	0.5	0.4719	94	0.4807	96	75-125	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1879810-3 WG1879810-4 QC Sample: L2404894-04 Client ID: GW-04									
Mercury, Dissolved	0.00013J	0.005	0.00487	98	0.00470	94	75-125	4	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1880098-3 WG1880098-4 QC Sample: L2404894-04 Client ID: GW-04									
Aluminum, Total	0.385	2	2.33	97	2.38	100	75-125	2	20
Antimony, Total	ND	0.5	0.3946	79	0.4099	82	75-125	4	20
Arsenic, Total	0.00186	0.12	0.1063	87	0.1151	94	75-125	8	20
Barium, Total	0.02941	2	1.745	86	1.792	88	75-125	3	20
Beryllium, Total	ND	0.05	0.04607	92	0.04627	92	75-125	0	20
Cadmium, Total	ND	0.053	0.04629	87	0.04838	91	75-125	4	20
Calcium, Total	30.2	10	41.8	116	43.5	133	Q 75-125	4	20
Chromium, Total	0.00117	0.2	0.1677	83	0.1770	88	75-125	5	20
Cobalt, Total	0.00042J	0.5	0.4226	84	0.4450	89	75-125	5	20
Copper, Total	0.00182	0.25	0.2195	87	0.2324	92	75-125	6	20
Iron, Total	1.26	1	2.19	93	2.20	94	75-125	0	20
Lead, Total	0.00134	0.53	0.4659	88	0.4745	89	75-125	2	20
Magnesium, Total	10.5	10	20.1	96	20.1	96	75-125	0	20
Manganese, Total	0.1454	0.5	0.5917	89	0.6097	93	75-125	3	20
Nickel, Total	0.00137J	0.5	0.4329	86	0.4615	92	75-125	6	20
Potassium, Total	11.0	10	20.9	99	21.2	102	75-125	1	20
Selenium, Total	0.00219J	0.12	0.112	93	0.115	96	75-125	3	20
Silver, Total	ND	0.05	0.04640	93	0.04722	94	75-125	2	20
Sodium, Total	56.0	10	67.4	114	68.3	123	75-125	1	20
Thallium, Total	ND	0.12	0.1060	88	0.1068	89	75-125	1	20
Vanadium, Total	0.00224J	0.5	0.4232	85	0.4448	89	75-125	5	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08			QC Batch ID: WG1880098-3		WG1880098-4	QC Sample: L2404894-04		Client ID: GW-04	
Zinc, Total	ND	0.5	0.4333	87	0.4574	91	75-125	5	20
Total Metals - Mansfield Lab Associated sample(s): 01-08			QC Batch ID: WG1880099-3		WG1880099-4	QC Sample: L2404894-04		Client ID: GW-04	
Mercury, Total	ND	0.005	0.00517	103	0.00499	100	75-125	4	20

Project Name: VOREA
Project Number: 2887.0004Y

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2404894
Report Date: 02/05/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1879809-6 QC Sample: L2404894-04 Client ID: GW-04						
Barium, Dissolved	0.02189	0.02486	mg/l	14		20
Calcium, Dissolved	33.3	34.0	mg/l	2		20
Magnesium, Dissolved	11.0	11.1	mg/l	1		20
Manganese, Dissolved	0.1709	0.1758	mg/l	3		20
Potassium, Dissolved	11.4	11.1	mg/l	3		20
Sodium, Dissolved	65.5	58.0	mg/l	11		20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1880098-6 QC Sample: L2404894-04 Client ID: GW-04						
Aluminum, Total	0.385	0.431	mg/l	12		20
Barium, Total	0.02941	0.02741	mg/l	7		20
Calcium, Total	30.2	32.1	mg/l	6		20
Iron, Total	1.26	1.33	mg/l	6		20
Magnesium, Total	10.5	10.8	mg/l	3		20
Manganese, Total	0.1454	0.1480	mg/l	2		20
Potassium, Total	11.0	11.4	mg/l	4		20
Sodium, Total	56.0	57.1	mg/l	2		20

Project Name: VOREA**Lab Number:** L2404894**Project Number:** 2887.0004Y**Report Date:** 02/05/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2404894-01A	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-01B	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-01C	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-01D	Plastic 250ml unpreserved	B	7	7	3.8	Y	Absent		-
L2404894-01E	Amber 250ml unpreserved	B	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-01F	Amber 250ml unpreserved	B	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-01G	Plastic 250ml HNO3 preserved	B	<2	<2	3.8	Y	Absent		TL-6020T(180),SE-6020T(180),BA-6020T(180),FE-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2404894-01X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.8	Y	Absent		V-6020S(180),K-6020S(180),SE-6020S(180),CU-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),NA-6020S(180),BA-6020S(180),TL-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2404894-02A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-02B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-02C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-02D	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		-
L2404894-02E	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

Project Name: VOREA
Project Number: 2887.0004Y

Serial_No: 02052411:04
Lab Number: L2404894
Report Date: 02/05/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2404894-02F	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-02G	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2404894-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		K-6020S(180),CU-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2404894-03A	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-03B	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-03C	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-03D	Plastic 250ml unpreserved	B	7	7	3.8	Y	Absent		-
L2404894-03E	Amber 250ml unpreserved	B	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-03F	Amber 250ml unpreserved	B	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-03G	Plastic 250ml HNO3 preserved	B	<2	<2	3.8	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),CO-6020T(180)
L2404894-03X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.8	Y	Absent		K-6020S(180),SE-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),BA-6020S(180),NI-6020S(180),TL-6020S(180),NA-6020S(180),PB-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)

Project Name: VOREA
Project Number: 2887.0004Y

Serial_No: 02052411:04
Lab Number: L2404894
Report Date: 02/05/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2404894-04A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04A1	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04A2	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04B1	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04B2	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04C1	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04C2	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-04D	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		-
L2404894-04D1	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		-
L2404894-04D2	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		-
L2404894-04E	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-04E1	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-04E2	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-04F	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-04F1	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-04F2	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-04G	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2404894-04G1	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)

Project Name: VOREA
Project Number: 2887.0004Y

Serial_No: 02052411:04
Lab Number: L2404894
Report Date: 02/05/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2404894-04G2	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180)
L2404894-04X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2404894-04X1	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2404894-04X2	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2404894-05A	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-05B	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-05C	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-05D	Plastic 250ml unpreserved	B	7	7	3.8	Y	Absent		-
L2404894-05E	Amber 250ml unpreserved	B	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-05F	Amber 250ml unpreserved	B	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

Project Name: VOREA
Project Number: 2887.0004Y

Serial_No: 02052411:04
Lab Number: L2404894
Report Date: 02/05/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2404894-05G	Plastic 250ml HNO3 preserved	B	<2	<2	3.8	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),AG-6020T(180),MG-6020T(180),CO-6020T(180)
L2404894-05X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.8	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),PB-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2404894-06A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-06B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-06C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-06D	Plastic 250ml unpreserved	A	12	12	3.0	Y	Absent		-
L2404894-06E	Amber 250ml unpreserved	A	12	12	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-06F	Amber 250ml unpreserved	A	12	12	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-06G	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		TL-6020T(180),SE-6020T(180),BA-6020T(180),FE-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2404894-06X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		K-6020S(180),CU-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2404894-07A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2404894-07B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-07C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2404894-07D	Plastic 250ml unpreserved	A	7	7	3.0	Y	Absent		-
L2404894-07E	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-07F	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-07G	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CD-6020T(180),AG-6020T(180),CO-6020T(180)
L2404894-07X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.0	Y	Absent		CU-6020S(180),SE-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),TL-6020S(180),NA-6020S(180),PB-6020S(180),BA-6020S(180),NI-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2404894-08A	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-08B	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-08C	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-08D	Plastic 250ml unpreserved	B	7	7	3.8	Y	Absent		-
L2404894-08E	Amber 250ml unpreserved	B	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-08F	Amber 250ml unpreserved	B	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2404894-08G	Plastic 250ml HNO3 preserved	B	<2	<2	3.8	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)

Project Name: VOREA
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2404894-08X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.8	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2404894-09A	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)
L2404894-09B	Vial HCl preserved	B	NA		3.8	Y	Absent		NYTCL-8260(14)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 20

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page <u>1</u> of <u>1</u>	Date Rec'd in Lab <u>1/30/24</u>	ALPHA Job # <u>L2404894</u>																																																																																																																														
	Project Information: Project Name: <u>VOREA</u> Project Location: <u>LIR, NY</u> Project # <u>200-2-0049</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other																																																																																																																															
Client Information Client: <u>PAW</u> Address: <u>204 HAFER ST</u> <u>ISLANDIA, NY 11749</u> Phone: <u>631-232-2600</u> Fax: Email: <u>BHELDERBAND@PAWINC.COM</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Billing Information ☐ Same as Client Info PO #																																																																																																																														
Project Manager: <u>BROUKE HELDERBAND</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: <u>ASP-B DELIVERABLE</u> Please specify Metals or TAL.		ANALYSIS TEL VOLATILES - 3200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200 TEL SVCS - 5200																																																																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="4">ANALYSIS</th> <th rowspan="2">Sample Specific Comments</th> <th rowspan="2">Total Bottles</th> </tr> <tr> <th>Date</th> <th>Time</th> <th>TEL VOLATILES - 3200</th> <th>TEL SVCS - 5200</th> <th>TEL SVCS - 5200</th> <th>TEL SVCS - 5200</th> </tr> </thead> <tbody> <tr> <td>04894-01</td> <td>GW-07</td> <td>1/24/24</td> <td>0905</td> <td>W</td> <td>EL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>7</td> </tr> <tr> <td>02</td> <td>GW-05</td> <td>"</td> <td>0935</td> <td>W</td> <td>EL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>7</td> </tr> <tr> <td>03</td> <td>GW-02</td> <td>"</td> <td>1025</td> <td>W</td> <td>EL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>7</td> </tr> <tr> <td>04</td> <td>GW-04</td> <td>"</td> <td>1055</td> <td>W</td> <td>EL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>21</td> </tr> <tr> <td>05</td> <td>GW-01</td> <td>"</td> <td>1125</td> <td>W</td> <td>EL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>7</td> </tr> <tr> <td>06</td> <td>GW-06</td> <td>"</td> <td>1245</td> <td>W</td> <td>EL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>7</td> </tr> <tr> <td>07</td> <td>DUP-01292024</td> <td>"</td> <td>1200</td> <td>W</td> <td>EL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>7</td> </tr> <tr> <td>08</td> <td>FIELD BLANK</td> <td>"</td> <td>1230</td> <td>W</td> <td>EL</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>7</td> </tr> <tr> <td>09</td> <td>TRESP BLANK</td> <td>"</td> <td>"</td> <td>W</td> <td>EL</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS				Sample Specific Comments	Total Bottles	Date	Time	TEL VOLATILES - 3200	TEL SVCS - 5200	TEL SVCS - 5200	TEL SVCS - 5200	04894-01	GW-07	1/24/24	0905	W	EL	X	X	X	X		7	02	GW-05	"	0935	W	EL	X	X	X	X		7	03	GW-02	"	1025	W	EL	X	X	X	X		7	04	GW-04	"	1055	W	EL	X	X	X	X		21	05	GW-01	"	1125	W	EL	X	X	X	X		7	06	GW-06	"	1245	W	EL	X	X	X	X		7	07	DUP-01292024	"	1200	W	EL	X	X	X	X		7	08	FIELD BLANK	"	1230	W	EL	X	X	X	X		7	09	TRESP BLANK	"	"	W	EL	X					2	Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)		
ALPHA Lab ID (Lab Use Only)	Sample ID			Collection				Sample Matrix	Sampler's Initials	ANALYSIS				Sample Specific Comments	Total Bottles																																																																																																																			
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		V A P P HCL - - HNO ₃		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																								
Relinquished By: <u>[Signature]</u> Date/Time: <u>1/24/24 1500</u>		Received By: <u>[Signature]</u> Date/Time: <u>1/29/24 1720</u>		Relinquished By: <u>[Signature]</u> Date/Time: <u>1/29/24 1730</u>		Received By: <u>[Signature]</u> Date/Time: <u>1/30/24 00:20</u>		Relinquished By: <u>[Signature]</u> Date/Time: <u>1/29/24 1845</u>		Received By: <u>[Signature]</u> Date/Time: <u>1/29/24 1845</u>																																																																																																																								



ANALYTICAL REPORT

Lab Number:	L2410677
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Alexander Policastro
Phone:	(631) 630-2383
Project Name:	VOREA
Project Number:	2887.0004Y
Report Date:	03/07/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2410677-01	GW_03	WATER	2-33 50TH AVE., LIC, NY 11101	02/28/24 08:50	02/28/24
L2410677-02	DUP_022824	WATER	2-33 50TH AVE., LIC, NY 11101	02/28/24 08:55	02/28/24
L2410677-03	FIELD BLANK	FIELD BLANK	2-33 50TH AVE., LIC, NY 11101	02/28/24 09:00	02/28/24
L2410677-04	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE., LIC, NY 11101	02/27/24 00:00	02/28/24

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

The WG1892048-2/-3 LCS/LCSD recoveries, associated with L2410677-01 through -03, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG1892048-6/-7 MS/MSD recoveries, performed on L2410677-01, are below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

Semivolatile Organics by SIM

The WG1892049-1 Method Blank, associated with L2410677-03, has a concentration above the reporting limit for Naphthalene, Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene, and Pyrene. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

A Matrix Spike and Matrix Spike Duplicate could not be performed on L2410677-01 due to insufficient sample volume available for analysis.

Total Metals

L2410677-03: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG1891910-7/-8 MS/MSD recoveries for calcium (MSD 140%), potassium (MSD 129%), and sodium (140%/260%), performed on L2410677-01, do not apply because the sample concentrations are greater than

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Case Narrative (continued)

four times the spike amounts added.

Dissolved Metals

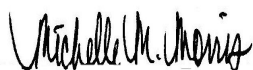
L2410677-03: The Field Blank has a result for calcium and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over. The dissolved result is greater than the total result for calcium and sodium. The sample containers were verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.

The WG1892237-3/-4 MS/MSD recoveries for calcium (30%/0%), potassium (MS 51%), and sodium (30%/0%), performed on L2410677-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1892237-4 MSD recovery, performed on L2410677-01, is outside the acceptance criteria for magnesium (53%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 03/07/24

ORGANICS

VOLATILES

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/01/24 02:02
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	2.4		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
Client ID: DUP_022824
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/01/24 02:25
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	3.4		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
Client ID: DUP_022824
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
Client ID: DUP_022824
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260D
Analytical Date: 03/02/24 04:53
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-04
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/27/24 00:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 03/02/24 05:17
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-04
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/27/24 00:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-04
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/27/24 00:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	110		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/29/24 19:25
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1891070-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/29/24 19:25
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1891070-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/29/24 19:25
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1891070-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/01/24 21:11
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1892782-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/01/24 21:11
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1892782-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/01/24 21:11
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1892782-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1891070-3 WG1891070-4								
Methylene chloride	92		94		70-130	2		20
1,1-Dichloroethane	95		96		70-130	1		20
Chloroform	94		92		70-130	2		20
Carbon tetrachloride	96		91		63-132	5		20
1,2-Dichloropropane	100		90		70-130	11		20
Dibromochloromethane	90		85		63-130	6		20
1,1,2-Trichloroethane	99		93		70-130	6		20
Tetrachloroethene	96		88		70-130	9		20
Chlorobenzene	91		90		75-130	1		20
Trichlorofluoromethane	100		81		62-150	21	Q	20
1,2-Dichloroethane	91		89		70-130	2		20
1,1,1-Trichloroethane	95		90		67-130	5		20
Bromodichloromethane	100		88		67-130	13		20
trans-1,3-Dichloropropene	86		84		70-130	2		20
cis-1,3-Dichloropropene	97		86		70-130	12		20
1,1-Dichloropropene	94		90		70-130	4		20
Bromoform	82		85		54-136	4		20
1,1,2,2-Tetrachloroethane	91		96		67-130	5		20
Benzene	95		91		70-130	4		20
Toluene	96		89		70-130	8		20
Ethylbenzene	92		88		70-130	4		20
Chloromethane	93		94		64-130	1		20
Bromomethane	70		57		39-139	20		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1891070-3 WG1891070-4								
Vinyl chloride	100		92		55-140	8		20
Chloroethane	110		86		55-138	24	Q	20
1,1-Dichloroethene	99		100		61-145	1		20
trans-1,2-Dichloroethene	98		99		70-130	1		20
Trichloroethene	100		96		70-130	4		20
1,2-Dichlorobenzene	89		92		70-130	3		20
1,3-Dichlorobenzene	91		90		70-130	1		20
1,4-Dichlorobenzene	90		90		70-130	0		20
Methyl tert butyl ether	87		92		63-130	6		20
p/m-Xylene	85		90		70-130	6		20
o-Xylene	80		85		70-130	6		20
cis-1,2-Dichloroethene	94		94		70-130	0		20
Dibromomethane	100		88		70-130	13		20
1,2,3-Trichloropropane	86		89		64-130	3		20
Acrylonitrile	96		100		70-130	4		20
Styrene	80		85		70-130	6		20
Dichlorodifluoromethane	100		96		36-147	4		20
Acetone	94		98		58-148	4		20
Carbon disulfide	95		96		51-130	1		20
2-Butanone	86		92		63-138	7		20
Vinyl acetate	86		88		70-130	2		20
4-Methyl-2-pentanone	73		74		59-130	1		20
2-Hexanone	69		68		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1891070-3 WG1891070-4								
Bromochloromethane	94		93		70-130	1		20
2,2-Dichloropropane	97		94		63-133	3		20
1,2-Dibromoethane	92		89		70-130	3		20
1,3-Dichloropropane	96		90		70-130	6		20
1,1,1,2-Tetrachloroethane	94		88		64-130	7		20
Bromobenzene	90		88		70-130	2		20
n-Butylbenzene	92		92		53-136	0		20
sec-Butylbenzene	91		88		70-130	3		20
tert-Butylbenzene	91		89		70-130	2		20
o-Chlorotoluene	92		91		70-130	1		20
p-Chlorotoluene	91		92		70-130	1		20
1,2-Dibromo-3-chloropropane	81		85		41-144	5		20
Hexachlorobutadiene	84		82		63-130	2		20
Isopropylbenzene	91		89		70-130	2		20
p-Isopropyltoluene	89		86		70-130	3		20
Naphthalene	78		82		70-130	5		20
n-Propylbenzene	92		89		69-130	3		20
1,2,3-Trichlorobenzene	79		80		70-130	1		20
1,2,4-Trichlorobenzene	80		81		70-130	1		20
1,3,5-Trimethylbenzene	90		90		64-130	0		20
1,2,4-Trimethylbenzene	90		89		70-130	1		20
1,4-Dioxane	170	Q	130		56-162	27	Q	20
p-Diethylbenzene	87		86		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1891070-3 WG1891070-4								
p-Ethyltoluene	91		91		70-130	0		20
1,2,4,5-Tetramethylbenzene	83		84		70-130	1		20
Ethyl ether	100		86		59-134	15		20
trans-1,4-Dichloro-2-butene	84		84		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		100		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	99		101		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1892782-3 WG1892782-4								
Methylene chloride	88		90		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	90		92		70-130	2		20
Carbon tetrachloride	95		93		63-132	2		20
1,2-Dichloropropane	97		96		70-130	1		20
Dibromochloromethane	85		83		63-130	2		20
1,1,2-Trichloroethane	96		92		70-130	4		20
Tetrachloroethene	95		87		70-130	9		20
Chlorobenzene	93		89		75-130	4		20
Trichlorofluoromethane	72		69		62-150	4		20
1,2-Dichloroethane	92		94		70-130	2		20
1,1,1-Trichloroethane	92		94		67-130	2		20
Bromodichloromethane	89		91		67-130	2		20
trans-1,3-Dichloropropene	93		92		70-130	1		20
cis-1,3-Dichloropropene	91		88		70-130	3		20
1,1-Dichloropropene	97		95		70-130	2		20
Bromoform	82		79		54-136	4		20
1,1,2,2-Tetrachloroethane	94		95		67-130	1		20
Benzene	97		95		70-130	2		20
Toluene	97		95		70-130	2		20
Ethylbenzene	96		94		70-130	2		20
Chloromethane	92		87		64-130	6		20
Bromomethane	50		49		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1892782-3 WG1892782-4								
Vinyl chloride	90		88		55-140	2		20
Chloroethane	88		84		55-138	5		20
1,1-Dichloroethene	95		90		61-145	5		20
trans-1,2-Dichloroethene	90		86		70-130	5		20
Trichloroethene	99		97		70-130	2		20
1,2-Dichlorobenzene	90		89		70-130	1		20
1,3-Dichlorobenzene	94		92		70-130	2		20
1,4-Dichlorobenzene	93		90		70-130	3		20
Methyl tert butyl ether	86		87		63-130	1		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	92		91		70-130	1		20
Dibromomethane	82		84		70-130	2		20
1,2,3-Trichloropropane	95		96		64-130	1		20
Acrylonitrile	90		97		70-130	7		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	69		64		36-147	8		20
Acetone	85		96		58-148	12		20
Carbon disulfide	95		90		51-130	5		20
2-Butanone	79		88		63-138	11		20
Vinyl acetate	76		80		70-130	5		20
4-Methyl-2-pentanone	79		81		59-130	3		20
2-Hexanone	78		78		57-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1892782-3 WG1892782-4								
Bromochloromethane	87		89		70-130	2		20
2,2-Dichloropropane	90		90		63-133	0		20
1,2-Dibromoethane	89		87		70-130	2		20
1,3-Dichloropropane	97		94		70-130	3		20
1,1,1,2-Tetrachloroethane	91		87		64-130	4		20
Bromobenzene	90		87		70-130	3		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	100		98		70-130	2		20
tert-Butylbenzene	96		93		70-130	3		20
o-Chlorotoluene	100		99		70-130	1		20
p-Chlorotoluene	100		97		70-130	3		20
1,2-Dibromo-3-chloropropane	82		85		41-144	4		20
Hexachlorobutadiene	95		90		63-130	5		20
Isopropylbenzene	98		95		70-130	3		20
p-Isopropyltoluene	97		94		70-130	3		20
Naphthalene	74		76		70-130	3		20
n-Propylbenzene	100		99		69-130	1		20
1,2,3-Trichlorobenzene	79		83		70-130	5		20
1,2,4-Trichlorobenzene	82		82		70-130	0		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	100		97		70-130	3		20
1,4-Dioxane	72		80		56-162	11		20
p-Diethylbenzene	93		92		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1892782-3 WG1892782-4								
p-Ethyltoluene	100		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	85		86		70-130	1		20
Ethyl ether	75		76		59-134	1		20
trans-1,4-Dichloro-2-butene	96		94		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		108		70-130
Toluene-d8	104		102		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	97		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1891070-6 WG1891070-7 QC Sample: L2410677-01 Client ID: GW_03												
Methylene chloride	ND	10	9.8	98		9.5	95		70-130	3		20
1,1-Dichloroethane	ND	10	11	110		10	100		70-130	10		20
Chloroform	ND	10	10	100		9.8	98		70-130	2		20
Carbon tetrachloride	ND	10	9.8	98		9.4	94		63-132	4		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	9.0	90		8.8	88		63-130	2		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	ND	10	8.8	88		8.8	88		70-130	0		20
Chlorobenzene	ND	10	9.5	95		9.4	94		75-130	1		20
Trichlorofluoromethane	ND	10	10	100		10	100		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		9.7	97		70-130	3		20
1,1,1-Trichloroethane	ND	10	9.9	99		9.6	96		67-130	3		20
Bromodichloromethane	ND	10	9.6	96		9.2	92		67-130	4		20
trans-1,3-Dichloropropene	ND	10	9.1	91		8.8	88		70-130	3		20
cis-1,3-Dichloropropene	ND	10	8.5	85		8.3	83		70-130	2		20
1,1-Dichloropropene	ND	10	9.8	98		9.7	97		70-130	1		20
Bromoform	ND	10	8.5	85		8.5	85		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	11	110		11	110		67-130	0		20
Benzene	2.4	10	12	96		12	96		70-130	0		20
Toluene	ND	10	9.8	98		9.8	98		70-130	0		20
Ethylbenzene	ND	10	9.7	97		9.6	96		70-130	1		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	ND	10	6.4	64		7.1	71		39-139	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1891070-6 WG1891070-7 QC Sample: L2410677-01 Client ID: GW_03												
Vinyl chloride	ND	10	12	120		12	120		55-140	0		20
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	10	100		10	100		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	ND	10	10	100		10	100		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.6	96		9.5	95		70-130	1		20
1,3-Dichlorobenzene	ND	10	9.6	96		9.5	95		70-130	1		20
1,4-Dichlorobenzene	ND	10	9.5	95		9.4	94		70-130	1		20
Methyl tert butyl ether	ND	10	9.6	96		9.4	94		63-130	2		20
p/m-Xylene	ND	20	19	95		19	95		70-130	0		20
o-Xylene	ND	20	19	95		18	90		70-130	5		20
cis-1,2-Dichloroethene	ND	10	9.7	97		9.5	95		70-130	2		20
Dibromomethane	ND	10	9.4	94		9.0	90		70-130	4		20
1,2,3-Trichloropropane	ND	10	10	100		10	100		64-130	0		20
Acrylonitrile	ND	10	11	110		11	110		70-130	0		20
Styrene	ND	20	18	90		18	90		70-130	0		20
Dichlorodifluoromethane	ND	10	9.8	98		9.6	96		36-147	2		20
Acetone	ND	10	14	140		13	130		58-148	7		20
Carbon disulfide	ND	10	10	100		10	100		51-130	0		20
2-Butanone	ND	10	12	120		11	110		63-138	9		20
Vinyl acetate	ND	10	9.8	98		9.5	95		70-130	3		20
4-Methyl-2-pentanone	ND	10	8.5	85		8.3	83		59-130	2		20
2-Hexanone	ND	10	8.5	85		8.4	84		57-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1891070-6 WG1891070-7 QC Sample: L2410677-01 Client ID: GW_03												
Bromochloromethane	ND	10	9.3	93		9.2	92		70-130	1		20
2,2-Dichloropropane	ND	10	9.1	91		9.0	90		63-133	1		20
1,2-Dibromoethane	ND	10	9.2	92		9.0	90		70-130	2		20
1,3-Dichloropropane	ND	10	10	100		9.8	98		70-130	2		20
1,1,1,2-Tetrachloroethane	ND	10	9.4	94		9.3	93		64-130	1		20
Bromobenzene	ND	10	9.2	92		9.0	90		70-130	2		20
n-Butylbenzene	ND	10	10	100		10	100		53-136	0		20
sec-Butylbenzene	ND	10	10	100		9.9	99		70-130	1		20
tert-Butylbenzene	ND	10	9.7	97		9.7	97		70-130	0		20
o-Chlorotoluene	ND	10	10	100		10	100		70-130	0		20
p-Chlorotoluene	ND	10	10	100		9.9	99		70-130	1		20
1,2-Dibromo-3-chloropropane	ND	10	9.0	90		8.8	88		41-144	2		20
Hexachlorobutadiene	ND	10	8.6	86		8.6	86		63-130	0		20
Isopropylbenzene	ND	10	9.7	97		9.8	98		70-130	1		20
p-Isopropyltoluene	ND	10	9.5	95		9.5	95		70-130	0		20
Naphthalene	ND	10	9.4	94		9.3	93		70-130	1		20
n-Propylbenzene	ND	10	10	100		10	100		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	8.6	86		8.5	85		70-130	1		20
1,2,4-Trichlorobenzene	ND	10	8.7	87		8.7	87		70-130	0		20
1,3,5-Trimethylbenzene	ND	10	9.9	99		9.8	98		64-130	1		20
1,2,4-Trimethylbenzene	ND	10	9.9	99		9.8	98		70-130	1		20
1,4-Dioxane	ND	500	690	138		600	120		56-162	14		20
p-Diethylbenzene	ND	10	9.5	95		9.5	95		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1891070-6 WG1891070-7 QC Sample: L2410677-01 Client ID: GW_03												
p-Ethyltoluene	ND	10	9.7	97		9.8	98		70-130	1		20
1,2,4,5-Tetramethylbenzene	ND	10	9.6	96		9.6	96		70-130	0		20
Ethyl ether	ND	10	10	100		10	100		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	10	100		9.7	97		70-130	3		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		109		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		100		70-130
Toluene-d8	103		104		70-130

SEMIVOLATILES

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/05/24 18:59
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 03/05/24 07:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	68		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/24 17:03
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/06/24 09:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.31		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.17		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.09	J	ug/l	0.10	0.01	1
Phenanthrene	0.02	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	57		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
Client ID: DUP_022824
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/05/24 18:35
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 03/05/24 07:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
Client ID: DUP_022824
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	66		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
Client ID: DUP_022824
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/24 17:19
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/06/24 09:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.31		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.18		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.10		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
Client ID: DUP_022824
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	64		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E
Analytical Date: 03/05/24 18:11
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 03/05/24 07:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	68		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/24 01:59
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/05/24 07:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	JB	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	JB	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.02	JB	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	0.01	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	57		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/05/24 06:07
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 03/04/24 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1892048-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/05/24 06:07
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 03/04/24 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1892048-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/05/24 06:07
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 03/04/24 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1892048-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	51		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/05/24 09:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/04/24 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG1892049-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.09	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.18		ug/l	0.10	0.05
Benzo(a)anthracene	0.11		ug/l	0.10	0.02
Benzo(a)pyrene	0.07	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.15		ug/l	0.10	0.01
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.01
Chrysene	0.12		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.08	J	ug/l	0.10	0.01
Fluorene	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.03	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.08	J	ug/l	0.10	0.01
Pyrene	0.10		ug/l	0.10	0.02
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/05/24 09:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/04/24 19:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG1892049-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	84		41-149

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/24 09:29
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/05/24 23:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1892593-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.02	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/06/24 09:29
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 03/05/24 23:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1892593-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	64		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1892048-2 WG1892048-3								
Acenaphthene	65		68		37-111	5		30
1,2,4-Trichlorobenzene	68		72		39-98	6		30
Hexachlorobenzene	72		74		40-140	3		30
Bis(2-chloroethyl)ether	66		71		40-140	7		30
2-Chloronaphthalene	69		72		40-140	4		30
1,2-Dichlorobenzene	62		67		40-140	8		30
1,3-Dichlorobenzene	62		65		40-140	5		30
1,4-Dichlorobenzene	62		66		36-97	6		30
3,3'-Dichlorobenzidine	69		75		40-140	8		30
2,4-Dinitrotoluene	82		84		48-143	2		30
2,6-Dinitrotoluene	83		85		40-140	2		30
Fluoranthene	70		72		40-140	3		30
4-Chlorophenyl phenyl ether	76		78		40-140	3		30
4-Bromophenyl phenyl ether	76		76		40-140	0		30
Bis(2-chloroisopropyl)ether	70		79		40-140	12		30
Bis(2-chloroethoxy)methane	68		76		40-140	11		30
Hexachlorobutadiene	71		73		40-140	3		30
Hexachlorocyclopentadiene	61		63		40-140	3		30
Hexachloroethane	61		66		40-140	8		30
Isophorone	65		72		40-140	10		30
Naphthalene	66		71		40-140	7		30
Nitrobenzene	69		75		40-140	8		30
NDPA/DPA	71		72		40-140	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1892048-2 WG1892048-3								
n-Nitrosodi-n-propylamine	66		74		29-132	11		30
Bis(2-ethylhexyl)phthalate	77		83		40-140	8		30
Butyl benzyl phthalate	65		65		40-140	0		30
Di-n-butylphthalate	67		67		40-140	0		30
Di-n-octylphthalate	73		82		40-140	12		30
Diethyl phthalate	73		71		40-140	3		30
Dimethyl phthalate	76		76		40-140	0		30
Benzo(a)anthracene	77		80		40-140	4		30
Benzo(a)pyrene	82		87		40-140	6		30
Benzo(b)fluoranthene	78		79		40-140	1		30
Benzo(k)fluoranthene	78		82		40-140	5		30
Chrysene	81		80		40-140	1		30
Acenaphthylene	66		66		45-123	0		30
Anthracene	72		73		40-140	1		30
Benzo(ghi)perylene	85		89		40-140	5		30
Fluorene	72		72		40-140	0		30
Phenanthrene	71		74		40-140	4		30
Dibenzo(a,h)anthracene	88		93		40-140	6		30
Indeno(1,2,3-cd)pyrene	99		103		40-140	4		30
Pyrene	71		70		26-127	1		30
Biphenyl	71		75		40-140	5		30
4-Chloroaniline	65		65		40-140	0		30
2-Nitroaniline	83		84		52-143	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1892048-2 WG1892048-3								
3-Nitroaniline	73		72		25-145	1		30
4-Nitroaniline	72		73		51-143	1		30
Dibenzofuran	71		73		40-140	3		30
2-Methylnaphthalene	73		79		40-140	8		30
1,2,4,5-Tetrachlorobenzene	76		80		2-134	5		30
Acetophenone	61		69		39-129	12		30
2,4,6-Trichlorophenol	83		86		30-130	4		30
p-Chloro-m-cresol	75		75		23-97	0		30
2-Chlorophenol	64		73		27-123	13		30
2,4-Dichlorophenol	69		76		30-130	10		30
2,4-Dimethylphenol	54		58		30-130	7		30
2-Nitrophenol	81		90		30-130	11		30
4-Nitrophenol	65		64		10-80	2		30
2,4-Dinitrophenol	39		40		20-130	3		30
4,6-Dinitro-o-cresol	93		90		20-164	3		30
Pentachlorophenol	50		49		9-103	2		30
Phenol	50		53		12-110	6		30
2-Methylphenol	63		68		30-130	8		30
3-Methylphenol/4-Methylphenol	70		73		30-130	4		30
2,4,5-Trichlorophenol	82		80		30-130	2		30
Benzoic Acid	0	Q	0	Q	10-164	NC		30
Benzyl Alcohol	62		68		26-116	9		30
Carbazole	69		68		55-144	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1892048-2 WG1892048-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		59		21-120
Phenol-d6	50		54		10-120
Nitrobenzene-d5	71		78		23-120
2-Fluorobiphenyl	73		75		15-120
2,4,6-Tribromophenol	74		72		10-120
4-Terphenyl-d14	69		67		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG1892049-2 WG1892049-3								
Acenaphthene	64		71		40-140	10		40
2-Chloronaphthalene	60		67		40-140	11		40
Fluoranthene	65		69		40-140	6		40
Hexachlorobutadiene	65		70		40-140	7		40
Naphthalene	60		68		40-140	13		40
Benzo(a)anthracene	83		89		40-140	7		40
Benzo(a)pyrene	70		75		40-140	7		40
Benzo(b)fluoranthene	72		77		40-140	7		40
Benzo(k)fluoranthene	72		75		40-140	4		40
Chrysene	76		83		40-140	9		40
Acenaphthylene	61		68		40-140	11		40
Anthracene	70		75		40-140	7		40
Benzo(ghi)perylene	71		79		40-140	11		40
Fluorene	66		72		40-140	9		40
Phenanthrene	68		73		40-140	7		40
Dibenzo(a,h)anthracene	72		79		40-140	9		40
Indeno(1,2,3-cd)pyrene	78		87		40-140	11		40
Pyrene	64		68		40-140	6		40
2-Methylnaphthalene	59		66		40-140	11		40
Pentachlorophenol	40		43		40-140	7		40
Hexachlorobenzene	68		73		40-140	7		40
Hexachloroethane	59		63		40-140	7		40

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG1892049-2 WG1892049-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		62		21-120
Phenol-d6	48		53		10-120
Nitrobenzene-d5	66		75		23-120
2-Fluorobiphenyl	60		65		15-120
2,4,6-Tribromophenol	79		83		10-120
4-Terphenyl-d14	54		55		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1892593-2 WG1892593-3								
Acenaphthene	66		75		40-140	13		40
2-Chloronaphthalene	66		73		40-140	10		40
Fluoranthene	70		82		40-140	16		40
Hexachlorobutadiene	62		69		40-140	11		40
Naphthalene	62		68		40-140	9		40
Benzo(a)anthracene	70		79		40-140	12		40
Benzo(a)pyrene	75		85		40-140	13		40
Benzo(b)fluoranthene	74		83		40-140	11		40
Benzo(k)fluoranthene	82		86		40-140	5		40
Chrysene	68		79		40-140	15		40
Acenaphthylene	68		74		40-140	8		40
Anthracene	70		80		40-140	13		40
Benzo(ghi)perylene	60		75		40-140	22		40
Fluorene	72		80		40-140	11		40
Phenanthrene	66		75		40-140	13		40
Dibenzo(a,h)anthracene	69		85		40-140	21		40
Indeno(1,2,3-cd)pyrene	70		86		40-140	21		40
Pyrene	72		84		40-140	15		40
2-Methylnaphthalene	67		74		40-140	10		40
Pentachlorophenol	70		84		40-140	18		40
Hexachlorobenzene	69		79		40-140	14		40
Hexachloroethane	64		71		40-140	10		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1892593-2 WG1892593-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		66		21-120
Phenol-d6	57		60		10-120
Nitrobenzene-d5	81		88		23-120
2-Fluorobiphenyl	68		73		15-120
2,4,6-Tribromophenol	96		105		10-120
4-Terphenyl-d14	71		83		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1892048-6 WG1892048-7 QC Sample: L2410677-01 Client ID: GW_03												
1,2,4-Trichlorobenzene	ND	18.2	13	72		12	66		39-98	8		30
Bis(2-chloroethyl)ether	ND	18.2	13	72		12	66		40-140	8		30
1,2-Dichlorobenzene	ND	18.2	12	66		11	61		40-140	9		30
1,3-Dichlorobenzene	ND	18.2	12	66		11	61		40-140	9		30
1,4-Dichlorobenzene	ND	18.2	12	66		11	61		36-97	9		30
3,3'-Dichlorobenzidine	ND	18.2	ND	0	Q	ND	0	Q	40-140	NC		30
2,4-Dinitrotoluene	ND	18.2	15	83		14	77		48-143	7		30
2,6-Dinitrotoluene	ND	18.2	15	83		15	83		40-140	0		30
4-Chlorophenyl phenyl ether	ND	18.2	13	72		12	66		40-140	8		30
4-Bromophenyl phenyl ether	ND	18.2	13	72		12	66		40-140	8		30
Bis(2-chloroisopropyl)ether	ND	18.2	14	77		12	66		40-140	15		30
Bis(2-chloroethoxy)methane	ND	18.2	14	77		12	66		40-140	15		30
Hexachlorocyclopentadiene	ND	18.2	9.9J	54		9.9J	54		40-140	0		30
Isophorone	ND	18.2	13	72		12	66		40-140	8		30
Nitrobenzene	ND	18.2	15	83		15	83		40-140	0		30
NDPA/DPA	ND	18.2	12	66		12	66		40-140	0		30
n-Nitrosodi-n-propylamine	ND	18.2	13	72		12	66		29-132	8		30
Bis(2-ethylhexyl)phthalate	ND	18.2	13	72		12	66		40-140	8		30
Butyl benzyl phthalate	ND	18.2	13	72		12	66		40-140	8		30
Di-n-butylphthalate	ND	18.2	12	66		11	61		40-140	9		30
Di-n-octylphthalate	ND	18.2	14	77		13	72		40-140	7		30
Diethyl phthalate	ND	18.2	12	66		11	61		40-140	9		30
Dimethyl phthalate	ND	18.2	13	72		13	72		40-140	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1892048-6 WG1892048-7 QC Sample: L2410677-01 Client ID: GW_03												
Biphenyl	ND	18.2	13	72		12	66		40-140	8		30
4-Chloroaniline	ND	18.2	13	72		12	66		40-140	8		30
2-Nitroaniline	ND	18.2	14	77		11	61		52-143	24		30
3-Nitroaniline	ND	18.2	12	66		9.8	54		25-145	20		30
4-Nitroaniline	ND	18.2	10	55		5.3	29	Q	51-143	61	Q	30
Dibenzofuran	ND	18.2	13	72		11	61		40-140	17		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	13	72		12	66		2-134	8		30
Acetophenone	ND	18.2	12	66		11	61		39-129	9		30
2,4,6-Trichlorophenol	ND	18.2	15	83		15	83		30-130	0		30
p-Chloro-m-cresol	ND	18.2	14	77		14	77		23-97	0		30
2-Chlorophenol	ND	18.2	13	72		12	66		27-123	8		30
2,4-Dichlorophenol	ND	18.2	14	77		13	72		30-130	7		30
2,4-Dimethylphenol	ND	18.2	10	55		10	55		30-130	0		30
2-Nitrophenol	ND	18.2	17	94		16	88		30-130	6		30
4-Nitrophenol	ND	18.2	14	77		14	77		10-80	0		30
2,4-Dinitrophenol	ND	18.2	19.J	100		19.J	100		20-130	0		30
4,6-Dinitro-o-cresol	ND	18.2	19	100		18	99		20-164	5		30
Phenol	ND	18.2	11	61		10	55		12-110	10		30
2-Methylphenol	ND	18.2	12	66		12	66		30-130	0		30
3-Methylphenol/4-Methylphenol	ND	18.2	14	77		13	72		30-130	7		30
2,4,5-Trichlorophenol	ND	18.2	15	83		15	83		30-130	0		30
Benzoic Acid	ND	18.2	19.J	100		19.J	100		10-164	0		30
Benzyl Alcohol	ND	18.2	13	72		12	66		26-116	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1892048-6 WG1892048-7 QC Sample: L2410677-01 Client ID: GW_03												
Carbazole	ND	18.2	12	66		12	66		55-144	0		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	71		66		10-120
2-Fluorobiphenyl	70		65		15-120
2-Fluorophenol	67		60		21-120
4-Terphenyl-d14	66		63		41-149
Nitrobenzene-d5	75		68		23-120
Phenol-d6	57		55		10-120

METALS

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.140		mg/l	0.0100	0.00327	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00972		mg/l	0.00100	0.00016	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Barium, Total	0.08406		mg/l	0.00050	0.00017	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Calcium, Total	111.		mg/l	1.00	0.394	10	03/04/24 16:35	03/05/24 19:28	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00266		mg/l	0.00100	0.00017	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00049	J	mg/l	0.00050	0.00016	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Copper, Total	0.00077	J	mg/l	0.00100	0.00038	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Iron, Total	0.955		mg/l	0.0500	0.0191	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Lead, Total	0.00044	J	mg/l	0.00100	0.00034	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Magnesium, Total	18.4		mg/l	0.700	0.242	10	03/04/24 16:35	03/05/24 19:28	EPA 3005A	1,6020B	EJF
Manganese, Total	0.4286		mg/l	0.00100	0.00044	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/04/24 15:25	03/05/24 10:40	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00150	J	mg/l	0.00200	0.00055	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Potassium, Total	66.5		mg/l	1.00	0.309	10	03/04/24 16:35	03/05/24 19:28	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Sodium, Total	194.		mg/l	0.100	0.0293	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Vanadium, Total	0.00284	J	mg/l	0.00500	0.00157	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/04/24 16:35	03/05/24 15:05	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00085	J	mg/l	0.00400	0.00042	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.01035		mg/l	0.00050	0.00016	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.07261		mg/l	0.00050	0.00017	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-01
Client ID: GW_03
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:50
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	127.		mg/l	1.00	0.394	10	03/05/24 15:09	03/06/24 15:22	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	0.00101		mg/l	0.00100	0.00017	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00045	J	mg/l	0.00050	0.00016	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.0600		mg/l	0.0500	0.0191	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Lead, Dissolved	0.00051	J	mg/l	0.00500	0.00034	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	21.5		mg/l	0.700	0.242	10	03/05/24 15:09	03/06/24 15:22	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.4658		mg/l	0.00100	0.00044	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	0.00020		mg/l	0.00020	0.00009	1	03/05/24 15:55	03/06/24 12:22	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00131	J	mg/l	0.00200	0.00055	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	67.5		mg/l	1.00	0.309	10	03/05/24 15:09	03/06/24 15:22	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	249.		mg/l	1.00	0.293	10	03/05/24 15:09	03/06/24 15:22	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	0.00037	J	mg/l	0.00100	0.00014	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	0.00261	J	mg/l	0.00500	0.00157	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	03/05/24 15:09	03/06/24 14:16	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
 Client ID: DUP_022824
 Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
 Date Received: 02/28/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.147		mg/l	0.0100	0.00327	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.01135		mg/l	0.00100	0.00016	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Barium, Total	0.09820		mg/l	0.00050	0.00017	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Calcium, Total	120.		mg/l	1.00	0.394	10	03/04/24 16:35	03/05/24 18:44	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00240		mg/l	0.00100	0.00017	1	03/04/24 16:35	03/05/24 18:40	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00047	J	mg/l	0.00050	0.00016	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Copper, Total	0.00075	J	mg/l	0.00100	0.00038	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Iron, Total	1.14		mg/l	0.0500	0.0191	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Lead, Total	0.00034	J	mg/l	0.00100	0.00034	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Magnesium, Total	20.4		mg/l	0.700	0.242	10	03/04/24 16:35	03/05/24 18:44	EPA 3005A	1,6020B	EJF
Manganese, Total	0.5263		mg/l	0.00100	0.00044	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/04/24 15:25	03/06/24 11:02	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00171	J	mg/l	0.00200	0.00055	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Potassium, Total	64.6		mg/l	1.00	0.309	10	03/04/24 16:35	03/05/24 18:44	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Sodium, Total	230.		mg/l	1.00	0.293	10	03/04/24 16:35	03/05/24 18:44	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Vanadium, Total	0.00301	J	mg/l	0.00500	0.00157	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/04/24 16:35	03/05/24 07:49	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00351	J	mg/l	0.0100	0.00327	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00886		mg/l	0.00050	0.00016	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.06538		mg/l	0.00050	0.00017	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-02
Client ID: DUP_022824
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 08:55
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	113.		mg/l	1.00	0.394	10	03/05/24 15:09	03/06/24 15:31	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	0.00098	J	mg/l	0.00100	0.00017	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00040	J	mg/l	0.00050	0.00016	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.00051	J	mg/l	0.00100	0.00038	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.0454	J	mg/l	0.0500	0.0191	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Lead, Dissolved	0.00091	J	mg/l	0.00500	0.00034	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	19.3		mg/l	0.700	0.242	10	03/05/24 15:09	03/06/24 15:31	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.4087		mg/l	0.00100	0.00044	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	0.00009	J	mg/l	0.00020	0.00009	1	03/05/24 15:55	03/06/24 12:50	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	0.00123	J	mg/l	0.00200	0.00055	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	62.3		mg/l	1.00	0.309	10	03/05/24 15:09	03/06/24 15:31	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	217.		mg/l	1.00	0.293	10	03/05/24 15:09	03/06/24 15:31	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	0.00235	J	mg/l	0.00500	0.00157	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	03/05/24 15:09	03/06/24 13:10	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00100	0.00016	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Barium, Total	0.00027	J	mg/l	0.00050	0.00017	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Calcium, Total	0.0550	J	mg/l	0.100	0.0394	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/04/24 15:25	03/06/24 11:05	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Sodium, Total	0.187		mg/l	0.100	0.0293	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/04/24 16:35	03/05/24 14:43	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.00032	J	mg/l	0.00050	0.00017	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

SAMPLE RESULTS

Lab ID: L2410677-03
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY 11101

Date Collected: 02/28/24 09:00
Date Received: 02/28/24
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	0.188		mg/l	0.100	0.0394	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.0285	J	mg/l	0.0500	0.0191	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Lead, Dissolved	0.00071	J	mg/l	0.00500	0.00034	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.00084	J	mg/l	0.00100	0.00044	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	0.00009	J	mg/l	0.00020	0.00009	1	03/05/24 15:55	03/06/24 12:53	EPA 7470A	1,7470A	GMG
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	0.418		mg/l	0.100	0.0293	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	03/05/24 15:09	03/06/24 13:48	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1891910-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00100	0.00016	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Sodium, Total	ND		mg/l	0.100	0.0293	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/04/24 16:35	03/05/24 07:14	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1891933-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/04/24 15:25	03/05/24 10:16	1,7470A	GMG

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1892237-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Lead, Dissolved	0.00097	J	mg/l	0.00500	0.00034	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	03/05/24 15:09	03/06/24 13:44	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A



Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1892240-1										
Mercury, Dissolved	0.00011	J	mg/l	0.00020	0.00009	1	03/05/24 15:55	03/06/24 12:15	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1891910-2								
Aluminum, Total	108		-		80-120	-		
Antimony, Total	81		-		80-120	-		
Arsenic, Total	106		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	116		-		80-120	-		
Cadmium, Total	105		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Cobalt, Total	105		-		80-120	-		
Copper, Total	110		-		80-120	-		
Iron, Total	110		-		80-120	-		
Lead, Total	99		-		80-120	-		
Magnesium, Total	99		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Nickel, Total	110		-		80-120	-		
Potassium, Total	100		-		80-120	-		
Selenium, Total	99		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	97		-		80-120	-		
Vanadium, Total	107		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1891910-2					
Zinc, Total	109	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1891933-2					
Mercury, Total	112	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1892237-2					
Aluminum, Dissolved	98	-	80-120	-	
Antimony, Dissolved	86	-	80-120	-	
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	97	-	80-120	-	
Beryllium, Dissolved	105	-	80-120	-	
Cadmium, Dissolved	102	-	80-120	-	
Calcium, Dissolved	102	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	105	-	80-120	-	
Copper, Dissolved	105	-	80-120	-	
Iron, Dissolved	108	-	80-120	-	
Lead, Dissolved	114	-	80-120	-	
Magnesium, Dissolved	100	-	80-120	-	
Manganese, Dissolved	100	-	80-120	-	
Nickel, Dissolved	104	-	80-120	-	
Potassium, Dissolved	97	-	80-120	-	
Selenium, Dissolved	106	-	80-120	-	
Silver, Dissolved	100	-	80-120	-	
Sodium, Dissolved	101	-	80-120	-	
Thallium, Dissolved	108	-	80-120	-	
Vanadium, Dissolved	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1892237-2					
Zinc, Dissolved	106	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1892240-2					
Mercury, Dissolved	109	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1891910-3		WG1891910-4	QC Sample: L2410449-01			Client ID: MS Sample			
Aluminum, Total	0.00976J	2	2.17	108		2.14	107		75-125	1		20
Antimony, Total	ND	0.5	0.3788	76		0.3777	76		75-125	0		20
Arsenic, Total	0.00060J	0.12	0.1143	95		0.1175	98		75-125	3		20
Barium, Total	0.1084	2	2.119	100		2.112	100		75-125	0		20
Beryllium, Total	ND	0.05	0.05603	112		0.05601	112		75-125	0		20
Cadmium, Total	0.00011J	0.053	0.05648	106		0.05711	108		75-125	1		20
Calcium, Total	27.8	10	40.6	128	Q	39.1	113		75-125	4		20
Chromium, Total	0.01817	0.2	0.2273	104		0.2372	110		75-125	4		20
Cobalt, Total	0.00050	0.5	0.5333	106		0.5294	106		75-125	1		20
Copper, Total	0.00098J	0.25	0.2776	111		0.2709	108		75-125	2		20
Iron, Total	0.109	1	1.30	119		1.24	113		75-125	5		20
Lead, Total	ND	0.53	0.5328	100		0.5334	101		75-125	0		20
Magnesium, Total	44.9	10	54.8	99		55.5	106		75-125	1		20
Manganese, Total	0.1552	0.5	0.6815	105		0.6917	107		75-125	1		20
Nickel, Total	0.02714	0.5	0.5649	108		0.5664	108		75-125	0		20
Potassium, Total	4.15	10	14.3	102		14.5	104		75-125	1		20
Selenium, Total	0.00191J	0.12	0.118	98		0.125	104		75-125	6		20
Silver, Total	ND	0.05	0.05156	103		0.05127	102		75-125	1		20
Sodium, Total	136.	10	149	130	Q	148	120		75-125	1		20
Thallium, Total	ND	0.12	0.1189	99		0.1182	98		75-125	1		20
Vanadium, Total	ND	0.5	0.5288	106		0.5332	107		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1891910-3 WG1891910-4 QC Sample: L2410449-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5448	109	0.5433	109	75-125	0	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1891910-7 WG1891910-8 QC Sample: L2410677-01 Client ID: GW_03									
Aluminum, Total	0.140	2	2.12	99	2.20	103	75-125	4	20
Antimony, Total	ND	0.5	0.4841	97	0.4859	97	75-125	0	20
Arsenic, Total	0.00972	0.12	0.1298	100	0.1316	102	75-125	1	20
Barium, Total	0.08406	2	2.054	98	2.075	100	75-125	1	20
Beryllium, Total	ND	0.05	0.05241	105	0.05100	102	75-125	3	20
Cadmium, Total	ND	0.053	0.05536	104	0.05627	106	75-125	2	20
Calcium, Total	111.	10	123	120	125	140	Q 75-125	2	20
Chromium, Total	0.00266	0.2	0.1946	96	0.2022	100	75-125	4	20
Cobalt, Total	0.00049J	0.5	0.4903	98	0.5212	104	75-125	6	20
Copper, Total	0.00077J	0.25	0.2570	103	0.2636	105	75-125	3	20
Iron, Total	0.955	1	2.20	124	2.07	112	75-125	6	20
Lead, Total	0.00044J	0.53	0.5680	107	0.5743	108	75-125	1	20
Magnesium, Total	18.4	10	28.0	96	29.4	110	75-125	5	20
Manganese, Total	0.4286	0.5	0.9219	99	0.9526	105	75-125	3	20
Nickel, Total	0.00150J	0.5	0.5064	101	0.5201	104	75-125	3	20
Potassium, Total	66.5	10	76.1	96	79.4	129	Q 75-125	4	20
Selenium, Total	ND	0.12	0.127	106	0.126	105	75-125	1	20
Silver, Total	ND	0.05	0.05010	100	0.04961	99	75-125	1	20
Sodium, Total	194.	10	208	140	Q 220	260	Q 75-125	6	20
Thallium, Total	ND	0.12	0.1243	104	0.1270	106	75-125	2	20
Vanadium, Total	0.00284J	0.5	0.4805	96	0.5075	102	75-125	5	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1891910-7		WG1891910-8	QC Sample: L2410677-01		Client ID: GW_03	
Zinc, Total	ND	0.5	0.5112	102	0.5255	105	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1891933-3		WG1891933-4	QC Sample: L2410449-01		Client ID: MS Sample	
Mercury, Total	ND	0.005	0.00563	113	0.00572	114	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1891933-5		WG1891933-6	QC Sample: L2410677-01		Client ID: GW_03	
Mercury, Total	ND	0.005	0.00574	115	0.00572	114	75-125	0	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892237-3 WG1892237-4 QC Sample: L2410677-01 Client ID: GW_03									
Aluminum, Dissolved	ND	2	1.67	84	1.72	86	75-125	3	20
Antimony, Dissolved	0.00085J	0.5	0.4614	92	0.4470	89	75-125	3	20
Arsenic, Dissolved	0.01035	0.12	0.1245	95	0.1291	99	75-125	4	20
Barium, Dissolved	0.07261	2	1.871	90	1.883	90	75-125	1	20
Beryllium, Dissolved	ND	0.05	0.04819	96	0.04974	99	75-125	3	20
Cadmium, Dissolved	ND	0.053	0.04888	92	0.04975	94	75-125	2	20
Calcium, Dissolved	127.	10	130	30	Q 116	0	Q 75-125	11	20
Chromium, Dissolved	0.00101	0.2	0.1794	89	0.1824	91	75-125	2	20
Cobalt, Dissolved	0.00045J	0.5	0.4611	92	0.4723	94	75-125	2	20
Copper, Dissolved	ND	0.25	0.2352	94	0.2413	96	75-125	3	20
Iron, Dissolved	0.0600	1	0.961	90	0.982	92	75-125	2	20
Lead, Dissolved	0.00051J	0.53	0.5370	101	0.5493	104	75-125	2	20
Magnesium, Dissolved	21.5	10	29.3	78	26.8	53	Q 75-125	9	20
Manganese, Dissolved	0.4658	0.5	0.9032	87	0.8825	83	75-125	2	20
Nickel, Dissolved	0.00131J	0.5	0.4683	94	0.4649	93	75-125	1	20
Potassium, Dissolved	67.5	10	72.6	51	Q 75.6	81	75-125	4	20
Selenium, Dissolved	ND	0.12	0.110	92	0.116	97	75-125	5	20
Silver, Dissolved	ND	0.05	0.04672	93	0.04606	92	75-125	1	20
Sodium, Dissolved	249.	10	252	30	Q 207	0	Q 75-125	20	20
Thallium, Dissolved	0.00037J	0.12	0.1175	98	0.1207	100	75-125	3	20
Vanadium, Dissolved	0.00261J	0.5	0.4412	88	0.4529	90	75-125	3	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892237-3 WG1892237-4 QC Sample: L2410677-01 Client ID: GW_03									
Zinc, Dissolved	ND	0.5	0.4767	95	0.4919	98	75-125	3	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892237-7 WG1892237-8 QC Sample: L2410868-01 Client ID: MS Sample									
Aluminum, Dissolved	0.00877J	2	1.87	94	1.78	89	75-125	5	20
Antimony, Dissolved	ND	0.5	0.4491	90	0.4362	87	75-125	3	20
Arsenic, Dissolved	0.00057	0.12	0.1240	103	0.1161	96	75-125	7	20
Barium, Dissolved	0.2362	2	2.195	98	2.085	92	75-125	5	20
Beryllium, Dissolved	ND	0.05	0.04888	98	0.04880	98	75-125	0	20
Cadmium, Dissolved	ND	0.053	0.05330	100	0.04960	94	75-125	7	20
Calcium, Dissolved	135.	10	139	40	Q 131	0	Q 75-125	6	20
Chromium, Dissolved	ND	0.2	0.1894	95	0.1807	90	75-125	5	20
Cobalt, Dissolved	0.00065	0.5	0.4901	98	0.4654	93	75-125	5	20
Copper, Dissolved	0.00071J	0.25	0.2492	100	0.2371	95	75-125	5	20
Iron, Dissolved	ND	1	1.04	104	0.955	96	75-125	9	20
Lead, Dissolved	0.00049J	0.53	0.5932	112	0.5622	106	75-125	5	20
Magnesium, Dissolved	36.1	10	44.3	82	42.8	67	Q 75-125	3	20
Manganese, Dissolved	1.504	0.5	2.081	115	2.020	103	75-125	3	20
Nickel, Dissolved	0.00131J	0.5	0.4988	100	0.4734	95	75-125	5	20
Potassium, Dissolved	4.23	10	14.2	100	13.4	92	75-125	6	20
Selenium, Dissolved	ND	0.12	0.120	100	0.112	93	75-125	7	20
Silver, Dissolved	ND	0.05	0.04928	98	0.04713	94	75-125	4	20
Sodium, Dissolved	220.	10	222	20	Q 210	0	Q 75-125	6	20
Thallium, Dissolved	ND	0.12	0.1284	107	0.1226	102	75-125	5	20
Vanadium, Dissolved	ND	0.5	0.4699	94	0.4523	90	75-125	4	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892237-7 WG1892237-8 QC Sample: L2410868-01 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.5051	101	0.4837	97	75-125	4	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892240-3 WG1892240-4 QC Sample: L2410677-01 Client ID: GW_03									
Mercury, Dissolved	0.00020	0.005	0.00495	95	0.00476	91	75-125	4	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892240-5 WG1892240-6 QC Sample: L2410868-01 Client ID: MS Sample									
Mercury, Dissolved	0.00011J	0.005	0.00475	95	0.00484	97	75-125	2	20

Project Name: VOREA
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**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2410677
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Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1891910-6 QC Sample: L2410449-01 Client ID: DUP Sample						
Barium, Total	0.1084	0.09797	mg/l	10		20
Calcium, Total	27.8	30.4	mg/l	9		20
Manganese, Total	0.1552	0.1604	mg/l	3		20
Potassium, Total	4.15	4.31	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1891910-6 QC Sample: L2410449-01 Client ID: DUP Sample						
Magnesium, Total	44.9	45.9	mg/l	2		20
Sodium, Total	136.	141.	mg/l	4		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892237-10 QC Sample: L2410868-01 Client ID: DUP Sample						
Barium, Dissolved	0.2362	0.2248	mg/l	5		20
Manganese, Dissolved	1.504	1.489	mg/l	1		20
Potassium, Dissolved	4.23	4.06	mg/l	4		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892237-10 QC Sample: L2410868-01 Client ID: DUP Sample						
Calcium, Dissolved	135.	123.	mg/l	9		20
Magnesium, Dissolved	36.1	33.6	mg/l	7		20
Sodium, Dissolved	220.	191.	mg/l	13		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892237-6 QC Sample: L2410677-01 Client ID: GW_03						
Barium, Dissolved	0.07261	0.07555	mg/l	4		20
Manganese, Dissolved	0.4658	0.4880	mg/l	5		20

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**Lab Serial Dilution
Analysis**
Batch Quality Control

Lab Number: L2410677
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Parameter	Native Sample	Serial Dilution	Units	% D	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1892237-6 QC Sample: L2410677-01 Client ID: GW_03					
Calcium, Dissolved	127.	139.	mg/l	9	20
Magnesium, Dissolved	21.5	22.6	mg/l	5	20
Potassium, Dissolved	67.5	72.6	mg/l	8	20
Sodium, Dissolved	249.	254.	mg/l	2	20

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2410677-01A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01A1	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01A2	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01B1	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01B2	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01C1	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01C2	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-01D	Plastic 250ml unpreserved	A	7	7	3.2	Y	Absent		-
L2410677-01D1	Plastic 250ml unpreserved	A	7	7	3.2	Y	Absent		-
L2410677-01D2	Plastic 250ml unpreserved	A	7	7	3.2	Y	Absent		-
L2410677-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),MG-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2410677-01E1	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),MG-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2410677-01E2	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),MG-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2410677-01F	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-01F1	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-01F2	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-01G	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-01G1	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-01G2	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.2	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2410677-01X1	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.2	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2410677-01X2	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.2	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2410677-02A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2410677-02B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-02C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-02D	Plastic 250ml unpreserved	A	7	7	3.2	Y	Absent		-
L2410677-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2410677-02F	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-02G	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.2	Y	Absent		CU-6020S(180),V-6020S(180),SE-6020S(180),K-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2410677-03A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-03B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-03C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-03D	Plastic 250ml unpreserved	A	7	7	3.2	Y	Absent		-
L2410677-03E	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2410677-03F	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2410677-03G	Amber 250ml unpreserved	A	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2410677-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.2	Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2410677-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L2410677-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 20

Published Date: 6/16/2023 4:52:28 PM

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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ANALYTICAL REPORT

Lab Number:	L2424755
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Alexander Policastro
Phone:	(631) 630-2383
Project Name:	VOREA
Project Number:	2887.0004Y000
Report Date:	05/15/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2424755-01	GW-04	WATER	2-33 50TH AVE, L/C NY	05/06/24 09:45	05/06/24
L2424755-02	GW-02	WATER	2-33 50TH AVE, L/C NY	05/06/24 10:45	05/06/24
L2424755-03	GW-07	WATER	2-33 50TH AVE, L/C NY	05/06/24 11:45	05/06/24
L2424755-04	GW-05	WATER	2-33 50TH AVE, L/C NY	05/06/24 11:00	05/06/24
L2424755-05	GW-01	WATER	2-33 50TH AVE, L/C NY	05/06/24 09:55	05/06/24
L2424755-06	DUP-050624	WATER	2-33 50TH AVE, L/C NY	05/06/24 12:00	05/06/24
L2424755-07	GW-03	WATER	2-33 50TH AVE, L/C NY	05/06/24 08:50	05/06/24
L2424755-08	GW-06	WATER	2-33 50TH AVE, L/C NY	05/06/24 12:05	05/06/24
L2424755-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE, L/C NY	05/06/24 00:00	05/06/24
L2424755-10	FIELD BLANK	FIELD BLANK	2-33 50TH AVE, L/C NY	05/06/24 11:30	05/06/24

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2424755-07D and -08D: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

Semivolatile Organics by SIM

The WG1918847-1 Method Blank, associated with L2424755-01, -02, -03, -04, -05, -06, and -10, has a concentration above the reporting limit for naphthalene. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Total Metals

L2424755-10: The Field Blank has concentrations above the reporting limit for calcium and sodium. The results were confirmed.

The WG1919029-3/-4 MS/MSD recoveries for calcium (42%/51%) and sodium (MSD 20%), performed on L2424755-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1919029-3/-4 MS/MSD recoveries, performed on L2424755-01, are outside the acceptance criteria for potassium (73%/69%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

L2424755-10: The Field Blank has a concentration above the reporting limit for sodium. The result was confirmed.

L2424755-10: The dissolved result is greater than the total result for sodium. The sample containers were

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Case Narrative (continued)

verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.

The WG1920235-3/-4 MS/MSD recoveries for calcium (70%/60%) and potassium (MSD 58%), performed on L2424755-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

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

Authorized Signature:  Kelly O'Neill

Title: Technical Director/Representative

Date: 05/15/24

ORGANICS

VOLATILES

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/24 21:50
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/24 22:13
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.32	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.42	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
Client ID: GW-07
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/24 22:35
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
Client ID: GW-07
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
Client ID: GW-07
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/24 22:57
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
Client ID: GW-01
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/24 23:20
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
Client ID: GW-01
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
Client ID: GW-01
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
Client ID: DUP-050624
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/09/24 23:42
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
Client ID: DUP-050624
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
Client ID: DUP-050624
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07 D
Client ID: GW-03
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/10/24 00:04
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	5.9		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07 D
Client ID: GW-03
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	0.33	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07 D
Client ID: GW-03
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	110		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08 D
Client ID: GW-06
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 05/10/24 00:27
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08 **D**
Client ID: GW-06
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	0.33	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08 D
Client ID: GW-06
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	112		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-09
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 00:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 05/09/24 21:28
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-09
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 00:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-09
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 00:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8260D
Analytical Date: 05/09/24 21:06
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/09/24 20:43
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1919550-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/09/24 20:43
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1919550-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/09/24 20:43
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1919550-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1919550-3 WG1919550-4								
Methylene chloride	85		73		70-130	15		20
1,1-Dichloroethane	86		73		70-130	16		20
Chloroform	100		90		70-130	11		20
Carbon tetrachloride	100		88		63-132	13		20
1,2-Dichloropropane	84		71		70-130	17		20
Dibromochloromethane	100		92		63-130	8		20
1,1,2-Trichloroethane	110		96		70-130	14		20
Tetrachloroethene	110		91		70-130	19		20
Chlorobenzene	100		89		75-130	12		20
Trichlorofluoromethane	110		95		62-150	15		20
1,2-Dichloroethane	98		86		70-130	13		20
1,1,1-Trichloroethane	110		91		67-130	19		20
Bromodichloromethane	110		92		67-130	18		20
trans-1,3-Dichloropropene	120		100		70-130	18		20
cis-1,3-Dichloropropene	100		87		70-130	14		20
1,1-Dichloropropene	97		82		70-130	17		20
Bromoform	110		98		54-136	12		20
1,1,2,2-Tetrachloroethane	100		94		67-130	6		20
Benzene	94		80		70-130	16		20
Toluene	100		90		70-130	11		20
Ethylbenzene	110		94		70-130	16		20
Chloromethane	61	Q	52	Q	64-130	16		20
Bromomethane	78		67		39-139	15		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1919550-3 WG1919550-4								
Vinyl chloride	68		56		55-140	19		20
Chloroethane	91		75		55-138	19		20
1,1-Dichloroethene	84		69		61-145	20		20
trans-1,2-Dichloroethene	85		72		70-130	17		20
Trichloroethene	95		80		70-130	17		20
1,2-Dichlorobenzene	100		89		70-130	12		20
1,3-Dichlorobenzene	100		89		70-130	12		20
1,4-Dichlorobenzene	100		88		70-130	13		20
Methyl tert butyl ether	100		88		63-130	13		20
p/m-Xylene	105		90		70-130	15		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	90		77		70-130	16		20
Dibromomethane	96		84		70-130	13		20
1,2,3-Trichloropropane	110		97		64-130	13		20
Acrylonitrile	80		73		70-130	9		20
Styrene	110		95		70-130	15		20
Dichlorodifluoromethane	80		67		36-147	18		20
Acetone	74		67		58-148	10		20
Carbon disulfide	70		58		51-130	19		20
2-Butanone	87		80		63-138	8		20
Vinyl acetate	100		88		70-130	13		20
4-Methyl-2-pentanone	86		81		59-130	6		20
2-Hexanone	92		83		57-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1919550-3 WG1919550-4								
Bromochloromethane	89		77		70-130	14		20
2,2-Dichloropropane	110		95		63-133	15		20
1,2-Dibromoethane	100		92		70-130	8		20
1,3-Dichloropropane	110		96		70-130	14		20
1,1,1,2-Tetrachloroethane	110		94		64-130	16		20
Bromobenzene	98		88		70-130	11		20
n-Butylbenzene	110		94		53-136	16		20
sec-Butylbenzene	100		89		70-130	12		20
tert-Butylbenzene	97		85		70-130	13		20
o-Chlorotoluene	100		90		70-130	11		20
p-Chlorotoluene	100		92		70-130	8		20
1,2-Dibromo-3-chloropropane	100		90		41-144	11		20
Hexachlorobutadiene	120		110		63-130	9		20
Isopropylbenzene	98		86		70-130	13		20
p-Isopropyltoluene	99		88		70-130	12		20
Naphthalene	83		78		70-130	6		20
n-Propylbenzene	100		88		69-130	13		20
1,2,3-Trichlorobenzene	97		91		70-130	6		20
1,2,4-Trichlorobenzene	100		90		70-130	11		20
1,3,5-Trimethylbenzene	100		91		64-130	9		20
1,2,4-Trimethylbenzene	100		91		70-130	9		20
1,4-Dioxane	86		80		56-162	7		20
p-Diethylbenzene	96		84		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1919550-3 WG1919550-4								
p-Ethyltoluene	98		87		70-130	12		20
1,2,4,5-Tetramethylbenzene	96		86		70-130	11		20
Ethyl ether	99		87		59-134	13		20
trans-1,4-Dichloro-2-butene	84		80		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		117		70-130
Toluene-d8	109		109		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	102		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1919550-6 WG1919550-7 QC Sample: L2424755-01 Client ID: GW-04												
Methylene chloride	ND	10	9.3	93		8.0	80		70-130	15		20
1,1-Dichloroethane	ND	10	9.4	94		8.1	81		70-130	15		20
Chloroform	ND	10	12	120		10	100		70-130	18		20
Carbon tetrachloride	ND	10	13	130		12	120		63-132	8		20
1,2-Dichloropropane	ND	10	8.6	86		7.4	74		70-130	15		20
Dibromochloromethane	ND	10	10	100		9.6	96		63-130	4		20
1,1,2-Trichloroethane	ND	10	10	100		9.6	96		70-130	4		20
Tetrachloroethene	ND	10	12	120		11	110		70-130	9		20
Chlorobenzene	ND	10	10	100		9.5	95		75-130	5		20
Trichlorofluoromethane	ND	10	14	140		13	130		62-150	7		20
1,2-Dichloroethane	ND	10	11	110		9.3	93		70-130	17		20
1,1,1-Trichloroethane	ND	10	13	130		11	110		67-130	17		20
Bromodichloromethane	ND	10	12	120		10	100		67-130	18		20
trans-1,3-Dichloropropene	ND	10	11	110		10	100		70-130	10		20
cis-1,3-Dichloropropene	ND	10	9.8	98		8.6	86		70-130	13		20
1,1-Dichloropropene	ND	10	11	110		9.5	95		70-130	15		20
Bromoform	ND	10	9.9	99		9.2	92		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	10	8.7	87		8.1	81		67-130	7		20
Benzene	ND	10	10	100		8.6	86		70-130	15		20
Toluene	ND	10	11	110		10	100		70-130	10		20
Ethylbenzene	ND	10	11	110		10	100		70-130	10		20
Chloromethane	ND	10	6.3	63	Q	5.4	54	Q	64-130	15		20
Bromomethane	ND	10	8.5	85		8.0	80		39-139	6		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1919550-6 WG1919550-7 QC Sample: L2424755-01 Client ID: GW-04												
Vinyl chloride	ND	10	6.9	69		6.1	61		55-140	12		20
Chloroethane	ND	10	10	100		8.8	88		55-138	13		20
1,1-Dichloroethene	ND	10	9.6	96		8.2	82		61-145	16		20
trans-1,2-Dichloroethene	ND	10	9.5	95		8.2	82		70-130	15		20
Trichloroethene	ND	10	11	110		9.1	91		70-130	19		20
1,2-Dichlorobenzene	ND	10	9.3	93		8.6	86		70-130	8		20
1,3-Dichlorobenzene	ND	10	9.6	96		8.7	87		70-130	10		20
1,4-Dichlorobenzene	ND	10	9.4	94		8.6	86		70-130	9		20
Methyl tert butyl ether	ND	10	10	100		9.1	91		63-130	9		20
p/m-Xylene	ND	20	22	110		20	100		70-130	10		20
o-Xylene	ND	20	22	110		20	100		70-130	10		20
cis-1,2-Dichloroethene	ND	10	9.8	98		8.3	83		70-130	17		20
Dibromomethane	ND	10	10	100		8.8	88		70-130	13		20
1,2,3-Trichloropropane	ND	10	9.5	95		8.7	87		64-130	9		20
Acrylonitrile	ND	10	8.1	81		7.0	70		70-130	15		20
Styrene	ND	20	23	115		20	100		70-130	14		20
Dichlorodifluoromethane	ND	10	9.0	90		8.1	81		36-147	11		20
Acetone	ND	10	8.2	82		6.7	67		58-148	20		20
Carbon disulfide	ND	10	7.9	79		6.8	68		51-130	15		20
2-Butanone	ND	10	8.5	85		7.4	74		63-138	14		20
Vinyl acetate	ND	10	9.7	97		8.3	83		70-130	16		20
4-Methyl-2-pentanone	ND	10	7.7	77		7.1	71		59-130	8		20
2-Hexanone	ND	10	8.2	82		7.4	74		57-130	10		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab GW-04												
Associated sample(s): 01-10 QC Batch ID: WG1919550-6 WG1919550-7 QC Sample: L2424755-01 Client ID:												
Bromochloromethane	ND	10	9.8	98		8.2	82		70-130	18		20
2,2-Dichloropropane	ND	10	12	120		9.9	99		63-133	19		20
1,2-Dibromoethane	ND	10	9.9	99		8.9	89		70-130	11		20
1,3-Dichloropropane	ND	10	10	100		9.7	97		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	11	110		10	100		64-130	10		20
Bromobenzene	ND	10	9.2	92		8.6	86		70-130	7		20
n-Butylbenzene	ND	10	10	100		9.4	94		53-136	6		20
sec-Butylbenzene	ND	10	9.8	98		9.1	91		70-130	7		20
tert-Butylbenzene	ND	10	9.5	95		8.7	87		70-130	9		20
o-Chlorotoluene	ND	10	9.7	97		9.0	90		70-130	7		20
p-Chlorotoluene	ND	10	9.8	98		9.0	90		70-130	9		20
1,2-Dibromo-3-chloropropane	ND	10	8.8	88		8.3	83		41-144	6		20
Hexachlorobutadiene	ND	10	12	120		12	120		63-130	0		20
Isopropylbenzene	ND	10	9.3	93		8.7	87		70-130	7		20
p-Isopropyltoluene	ND	10	9.7	97		9.0	90		70-130	7		20
Naphthalene	ND	10	7.1	71		6.8	68	Q	70-130	4		20
n-Propylbenzene	ND	10	9.7	97		8.9	89		69-130	9		20
1,2,3-Trichlorobenzene	ND	10	8.9	89		8.3	83		70-130	7		20
1,2,4-Trichlorobenzene	ND	10	9.1	91		8.5	85		70-130	7		20
1,3,5-Trimethylbenzene	ND	10	9.9	99		9.0	90		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	9.9	99		9.1	91		70-130	8		20
1,4-Dioxane	ND	500	380	76		360	72		56-162	5		20
p-Diethylbenzene	ND	10	9.2	92		8.4	84		70-130	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1919550-6 WG1919550-7 QC Sample: L2424755-01 Client ID: GW-04												
p-Ethyltoluene	ND	10	9.4	94		8.7	87		70-130	8		20
1,2,4,5-Tetramethylbenzene	ND	10	9.0	90		8.4	84		70-130	7		20
Ethyl ether	ND	10	10	100		9.4	94		59-134	6		20
trans-1,4-Dichloro-2-butene	ND	10	7.3	73		7.0	70		70-130	4		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		121		70-130
4-Bromofluorobenzene	92		95		70-130
Dibromofluoromethane	107		105		70-130
Toluene-d8	103		109		70-130

SEMIVOLATILES

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/24 03:10
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	70		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/10/24 17:14
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	78		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/24 03:34
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.4	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	68		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/10/24 18:04
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.10		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.04	J	ug/l	0.10	0.01	1
Anthracene	0.06	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.16		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	81		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
Client ID: GW-07
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/24 03:58
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
Client ID: GW-07
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	71		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
Client ID: GW-07
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/10/24 18:20
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.6		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.12		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	0.01	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.11		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.10		ug/l	0.10	0.01	1
Phenanthrene	0.02	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.15		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.11	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
Client ID: GW-07
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	91		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/24 04:23
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	66		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/13/24 08:37
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	58		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
Client ID: GW-01
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/24 04:47
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
Client ID: GW-01
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	65		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
Client ID: GW-01
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/12/24 14:28
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.10	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
Client ID: GW-01
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	59		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
Client ID: DUP-050624
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/24 05:11
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
Client ID: DUP-050624
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	73		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
Client ID: DUP-050624
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/12/24 14:45
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	6.1		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.11		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Chrysene	0.04	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.11		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	0.09	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.14		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.13	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
Client ID: DUP-050624
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	64		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07
Client ID: GW-03
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/24 05:35
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07
Client ID: GW-03
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	66		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07
Client ID: GW-03
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/13/24 08:53
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/12/24 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.69		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.12		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	0.03	J	ug/l	0.10	0.01	1
Anthracene	0.05	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.06	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07
Client ID: GW-03
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	40	Q	41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08
Client ID: GW-06
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 05/11/24 05:59
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08
Client ID: GW-06
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	1.8	J	ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	65		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08
Client ID: GW-06
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/13/24 09:10
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/12/24 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.20		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.43		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.05	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.06	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08
Client ID: GW-06
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	47		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E
Analytical Date: 05/11/24 06:23
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	61		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E-SIM
Analytical Date: 05/11/24 15:27
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 13:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	50		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/10/24 01:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 05:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10 Batch: WG1918846-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/10/24 01:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 05:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10 Batch: WG1918846-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/10/24 01:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 05:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10 Batch: WG1918846-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	74		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/09/24 20:50
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 05:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06,10 Batch: WG1918847-1					
Acenaphthene	0.02	J	ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.03	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.15		ug/l	0.10	0.05
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.02	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01
Fluorene	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.03	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	0.02	J	ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/09/24 20:50
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 05/09/24 05:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06,10 Batch: WG1918847-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	80		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/13/24 07:47
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/12/24 16:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-08 Batch: WG1920149-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/13/24 07:47
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 05/12/24 16:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-08 Batch: WG1920149-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	47		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1918846-2 WG1918846-3								
Acenaphthene	76		62		37-111	20		30
1,2,4-Trichlorobenzene	68		57		39-98	18		30
Hexachlorobenzene	74		56		40-140	28		30
Bis(2-chloroethyl)ether	72		62		40-140	15		30
2-Chloronaphthalene	72		58		40-140	22		30
1,2-Dichlorobenzene	67		60		40-140	11		30
1,3-Dichlorobenzene	67		56		40-140	18		30
1,4-Dichlorobenzene	67		60		36-97	11		30
3,3'-Dichlorobenzidine	73		58		40-140	23		30
2,4-Dinitrotoluene	81		68		48-143	17		30
2,6-Dinitrotoluene	85		65		40-140	27		30
Fluoranthene	77		61		40-140	23		30
4-Chlorophenyl phenyl ether	74		59		40-140	23		30
4-Bromophenyl phenyl ether	76		62		40-140	20		30
Bis(2-chloroisopropyl)ether	76		64		40-140	17		30
Bis(2-chloroethoxy)methane	79		66		40-140	18		30
Hexachlorobutadiene	65		55		40-140	17		30
Hexachlorocyclopentadiene	77		61		40-140	23		30
Hexachloroethane	69		60		40-140	14		30
Isophorone	80		67		40-140	18		30
Naphthalene	71		57		40-140	22		30
Nitrobenzene	81		69		40-140	16		30
NDPA/DPA	82		63		40-140	26		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1918846-2 WG1918846-3								
n-Nitrosodi-n-propylamine	80		68		29-132	16		30
Bis(2-ethylhexyl)phthalate	81		64		40-140	23		30
Butyl benzyl phthalate	82		68		40-140	19		30
Di-n-butylphthalate	83		67		40-140	21		30
Di-n-octylphthalate	81		69		40-140	16		30
Diethyl phthalate	81		67		40-140	19		30
Dimethyl phthalate	76		63		40-140	19		30
Benzo(a)anthracene	75		60		40-140	22		30
Benzo(a)pyrene	74		60		40-140	21		30
Benzo(b)fluoranthene	75		60		40-140	22		30
Benzo(k)fluoranthene	72		58		40-140	22		30
Chrysene	73		58		40-140	23		30
Acenaphthylene	72		56		45-123	25		30
Anthracene	77		62		40-140	22		30
Benzo(ghi)perylene	64		54		40-140	17		30
Fluorene	77		62		40-140	22		30
Phenanthrene	76		62		40-140	20		30
Dibenzo(a,h)anthracene	69		57		40-140	19		30
Indeno(1,2,3-cd)pyrene	69		58		40-140	17		30
Pyrene	77		62		26-127	22		30
Biphenyl	74		60		40-140	21		30
4-Chloroaniline	62		52		40-140	18		30
2-Nitroaniline	83		67		52-143	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1918846-2 WG1918846-3								
3-Nitroaniline	80		69		25-145	15		30
4-Nitroaniline	80		67		51-143	18		30
Dibenzofuran	75		59		40-140	24		30
2-Methylnaphthalene	73		59		40-140	21		30
1,2,4,5-Tetrachlorobenzene	69		57		2-134	19		30
Acetophenone	74		63		39-129	16		30
2,4,6-Trichlorophenol	79		61		30-130	26		30
p-Chloro-m-cresol	81		67		23-97	19		30
2-Chlorophenol	77		65		27-123	17		30
2,4-Dichlorophenol	79		65		30-130	19		30
2,4-Dimethylphenol	86		73		30-130	16		30
2-Nitrophenol	84		73		30-130	14		30
4-Nitrophenol	87	Q	68		10-80	25		30
2,4-Dinitrophenol	101		84		20-130	18		30
4,6-Dinitro-o-cresol	91		74		20-164	21		30
Pentachlorophenol	77		62		9-103	22		30
Phenol	63		52		12-110	19		30
2-Methylphenol	78		66		30-130	17		30
3-Methylphenol/4-Methylphenol	76		62		30-130	20		30
2,4,5-Trichlorophenol	76		62		30-130	20		30
Benzoic Acid	73		61		10-164	18		30
Benzyl Alcohol	74		63		26-116	16		30
Carbazole	78		63		55-144	21		30

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1918846-2 WG1918846-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		62		21-120
Phenol-d6	65		52		10-120
Nitrobenzene-d5	87		70		23-120
2-Fluorobiphenyl	74		56		15-120
2,4,6-Tribromophenol	76		64		10-120
4-Terphenyl-d14	74		60		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,10 Batch: WG1918847-2 WG1918847-3								
Acenaphthene	78		62		40-140	23		40
2-Chloronaphthalene	79		63		40-140	23		40
Fluoranthene	88		70		40-140	23		40
Hexachlorobutadiene	72		57		40-140	23		40
Naphthalene	76		60		40-140	24		40
Benzo(a)anthracene	83		65		40-140	24		40
Benzo(a)pyrene	87		70		40-140	22		40
Benzo(b)fluoranthene	85		69		40-140	21		40
Benzo(k)fluoranthene	89		70		40-140	24		40
Chrysene	80		65		40-140	21		40
Acenaphthylene	83		65		40-140	24		40
Anthracene	83		65		40-140	24		40
Benzo(ghi)perylene	80		62		40-140	25		40
Fluorene	84		66		40-140	24		40
Phenanthrene	80		62		40-140	25		40
Dibenzo(a,h)anthracene	87		68		40-140	25		40
Indeno(1,2,3-cd)pyrene	89		69		40-140	25		40
Pyrene	90		71		40-140	24		40
2-Methylnaphthalene	81		64		40-140	23		40
Pentachlorophenol	92		76		40-140	19		40
Hexachlorobenzene	77		61		40-140	23		40
Hexachloroethane	76		61		40-140	22		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,10 Batch: WG1918847-2 WG1918847-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		61		21-120
Phenol-d6	73		57		10-120
Nitrobenzene-d5	104		82		23-120
2-Fluorobiphenyl	80		63		15-120
2,4,6-Tribromophenol	102		82		10-120
4-Terphenyl-d14	81		65		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 Batch: WG1920149-2 WG1920149-3								
Acenaphthene	84		82		40-140	2		40
2-Chloronaphthalene	74		72		40-140	3		40
Fluoranthene	72		73		40-140	1		40
Hexachlorobutadiene	82		82		40-140	0		40
Naphthalene	76		76		40-140	0		40
Benzo(a)anthracene	98		97		40-140	1		40
Benzo(a)pyrene	81		79		40-140	3		40
Benzo(b)fluoranthene	84		82		40-140	2		40
Benzo(k)fluoranthene	76		79		40-140	4		40
Chrysene	89		89		40-140	0		40
Acenaphthylene	73		71		40-140	3		40
Anthracene	88		87		40-140	1		40
Benzo(ghi)perylene	79		78		40-140	1		40
Fluorene	81		80		40-140	1		40
Phenanthrene	85		84		40-140	1		40
Dibenzo(a,h)anthracene	78		78		40-140	0		40
Indeno(1,2,3-cd)pyrene	88		86		40-140	2		40
Pyrene	71		71		40-140	0		40
2-Methylnaphthalene	75		74		40-140	1		40
Pentachlorophenol	96		95		40-140	1		40
Hexachlorobenzene	99		97		40-140	2		40
Hexachloroethane	74		74		40-140	0		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-08 Batch: WG1920149-2 WG1920149-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		70		21-120
Phenol-d6	64		63		10-120
Nitrobenzene-d5	88		87		23-120
2-Fluorobiphenyl	70		69		15-120
2,4,6-Tribromophenol	106		105		10-120
4-Terphenyl-d14	52		52		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1918846-4 WG1918846-5 QC Sample: L2424755-01 Client ID: GW-04												
1,2,4-Trichlorobenzene	ND	18.2	11	61		10	55		39-98	10		30
Bis(2-chloroethyl)ether	ND	18.2	11	61		11	61		40-140	0		30
1,2-Dichlorobenzene	ND	18.2	11	61		10	55		40-140	10		30
1,3-Dichlorobenzene	ND	18.2	10	55		10	55		40-140	0		30
1,4-Dichlorobenzene	ND	18.2	11	61		10	55		36-97	10		30
3,3'-Dichlorobenzidine	ND	18.2	7.6	42		6.7	37	Q	40-140	13		30
2,4-Dinitrotoluene	ND	18.2	14	77		14	77		48-143	0		30
2,6-Dinitrotoluene	ND	18.2	14	77		14	77		40-140	0		30
4-Chlorophenyl phenyl ether	ND	18.2	12	66		12	66		40-140	0		30
4-Bromophenyl phenyl ether	ND	18.2	13	72		13	72		40-140	0		30
Bis(2-chloroisopropyl)ether	ND	18.2	11	61		11	61		40-140	0		30
Bis(2-chloroethoxy)methane	ND	18.2	12	66		12	66		40-140	0		30
Hexachlorocyclopentadiene	ND	18.2	12.J	66		11.J	61		40-140	9		30
Isophorone	ND	18.2	13	72		13	72		40-140	0		30
Nitrobenzene	ND	18.2	13	72		12	66		40-140	8		30
NDPA/DPA	ND	18.2	13	72		12	66		40-140	8		30
n-Nitrosodi-n-propylamine	ND	18.2	13	72		12	66		29-132	8		30
Bis(2-ethylhexyl)phthalate	ND	18.2	16	88		14	77		40-140	13		30
Butyl benzyl phthalate	ND	18.2	14	77		14	77		40-140	0		30
Di-n-butylphthalate	ND	18.2	15	83		14	77		40-140	7		30
Di-n-octylphthalate	ND	18.2	15	83		14	77		40-140	7		30
Diethyl phthalate	ND	18.2	14	77		14	77		40-140	0		30
Dimethyl phthalate	ND	18.2	13	72		13	72		40-140	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1918846-4 WG1918846-5 QC Sample: L2424755-01 Client ID: GW-04												
Biphenyl	ND	18.2	12	66		12	66		40-140	0		30
4-Chloroaniline	ND	18.2	9.7	53		8.1	45		40-140	18		30
2-Nitroaniline	ND	18.2	14	77		14	77		52-143	0		30
3-Nitroaniline	ND	18.2	11	61		11	61		25-145	0		30
4-Nitroaniline	ND	18.2	12	66		11	61		51-143	9		30
Dibenzofuran	ND	18.2	12	66		12	66		40-140	0		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	12	66		12	66		2-134	0		30
Acetophenone	ND	18.2	12	66		11	61		39-129	9		30
2,4,6-Trichlorophenol	ND	18.2	13	72		13	72		30-130	0		30
p-Chloro-m-cresol	ND	18.2	13	72		14	77		23-97	7		30
2-Chlorophenol	ND	18.2	11	61		11	61		27-123	0		30
2,4-Dichlorophenol	ND	18.2	13	72		12	66		30-130	8		30
2,4-Dimethylphenol	ND	18.2	12	66		13	72		30-130	8		30
2-Nitrophenol	ND	18.2	13	72		13	72		30-130	0		30
4-Nitrophenol	ND	18.2	13	72		13	72		10-80	0		30
2,4-Dinitrophenol	ND	18.2	16.J	88		15.J	83		20-130	6		30
4,6-Dinitro-o-cresol	ND	18.2	15	83		15	83		20-164	0		30
Phenol	ND	18.2	8.5	47		8.1	45		12-110	5		30
2-Methylphenol	ND	18.2	11	61		11	61		30-130	0		30
3-Methylphenol/4-Methylphenol	ND	18.2	11	61		10	55		30-130	10		30
2,4,5-Trichlorophenol	ND	18.2	13	72		13	72		30-130	0		30
Benzoic Acid	ND	18.2	11.J	61		12.J	66		10-164	9		30
Benzyl Alcohol	ND	18.2	11	61		11	61		26-116	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1918846-4 WG1918846-5 QC Sample: L2424755-01 Client ID: GW-04												
Carbazole	ND	18.2	13	72		12	66		55-144	8		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	75		69		10-120
2-Fluorobiphenyl	65		64		15-120
2-Fluorophenol	56		52		21-120
4-Terphenyl-d14	66		63		41-149
Nitrobenzene-d5	68		67		23-120
Phenol-d6	46		45		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,10 QC Batch ID: WG1918847-4 WG1918847-5 QC Sample: L2424755-01 Client ID: GW-04												
Acenaphthene	ND	18.2	14	77		12	66		40-140	15		40
2-Chloronaphthalene	ND	18.2	14	77		12	66		40-140	15		40
Fluoranthene	ND	18.2	17	94		14	77		40-140	19		40
Hexachlorobutadiene	ND	18.2	11	61		9.8	54		40-140	12		40
Naphthalene	ND	18.2	13	72		11	61		40-140	17		40
Benzo(a)anthracene	ND	18.2	15	83		13	72		40-140	14		40
Benzo(a)pyrene	ND	18.2	16	88		14	77		40-140	13		40
Benzo(b)fluoranthene	ND	18.2	16	88		14	77		40-140	13		40
Benzo(k)fluoranthene	ND	18.2	16	88		14	77		40-140	13		40
Chrysene	ND	18.2	14	77		12	66		40-140	15		40
Acenaphthylene	ND	18.2	15	83		13	72		40-140	14		40
Anthracene	ND	18.2	15	83		13	72		40-140	14		40
Benzo(ghi)perylene	ND	18.2	15	83		13	72		40-140	14		40
Fluorene	ND	18.2	15	83		14	77		40-140	7		40
Phenanthrene	ND	18.2	14	77		12	66		40-140	15		40
Dibenzo(a,h)anthracene	ND	18.2	17	94		14	77		40-140	19		40
Indeno(1,2,3-cd)pyrene	ND	18.2	17	94		15	83		40-140	13		40
Pyrene	ND	18.2	17	94		14	77		40-140	19		40
2-Methylnaphthalene	ND	18.2	14	77		12	66		40-140	15		40
Pentachlorophenol	ND	18.2	16	88		14	77		40-140	13		40
Hexachlorobenzene	ND	18.2	14	77		12	66		40-140	15		40
Hexachloroethane	ND	18.2	13	72		11	61		40-140	17		40

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06,10 QC Batch ID: WG1918847-4 WG1918847-5 QC Sample: L2424755-01 Client ID: GW-04												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	107		94		10-120
2-Fluorobiphenyl	77		66		15-120
2-Fluorophenol	67		56		21-120
4-Terphenyl-d14	82		70		41-149
Nitrobenzene-d5	102		88		23-120
Phenol-d6	62		54		10-120

METALS

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
 Client ID: GW-04
 Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
 Date Received: 05/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.274		mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00180		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Barium, Total	0.1129		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Calcium, Total	65.9		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00084	J	mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00103		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Copper, Total	0.00180		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Iron, Total	1.06		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Lead, Total	0.00115		mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Magnesium, Total	16.5		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Manganese, Total	0.8878		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 16:18	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00216		mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Potassium, Total	39.0		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Sodium, Total	89.9		mg/l	0.100	0.0293	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 13:52	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00716	J	mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00054	J	mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00158		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.1181		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-01
Client ID: GW-04
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	77.1		mg/l	0.100	0.0394	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00086		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.00142		mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.0304	J	mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	16.1		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.6569		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:11	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00175	J	mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	45.5		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	87.0		mg/l	0.100	0.0293	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 14:14	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
 Client ID: GW-02
 Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
 Date Received: 05/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0948		mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00100	J	mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00323		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Barium, Total	0.1475		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Calcium, Total	176.		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00087	J	mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00024	J	mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Copper, Total	0.00046	J	mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Iron, Total	7.96		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Lead, Total	0.00041	J	mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Magnesium, Total	50.8		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Manganese, Total	5.348		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 16:44	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00075	J	mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Potassium, Total	41.4		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Sodium, Total	278.		mg/l	1.00	0.293	10	05/09/24 12:57	05/10/24 17:36	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.00230	J	mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 13:39	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00682	J	mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00364	J	mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00204		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.09914		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 10:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	198.		mg/l	0.100	0.0394	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00018	J	mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.355		mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	52.9		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	5.080		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:21	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00073	J	mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	43.0		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	279.		mg/l	1.00	0.293	10	05/13/24 10:02	05/13/24 15:30	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 14:00	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
 Client ID: GW-07
 Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
 Date Received: 05/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0447		mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00200		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Barium, Total	0.06483		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Calcium, Total	114.		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00064	J	mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00018	J	mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Iron, Total	4.85		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Magnesium, Total	8.21		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Manganese, Total	0.4611		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 16:48	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00075	J	mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Potassium, Total	13.4		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Sodium, Total	31.4		mg/l	0.100	0.0293	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 13:43	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00674	J	mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00116	J	mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00065		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.05971		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-03
Client ID: GW-07
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:45
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	124.		mg/l	0.100	0.0394	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00017	J	mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.213		mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	8.44		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.4765		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:24	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	13.8		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	29.4		mg/l	0.100	0.0293	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 14:05	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.05		mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00081		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Barium, Total	0.08682		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Calcium, Total	81.5		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00242		mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00130		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Copper, Total	0.00474		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Iron, Total	1.55		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Lead, Total	0.00225		mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Magnesium, Total	8.11		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Manganese, Total	0.1993		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 16:51	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00238		mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Potassium, Total	50.0		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Sodium, Total	76.9		mg/l	0.100	0.0293	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.00188	J	mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Zinc, Total	0.00376	J	mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 13:48	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0242		mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00070	J	mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00035	J	mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.07814		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-04
Client ID: GW-05
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	92.4		mg/l	0.100	0.0394	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00037	J	mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.00260		mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.0328	J	mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	8.56		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.01983		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:27	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00079	J	mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	52.4		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	74.9		mg/l	0.100	0.0293	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 14:10	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
 Client ID: GW-01
 Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
 Date Received: 05/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0624		mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00138		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Barium, Total	0.05948		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Calcium, Total	69.1		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00063	J	mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00044	J	mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Iron, Total	6.44		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Magnesium, Total	28.6		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Manganese, Total	1.510		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 16:54	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00116	J	mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Potassium, Total	19.4		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Sodium, Total	254.		mg/l	1.00	0.293	10	05/09/24 12:57	05/10/24 17:40	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 14:44	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00344	J	mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00060		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.04548		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-05
Client ID: GW-01
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 09:55
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	82.0		mg/l	0.100	0.0394	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00041	J	mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.0252	J	mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	31.5		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	1.460		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:39	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00109	J	mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	21.9		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	273.		mg/l	1.00	0.293	10	05/13/24 10:02	05/13/24 15:34	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 15:10	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
 Client ID: DUP-050624
 Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
 Date Received: 05/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0789		mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00213		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Barium, Total	0.06644		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Calcium, Total	111.		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00089	J	mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00018	J	mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Iron, Total	5.31		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Lead, Total	0.00055	J	mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Magnesium, Total	8.01		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Manganese, Total	0.4671		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 16:58	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00064	J	mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Potassium, Total	13.2		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Sodium, Total	30.1		mg/l	0.100	0.0293	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 14:48	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0123		mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00080		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.06148		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-06
Client ID: DUP-050624
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:00
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	125.		mg/l	0.100	0.0394	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00016	J	mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.462		mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	8.66		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.4762		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:43	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	14.1		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Silver, Dissolved	0.00019	J	mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	29.7		mg/l	0.100	0.0293	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 15:15	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07
 Client ID: GW-03
 Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
 Date Received: 05/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.267		mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00657		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Barium, Total	0.2369		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Calcium, Total	541.		mg/l	1.00	0.394	10	05/09/24 12:57	05/10/24 17:45	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00542		mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00058		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Copper, Total	0.00131		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Iron, Total	5.50		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Lead, Total	0.00064	J	mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Magnesium, Total	45.1		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Manganese, Total	1.482		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 17:01	EPA 7470A	1,7470A	DJR
Nickel, Total	0.00181	J	mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Potassium, Total	77.5		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Sodium, Total	262.		mg/l	1.00	0.293	10	05/09/24 12:57	05/10/24 17:45	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 14:53	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00328		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.1952		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-07
Client ID: GW-03
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 08:50
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	666.		mg/l	1.00	0.394	10	05/13/24 10:02	05/13/24 15:39	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	0.00242		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00049	J	mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.00043	J	mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.812		mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	46.4		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	1.410		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:46	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00155	J	mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	77.5		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	238.		mg/l	0.100	0.0293	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 15:20	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08
 Client ID: GW-06
 Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
 Date Received: 05/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7.59		mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Antimony, Total	0.00100	J	mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00387		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Barium, Total	0.03294		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Calcium, Total	66.9		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Chromium, Total	0.00071	J	mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.00067		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Copper, Total	0.02215		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Iron, Total	0.161		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Lead, Total	0.00113		mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Magnesium, Total	0.0550	J	mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Manganese, Total	0.00718		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	05/09/24 01:58	05/10/24 07:37	EPA 7470A	1,7470A	JWN
Nickel, Total	0.01409		mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Potassium, Total	74.8		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Sodium, Total	86.5		mg/l	0.100	0.0293	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.02533		mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 15:06	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	7.85		mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00118	J	mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00357		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.03137		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-08
Client ID: GW-06
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 12:05
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	77.9		mg/l	0.100	0.0394	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00074		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.02482		mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.101		mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Lead, Dissolved	0.00057	J	mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:49	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.01575		mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	78.9		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	82.8		mg/l	0.100	0.0293	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	0.03134		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 15:25	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00629	J	mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Barium, Total	0.00031	J	mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Calcium, Total	0.335		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 17:04	EPA 7470A	1,7470A	DJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Sodium, Total	0.335		mg/l	0.100	0.0293	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 17:27	EPA 3005A	1,6020B	NTB
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.00021	J	mg/l	0.00050	0.00017	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

SAMPLE RESULTS

Lab ID: L2424755-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE, L/C NY

Date Collected: 05/06/24 11:30
Date Received: 05/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	0.0989	J	mg/l	0.200	0.0394	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	0.00102	J	mg/l	0.00200	0.00017	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:53	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	0.566		mg/l	0.100	0.0293	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/15/24 09:15	05/15/24 13:04	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08 Batch: WG1918495-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 01:58	05/10/24 07:30	1,7470A	JWN

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08,10 Batch: WG1919029-1										
Aluminum, Total	0.00328	J	mg/l	0.0100	0.00327	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/09/24 12:57	05/10/24 13:30	1,6020B	NTB



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07,10 Batch: WG1919030-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	05/09/24 14:04	05/11/24 16:11	1,7470A	DJR

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-08,10 Batch: WG1919040-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	05/09/24 19:14	05/10/24 20:04	1,7470A	JWN

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1920235-1										
Aluminum, Dissolved	0.00582	J	mg/l	0.0100	0.00327	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Sodium, Dissolved	0.0457	J	mg/l	0.100	0.0293	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Thallium, Dissolved	0.00017	J	mg/l	0.00100	0.00014	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/13/24 10:02	05/13/24 13:42	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 10 Batch: WG1921015-1										
Aluminum, Dissolved	0.00554	J	mg/l	0.0100	0.00327	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Barium, Dissolved	0.00025	J	mg/l	0.00050	0.00017	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Calcium, Dissolved	0.101	J	mg/l	0.200	0.0394	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Chromium, Dissolved	0.00107	J	mg/l	0.00200	0.00017	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Manganese, Dissolved	0.00070	J	mg/l	0.00100	0.00044	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Method Blank Analysis Batch Quality Control

Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Sodium, Dissolved	0.0330	J	mg/l	0.100	0.0293	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF
Zinc, Dissolved	0.00358	J	mg/l	0.01000	0.00341	1	05/15/24 09:15	05/15/24 13:00	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1918495-2								
Mercury, Total	103		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1919029-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	99	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	101	-	80-120	-	
Cadmium, Total	108	-	80-120	-	
Calcium, Total	84	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	103	-	80-120	-	
Iron, Total	107	-	80-120	-	
Lead, Total	114	-	80-120	-	
Magnesium, Total	104	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	102	-	80-120	-	
Potassium, Total	102	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	101	-	80-120	-	
Thallium, Total	108	-	80-120	-	
Vanadium, Total	92	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1919029-2					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07,10 Batch: WG1919030-2					
Mercury, Total	100	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1919040-2					
Mercury, Dissolved	98	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1920235-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	82	-	80-120	-	
Arsenic, Dissolved	102	-	80-120	-	
Barium, Dissolved	103	-	80-120	-	
Beryllium, Dissolved	109	-	80-120	-	
Cadmium, Dissolved	105	-	80-120	-	
Calcium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	101	-	80-120	-	
Cobalt, Dissolved	104	-	80-120	-	
Copper, Dissolved	105	-	80-120	-	
Iron, Dissolved	109	-	80-120	-	
Lead, Dissolved	104	-	80-120	-	
Magnesium, Dissolved	104	-	80-120	-	
Manganese, Dissolved	102	-	80-120	-	
Nickel, Dissolved	105	-	80-120	-	
Potassium, Dissolved	103	-	80-120	-	
Selenium, Dissolved	104	-	80-120	-	
Silver, Dissolved	105	-	80-120	-	
Sodium, Dissolved	105	-	80-120	-	
Thallium, Dissolved	114	-	80-120	-	
Vanadium, Dissolved	99	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1920235-2					
Zinc, Dissolved	102	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1921015-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	82	-	80-120	-	
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	101	-	80-120	-	
Beryllium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	98	-	80-120	-	
Calcium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	102	-	80-120	-	
Cobalt, Dissolved	98	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	96	-	80-120	-	
Magnesium, Dissolved	99	-	80-120	-	
Manganese, Dissolved	106	-	80-120	-	
Nickel, Dissolved	100	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	110	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	102	-	80-120	-	
Thallium, Dissolved	96	-	80-120	-	
Vanadium, Dissolved	103	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1921015-2					
Zinc, Dissolved	106	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1918495-3 QC Sample: L2424755-08 Client ID: GW-06												
Mercury, Total	0.00010J	0.005	0.00484	97		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1919029-3 WG1919029-4 QC Sample: L2424755-01 Client ID: GW-04									
Aluminum, Total	0.274	2	2.36	104	2.27	100	75-125	4	20
Antimony, Total	ND	0.5	0.5028	100	0.5120	102	75-125	2	20
Arsenic, Total	0.00180	0.12	0.1300	107	0.1295	106	75-125	0	20
Barium, Total	0.1129	2	2.276	108	2.240	106	75-125	2	20
Beryllium, Total	ND	0.05	0.04867	97	0.04794	96	75-125	2	20
Cadmium, Total	0.00006J	0.053	0.05759	109	0.05544	105	75-125	4	20
Calcium, Total	65.9	10	70.1	42	Q 71.0	51	Q 75-125	1	20
Chromium, Total	0.00084J	0.2	0.1912	96	0.1872	94	75-125	2	20
Cobalt, Total	0.00103	0.5	0.4979	99	0.4896	98	75-125	2	20
Copper, Total	0.00180	0.25	0.2555	101	0.2485	99	75-125	3	20
Iron, Total	1.06	1	2.15	109	2.07	101	75-125	4	20
Lead, Total	0.00115	0.53	0.6265	118	0.6390	120	75-125	2	20
Magnesium, Total	16.5	10	26.8	103	25.2	87	75-125	6	20
Manganese, Total	0.8878	0.5	1.335	89	1.312	85	75-125	2	20
Nickel, Total	0.00216	0.5	0.5023	100	0.4929	98	75-125	2	20
Potassium, Total	39.0	10	46.3	73	Q 45.9	69	Q 75-125	1	20
Selenium, Total	ND	0.12	0.117	98	0.120	100	75-125	3	20
Silver, Total	ND	0.05	0.05222	104	0.05174	103	75-125	1	20
Sodium, Total	89.9	10	97.6	77	91.9	20	Q 75-125	6	20
Thallium, Total	ND	0.12	0.1356	113	0.1368	114	75-125	1	20
Vanadium, Total	ND	0.5	0.4239	85	0.4182	84	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1919029-3 WG1919029-4 QC Sample: L2424755-01 Client ID: GW-04									
Zinc, Total	ND	0.5	0.5051	101	0.4977	100	75-125	1	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1919029-7 WG1919029-8 QC Sample: L2425098-02 Client ID: MS Sample									
Aluminum, Total	0.431	2	2.61	109	2.52	104	75-125	4	20
Antimony, Total	ND	0.5	0.5468	109	0.5382	108	75-125	2	20
Arsenic, Total	0.00064	0.12	0.1287	107	0.1288	107	75-125	0	20
Barium, Total	0.2210	2	2.359	107	2.326	105	75-125	1	20
Beryllium, Total	ND	0.05	0.04551	91	0.04645	93	75-125	2	20
Cadmium, Total	ND	0.053	0.05736	108	0.05542	104	75-125	3	20
Calcium, Total	71.2	10	80.3	91	78.6	74	Q 75-125	2	20
Chromium, Total	0.00445	0.2	0.1946	95	0.1929	94	75-125	1	20
Cobalt, Total	0.00076	0.5	0.4987	100	0.4878	97	75-125	2	20
Copper, Total	0.00238	0.25	0.2560	101	0.2527	100	75-125	1	20
Iron, Total	2.68	1	3.93	125	3.89	121	75-125	1	20
Lead, Total	0.00454	0.53	0.6357	119	0.6230	117	75-125	2	20
Magnesium, Total	57.1	10	72.3	152	Q 69.6	125	75-125	4	20
Manganese, Total	1.546	0.5	2.141	119	2.090	109	75-125	2	20
Nickel, Total	0.00603	0.5	0.5134	101	0.4922	97	75-125	4	20
Potassium, Total	14.8	10	24.9	101	24.0	92	75-125	4	20
Selenium, Total	ND	0.12	0.121	101	0.119	99	75-125	2	20
Silver, Total	ND	0.05	0.05192	104	0.05209	104	75-125	0	20
Sodium, Total	134.	10	150	160	Q 145	110	75-125	3	20
Thallium, Total	ND	0.12	0.1374	114	0.1342	112	75-125	2	20
Vanadium, Total	0.00214J	0.5	0.4173	83	0.4066	81	75-125	3	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1919029-7 WG1919029-8 QC Sample: L2425098-02 Client ID: MS Sample									
Zinc, Total	0.02181	0.5	0.5216	100	0.5209	100	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 01-07,10 QC Batch ID: WG1919030-3 WG1919030-4 QC Sample: L2424755-01 Client ID: GW-04									
Mercury, Total	ND	0.005	0.00464	93	0.00458	92	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 01-07,10 QC Batch ID: WG1919030-5 WG1919030-6 QC Sample: L2425098-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00475	95	0.00447	90	75-125	6	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1919040-3 WG1919040-4 QC Sample: L2424755-01 Client ID: GW-04									
Mercury, Dissolved	ND	0.005	0.00477	95	0.00473	95	75-125	1	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1920235-3 WG1920235-4 QC Sample: L2424755-01 Client ID: GW-04									
Aluminum, Dissolved	0.00716J	2	2.12	106	2.04	102	75-125	4	20
Antimony, Dissolved	0.00054J	0.5	0.4501	90	0.4469	89	75-125	1	20
Arsenic, Dissolved	0.00158	0.12	0.1275	105	0.1268	104	75-125	1	20
Barium, Dissolved	0.1181	2	2.248	106	2.121	100	75-125	6	20
Beryllium, Dissolved	ND	0.05	0.05408	108	0.05550	111	75-125	3	20
Cadmium, Dissolved	ND	0.053	0.05708	108	0.05503	104	75-125	4	20
Calcium, Dissolved	77.1	10	84.1	70	Q 83.1	60	Q 75-125	1	20
Chromium, Dissolved	ND	0.2	0.2087	104	0.2077	104	75-125	0	20
Cobalt, Dissolved	0.00086	0.5	0.5430	108	0.5317	106	75-125	2	20
Copper, Dissolved	0.00142	0.25	0.2798	111	0.2723	108	75-125	3	20
Iron, Dissolved	0.0304J	1	1.12	112	1.22	122	75-125	9	20
Lead, Dissolved	ND	0.53	0.5596	106	0.5410	102	75-125	3	20
Magnesium, Dissolved	16.1	10	27.1	110	27.0	109	75-125	0	20
Manganese, Dissolved	0.6569	0.5	1.156	100	1.282	125	75-125	10	20
Nickel, Dissolved	0.00175J	0.5	0.5444	109	0.5333	107	75-125	2	20
Potassium, Dissolved	45.5	10	57.7	122	51.3	58	Q 75-125	12	20
Selenium, Dissolved	ND	0.12	0.124	103	0.121	101	75-125	2	20
Silver, Dissolved	ND	0.05	0.05392	108	0.05178	104	75-125	4	20
Sodium, Dissolved	87.0	10	99.4	124	95.3	83	75-125	4	20
Thallium, Dissolved	ND	0.12	0.1390	116	0.1340	112	75-125	4	20
Vanadium, Dissolved	ND	0.5	0.5196	104	0.5194	104	75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1920235-3 WG1920235-4 QC Sample: L2424755-01 Client ID: GW-04									
Zinc, Dissolved	ND	0.5	0.5193	104	0.5088	102	75-125	2	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1921015-3 QC Sample: L2425434-13 Client ID: MS Sample									
Aluminum, Dissolved	0.145	2	2.20	103	-	-	75-125	-	20
Antimony, Dissolved	0.0009J	0.5	0.4136	83	-	-	75-125	-	20
Arsenic, Dissolved	0.00022J	0.12	0.1224	102	-	-	75-125	-	20
Barium, Dissolved	0.0077	2	1.978	98	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.04956	99	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.04979	94	-	-	75-125	-	20
Calcium, Dissolved	5.18	10	14.9	100	-	-	75-125	-	20
Chromium, Dissolved	0.00124J	0.2	0.1920	96	-	-	75-125	-	20
Cobalt, Dissolved	0.0002J	0.5	0.4914	98	-	-	75-125	-	20
Copper, Dissolved	0.00064J	0.25	0.2501	100	-	-	75-125	-	20
Iron, Dissolved	0.244	1	1.21	97	-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.5084	96	-	-	75-125	-	20
Magnesium, Dissolved	1.75	10	11.4	97	-	-	75-125	-	20
Manganese, Dissolved	0.05347	0.5	0.5554	100	-	-	75-125	-	20
Nickel, Dissolved	0.00068J	0.5	0.4937	99	-	-	75-125	-	20
Potassium, Dissolved	1.22	10	11.7	105	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.126	105	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04736	95	-	-	75-125	-	20
Sodium, Dissolved	14.9	10	23.7	75	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1146	96	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4831	97	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1921015-3 QC Sample: L2425434-13 Client ID: MS Sample									
Zinc, Dissolved	0.01183	0.5	0.5198	102	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

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Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1918495-4 QC Sample: L2424755-08 Client ID: GW-06						
Mercury, Total	0.00010J	ND	mg/l	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1921015-4 QC Sample: L2425434-13 Client ID: DUP Sample						
Aluminum, Dissolved	0.145	0.137	mg/l	6		20
Dissolved Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1921015-4 QC Sample: L2425434-13 Client ID: DUP Sample						
Arsenic, Dissolved	0.00022J	0.00022J	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Chromium, Dissolved	0.00124J	0.00114J	mg/l	NC		20
Copper, Dissolved	0.00064J	0.00061J	mg/l	NC		20
Iron, Dissolved	0.244	0.233	mg/l	5		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Manganese, Dissolved	0.05347	0.04900	mg/l	9		20
Nickel, Dissolved	0.00068J	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Zinc, Dissolved	0.01183	0.00468J	mg/l	NC		20

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**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2424755
Report Date: 05/15/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1919029-10 QC Sample: L2425098-02 Client ID: DUP Sample						
Aluminum, Total	0.431	0.435	mg/l	1		20
Barium, Total	0.2210	0.2102	mg/l	5		20
Calcium, Total	71.2	69.0	mg/l	3		20
Iron, Total	2.68	2.76	mg/l	3		20
Magnesium, Total	57.1	57.7	mg/l	1		20
Manganese, Total	1.546	1.552	mg/l	0		20
Potassium, Total	14.8	14.3	mg/l	3		20
Sodium, Total	134.	131.	mg/l	2		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1920235-6 QC Sample: L2424755-01 Client ID: GW-04						
Barium, Dissolved	0.1181	0.1228	mg/l	4		20
Calcium, Dissolved	77.1	79.5	mg/l	3		20
Magnesium, Dissolved	16.1	17.1	mg/l	6		20
Manganese, Dissolved	0.6569	0.7052	mg/l	7		20
Potassium, Dissolved	45.5	49.6	mg/l	9		20
Sodium, Dissolved	87.0	91.6	mg/l	5		20

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424755-01A	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2424755-01A1	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-01A2	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-01B	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2424755-01B1	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-01B2	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-01C	Vial HCl preserved	A	NA		3.9	Y	Absent		NYTCL-8260(14)
L2424755-01C1	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-01C2	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-01D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2424755-01D1	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2424755-01D2	Plastic 250ml unpreserved	B	7	7	3.7	Y	Absent		-
L2424755-01E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2424755-01E1	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424755-01E2	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2424755-01F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-01F1	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-01F2	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-01G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-01G1	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-01G2	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2424755-01X1	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2424755-01X2	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.7	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2424755-02A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424755-02B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-02C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-02D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2424755-02E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2424755-02F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-02G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		SE-6020S(180),K-6020S(180),CU-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2424755-03A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-03B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-03C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-03D	Plastic 250ml unpreserved	B	7	7	3.7	Y	Absent		-
L2424755-03E	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2424755-03F	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-03G	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424755-03X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.7	Y	Absent		CU-6020S(180),SE-6020S(180),V-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NI-6020S(180),PB-6020S(180),NA-6020S(180),TL-6020S(180),BA-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2424755-04A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-04B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-04C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-04D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2424755-04E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180)
L2424755-04F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-04G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-04X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),NA-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2424755-05A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-05B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-05C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-05D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424755-05E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),AG-6020T(180),CO-6020T(180)
L2424755-05F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-05G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-05X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),CO-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2424755-06A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-06B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-06C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-06D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2424755-06E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2424755-06F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-06G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424755-06X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NA-6020S(180),TL-6020S(180),BA-6020S(180),PB-6020S(180),NI-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2424755-07A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-07B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-07C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-07D	Plastic 250ml unpreserved	A	7	7	3.9	Y	Absent		-
L2424755-07E	Plastic 250ml HNO3 preserved	A	<2	<2	3.9	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),AG-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2424755-07F	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-07G	Amber 250ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-07X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.9	Y	Absent		CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),NI-6020S(180),NA-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2424755-08A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-08B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-08C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-08D	Plastic 250ml unpreserved	B	12	12	3.7	Y	Absent		-

Project Name: VOREA
Project Number: 2887.0004Y000

Serial_No: 05152418:52
Lab Number: L2424755
Report Date: 05/15/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424755-08E	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2424755-08F	Amber 250ml unpreserved	B	12	12	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-08G	Amber 250ml unpreserved	B	12	12	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-08X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.7	Y	Absent		V-6020S(180),SE-6020S(180),K-6020S(180),CU-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NI-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2424755-09A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-09B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-10A	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-10B	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-10C	Vial HCl preserved	B	NA		3.7	Y	Absent		NYTCL-8260(14)
L2424755-10D	Plastic 250ml unpreserved	B	7	7	3.7	Y	Absent		-
L2424755-10E	Plastic 250ml HNO3 preserved	B	<2	<2	3.7	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2424755-10F	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2424755-10G	Amber 250ml unpreserved	B	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

Project Name: VOREA
Project Number: 2887.0004Y000

Serial_No:05152418:52
Lab Number: L2424755
Report Date: 05/15/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2424755-10X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.7	Y	Absent		V-6020S(180),CU-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),BA-6020S(180),PB-6020S(180),NI-6020S(180),NA-6020S(180),TL-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)

Project Name: VOREA
Project Number: 2887.0004Y000

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 5/7/24		ALPHA Job # L2424755							
Client Information Client: ROUX Address: 209 Shafter St to 35 Islandia, NY 11749 Phone: 6312322600 Fax: Email: apoli@castro@foxinc.com		Project Information Project Name: Vorea Project Location: 7-33 50th Ave LIC, NY Project # 2887.0004000 (Use Project name as Project #) ☐ Project Manager: Alexander polio-castro ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		ANALYSIS NYTCL-8270- LV1 NYTCL 8270 Dissolved Metals Dissolved Hg Total Hg Total Metals NYTCL 8260 NYTCL 8260		Sample Filtration ☐ Done ☐ Lab to do ☒ Lab to do (Please Specify below)		Sample Specific Comments Collected forms / ASD		Total Bottles							
Please specify Metals or TAL.		ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Analysis Results		Comments	
24755-01		GW-04		5/6/24 0945		W		ZS		X		X		X	
02		GW-02		1045		I		ZS		X		X		X	
03		GW-07		1145		I		I		X		X		X	
04		GW-05		1100		I		I		X		X		X	
05		GW-01		0955		I		I		X		X		X	
06		DUP-050624		1200		I		I		X		X		X	
07		GW-03		0850		I		I		X		X		X	
08		GW-06		5/6/24 1205		W		ZS		X		X		X	
09		Trip Blank		-LAB		-		-		X		X		X	
10		Field Blank		1130		W		ZS		X		X		X	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type A P P		Preservative A C A B		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)					
Relinquished By:		Date/Time		Received By:		Date/Time		Comments							
[Signature]		5/6/24 1325		[Signature]		5/6/24 1325		Comments							
Paul Mazzella		5/6/24 1646		Paul Mazzella		5/6/24 1650		Comments							
[Signature]		5/7/24 0010		[Signature]		5/7/24 0010		Comments							



ANALYTICAL REPORT

Lab Number:	L2443118
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Alexander Policastro
Phone:	(631) 630-2383
Project Name:	VOREA
Project Number:	2887.0004Y000
Report Date:	08/07/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2443118-01	GW-01	WATER	2-33 50TH AVE., LIC, NY	07/31/24 11:55	07/31/24
L2443118-02	GW-02	WATER	2-33 50TH AVE., LIC, NY	07/31/24 10:58	07/31/24
L2443118-03	GW-03	WATER	2-33 50TH AVE., LIC, NY	07/31/24 12:55	07/31/24
L2443118-04	GW-04	WATER	2-33 50TH AVE., LIC, NY	07/31/24 10:55	07/31/24
L2443118-05	GW-05	WATER	2-33 50TH AVE., LIC, NY	07/31/24 09:05	07/31/24
L2443118-06	GW-06	WATER	2-33 50TH AVE., LIC, NY	07/31/24 09:10	07/31/24
L2443118-07	GW-07	WATER	2-33 50TH AVE., LIC, NY	07/31/24 12:18	07/31/24
L2443118-08	DUP-073124	WATER	2-33 50TH AVE., LIC, NY	07/31/24 12:00	07/31/24
L2443118-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE., LIC, NY	07/31/24 00:00	07/31/24
L2443118-10	FIELD BLANK	FIELD BLANK	2-33 50TH AVE., LIC, NY	07/31/24 09:18	07/31/24

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2443118-02: The collection date and time on the chain of custody was 31-JUL-24 10:58; however, the collection date/time on the container label was 31-JUL-24 10:55. At the client's request, the collection date/time is reported as 31-JUL-24 10:58.

L2443118-05: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO₃ to a pH <2.

L2443118-08: The collection date and time on the chain of custody was 31-JUL-24 12:00; however, the collection date/time on the container label was 31-JUL-24 09:10. At the client's request, the collection date/time is reported as 31-JUL-24 12:00.

Semivolatile Organics

The WG1955747-3 LCSD recovery, associated with L2443118-01 through -08 and -10, are below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

The WG1954271-3/-4 MS/MSD recoveries for calcium (MSD 20%) and potassium (170%/143%), and sodium (MSD 74%), performed on L2443118-05, does not apply because the sample concentration is greater than four times the spike amount added.

Dissolved Metals

L2443118-06: Dissolved results are greater than Total results. The sample containers were verified as being labeled correctly by the laboratory.

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Case Narrative (continued)

L2443118-10: The Field Blank has a concentration above the reporting limit for sodium. The result was confirmed.

The WG1954643-3/-4 MS/MSD recoveries for calcium (140%/190%), potassium (265%/277%), and sodium (192%/212%), performed on L2443118-05, do not apply because the sample concentrations are greater than four times the spike amounts added.

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

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 08/07/24

ORGANICS

VOLATILES

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/05/24 02:01
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/05/24 01:36
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.46	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	0.82	J	ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	111		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
Client ID: GW-03
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/05/24 01:11
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	7.5		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
Client ID: GW-03
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
Client ID: GW-03
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
Client ID: GW-04
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/05/24 00:46
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
Client ID: GW-04
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
Client ID: GW-04
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/05/24 00:21
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/04/24 23:57
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.16	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	2.6		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/04/24 23:32
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/04/24 23:06
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.17	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	2.5		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	110		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-09
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 00:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260D
Analytical Date: 08/04/24 22:41
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-09
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 00:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-09
Client ID: TRIP BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 00:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8260D
Analytical Date: 08/04/24 22:16
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/24 18:30
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1955309-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/24 18:30
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1955309-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/24 18:30
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1955309-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1955309-3 WG1955309-4								
Methylene chloride	95		94		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		99		70-130	1		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	90		92		63-130	2		20
1,1,2-Trichloroethane	92		94		70-130	2		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	99		96		75-130	3		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	84		85		70-130	1		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	93		93		54-136	0		20
1,1,2,2-Tetrachloroethane	93		96		67-130	3		20
Benzene	100		100		70-130	0		20
Toluene	98		95		70-130	3		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	81		79		39-139	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1955309-3 WG1955309-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	99		95		55-138	4		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	96		99		70-130	3		20
1,2-Dichlorobenzene	98		99		70-130	1		20
1,3-Dichlorobenzene	99		98		70-130	1		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	94		100		63-130	6		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	93		97		64-130	4		20
Acrylonitrile	110		110		70-130	0		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	110		110		58-148	0		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	99		110		70-130	11		20
4-Methyl-2-pentanone	89		93		59-130	4		20
2-Hexanone	95		100		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1955309-3 WG1955309-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	100		99		70-130	1		20
1,3-Dichloropropane	97		99		70-130	2		20
1,1,1,2-Tetrachloroethane	99		97		64-130	2		20
Bromobenzene	95		95		70-130	0		20
n-Butylbenzene	98		99		53-136	1		20
sec-Butylbenzene	99		99		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	95		94		70-130	1		20
p-Chlorotoluene	95		95		70-130	0		20
1,2-Dibromo-3-chloropropane	88		91		41-144	3		20
Hexachlorobutadiene	95		97		63-130	2		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	98		98		70-130	0		20
Naphthalene	90		95		70-130	5		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	98		100		70-130	2		20
1,2,4-Trichlorobenzene	98		99		70-130	1		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	98		100		70-130	2		20
1,4-Dioxane	132		118		56-162	11		20
p-Diethylbenzene	97		97		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1955309-3 WG1955309-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	90		93		70-130	3		20
Ethyl ether	97		100		59-134	3		20
trans-1,4-Dichloro-2-butene	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	103		104		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1955309-6 WG1955309-7 QC Sample: L2443118-05 Client ID: GW-05												
Methylene chloride	ND	10	9.9	99		10	100		70-130	1		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	10	100		11	110		70-130	10		20
Carbon tetrachloride	ND	10	12	120		13	130		63-132	8		20
1,2-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
Dibromochloromethane	ND	10	8.9	89		9.3	93		63-130	4		20
1,1,2-Trichloroethane	ND	10	9.4	94		9.8	98		70-130	4		20
Tetrachloroethene	ND	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	12	120		13	130		62-150	8		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	10	100		11	110		67-130	10		20
trans-1,3-Dichloropropene	ND	10	8.3	83		8.6	86		70-130	4		20
cis-1,3-Dichloropropene	ND	10	9.6	96		10	100		70-130	4		20
1,1-Dichloropropene	ND	10	11	110		12	120		70-130	9		20
Bromoform	ND	10	8.9	89		9.2	92		54-136	3		20
1,1,2,2-Tetrachloroethane	ND	10	9.4	94		9.8	98		67-130	4		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	10	100		11	110		70-130	10		20
Ethylbenzene	ND	10	10	100		11	110		70-130	10		20
Chloromethane	ND	10	12	120		12	120		64-130	0		20
Bromomethane	ND	10	4.2	42		5.4	54		39-139	25	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1955309-6 WG1955309-7 QC Sample: L2443118-05 Client ID: GW-05												
Vinyl chloride	ND	10	12	120		12	120		55-140	0		20
Chloroethane	ND	10	11	110		11	110		55-138	0		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	ND	10	10	100		11	110		70-130	10		20
1,2-Dichlorobenzene	ND	10	9.8	98		10	100		70-130	2		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	21	105		22	110		70-130	5		20
o-Xylene	ND	20	21	105		22	110		70-130	5		20
cis-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	9.5	95		9.9	99		64-130	4		20
Acrylonitrile	ND	10	11	110		12	120		70-130	9		20
Styrene	ND	20	21	105		22	110		70-130	5		20
Dichlorodifluoromethane	ND	10	12	120		12	120		36-147	0		20
Acetone	ND	10	12	120		12	120		58-148	0		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	10	100		11	110		63-138	10		20
Vinyl acetate	ND	10	10	100		10	100		70-130	0		20
4-Methyl-2-pentanone	ND	10	8.7	87		9.2	92		59-130	6		20
2-Hexanone	ND	10	9.6	96		10	100		57-130	4		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1955309-6 WG1955309-7 QC Sample: L2443118-05 Client ID: GW-05												
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
2,2-Dichloropropane	ND	10	9.0	90		9.3	93		63-133	3		20
1,2-Dibromoethane	ND	10	9.5	95		9.9	99		70-130	4		20
1,3-Dichloropropane	ND	10	9.9	99		10	100		70-130	1		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		10	100		64-130	0		20
Bromobenzene	ND	10	9.7	97		10	100		70-130	3		20
n-Butylbenzene	ND	10	10	100		11	110		53-136	10		20
sec-Butylbenzene	ND	10	10	100		11	110		70-130	10		20
tert-Butylbenzene	ND	10	11	110		11	110		70-130	0		20
o-Chlorotoluene	ND	10	10	100		10	100		70-130	0		20
p-Chlorotoluene	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	8.1	81		8.6	86		41-144	6		20
Hexachlorobutadiene	ND	10	9.1	91		9.3	93		63-130	2		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
p-Isopropyltoluene	ND	10	10	100		10	100		70-130	0		20
Naphthalene	ND	10	8.8	88		9.3	93		70-130	6		20
n-Propylbenzene	ND	10	11	110		11	110		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.6	96		10	100		70-130	4		20
1,2,4-Trichlorobenzene	ND	10	9.5	95		9.8	98		70-130	3		20
1,3,5-Trimethylbenzene	ND	10	10	100		11	110		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dioxane	ND	500	500	100		480	96		56-162	4		20
p-Diethylbenzene	ND	10	10	100		10	100		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1955309-6 WG1955309-7 QC Sample: L2443118-05 Client ID: GW-05												
p-Ethyltoluene	ND	10	10	100		11	110		70-130	10		20
1,2,4,5-Tetramethylbenzene	ND	10	9.3	93		9.8	98		70-130	5		20
Ethyl ether	ND	10	10	100		10	100		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	9.3	93		9.8	98		70-130	5		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		105		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	102		101		70-130
Toluene-d8	98		97		70-130

SEMIVOLATILES

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/07/24 05:23
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	20	Q	21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	38		10-120
4-Terphenyl-d14	84		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 14:25
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.08	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.04	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.06	J	ug/l	0.10	0.03	1
Phenanthrene	0.04	J	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	18	Q	21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	37		10-120
4-Terphenyl-d14	72		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/07/24 05:45
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	1.4	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	8.6	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	82		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 14:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.21		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.05	J	ug/l	0.10	0.02	1
Anthracene	0.11		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.31		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	73		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
Client ID: GW-03
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/07/24 06:07
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
Client ID: GW-03
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	0.65	J	ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.6	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	86		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
Client ID: GW-03
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 14:57
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	3.4		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.16		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.17		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.07	J	ug/l	0.10	0.02	1
Anthracene	0.07	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	1.1		ug/l	0.10	0.03	1
Phenanthrene	0.07	J	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.09	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	0.03	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
Client ID: GW-03
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	80		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
Client ID: GW-04
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/07/24 06:30
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
Client ID: GW-04
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	3.3	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	79		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
Client ID: GW-04
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 15:13
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.07	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
Client ID: GW-04
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	74		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/07/24 07:38
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	2.2	J	ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	1.1	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	8.1	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	83		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 15:30
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	79		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/07/24 08:00
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.5	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	8.4	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	81		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 16:19
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.73		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.11		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	2.0		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.05	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.08	J	ug/l	0.10	0.03	1
Phenanthrene	0.13		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.09	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	0.11		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	73		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/07/24 08:22
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	13.		ug/l	2.0	0.40	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Hexachlorobenzene	ND		ug/l	2.0	0.45	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
2-Chloronaphthalene	ND		ug/l	2.0	0.35	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
Fluoranthene	ND		ug/l	2.0	0.41	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorobutadiene	ND		ug/l	2.0	0.36	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Hexachloroethane	ND		ug/l	2.0	0.20	1
Isophorone	ND		ug/l	5.0	0.86	1
Naphthalene	ND		ug/l	2.0	0.54	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.37	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62	1
Chrysene	ND		ug/l	2.0	0.22	1
Acenaphthylene	ND		ug/l	2.0	0.32	1
Anthracene	ND		ug/l	2.0	0.47	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.37	1
Fluorene	ND		ug/l	2.0	0.44	1
Phenanthrene	ND		ug/l	2.0	0.42	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48	1
Pyrene	ND		ug/l	2.0	0.41	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
2-Methylnaphthalene	ND		ug/l	2.0	0.37	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Pentachlorophenol	ND		ug/l	10	2.5	1
Phenol	2.8	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	89		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 16:35
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	14		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.35		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.05	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.05	J	ug/l	0.10	0.02	1
Anthracene	0.26		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.26		ug/l	0.10	0.03	1
Phenanthrene	0.06	J	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.39		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatiles Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	79		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/07/24 08:45
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	1.9	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	89		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 16:51
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.78		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.10		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	1.9		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.05	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.09	J	ug/l	0.10	0.03	1
Phenanthrene	0.13		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.09	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	0.11		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatiles Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	78		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E
Analytical Date: 08/07/24 09:07
Analyst: LJJ

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	2.1	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	79		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank
Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 17:07
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	76		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/07/24 01:38
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10 Batch: WG1955747-1					
Acenaphthene	ND		ug/l	2.0	0.40
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98
Hexachlorobenzene	ND		ug/l	2.0	0.45
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.35
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Fluoranthene	ND		ug/l	2.0	0.41
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Hexachloroethane	ND		ug/l	2.0	0.20
Isophorone	ND		ug/l	5.0	0.86
Naphthalene	ND		ug/l	2.0	0.54
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/07/24 01:38
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10 Batch: WG1955747-1					
Dimethyl phthalate	ND		ug/l	5.0	0.92
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Chrysene	ND		ug/l	2.0	0.22
Acenaphthylene	ND		ug/l	2.0	0.32
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.37
Fluorene	ND		ug/l	2.0	0.44
Phenanthrene	ND		ug/l	2.0	0.42
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.41
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
2-Methylnaphthalene	ND		ug/l	2.0	0.37
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/07/24 01:38
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08,10 Batch: WG1955747-1					
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Pentachlorophenol	ND		ug/l	10	2.5
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.38
Carbazole	ND		ug/l	2.0	0.31

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	98		41-149

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 10:01
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08,10 Batch: WG1955748-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	0.03	J	ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/07/24 10:01
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/06/24 08:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08,10 Batch: WG1955748-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	83		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1955747-2 WG1955747-3								
Acenaphthene	71		71		37-111	0		30
1,2,4-Trichlorobenzene	56		55		39-98	2		30
Hexachlorobenzene	79		77		40-140	3		30
Bis(2-chloroethyl)ether	64		62		40-140	3		30
2-Chloronaphthalene	65		63		40-140	3		30
1,2-Dichlorobenzene	61		60		40-140	2		30
1,3-Dichlorobenzene	58		63		40-140	8		30
1,4-Dichlorobenzene	59		61		36-97	3		30
3,3'-Dichlorobenzidine	84		80		40-140	5		30
2,4-Dinitrotoluene	77		77		48-143	0		30
2,6-Dinitrotoluene	71		78		40-140	9		30
Fluoranthene	77		74		40-140	4		30
4-Chlorophenyl phenyl ether	74		71		40-140	4		30
4-Bromophenyl phenyl ether	75		73		40-140	3		30
Bis(2-chloroisopropyl)ether	33	Q	32	Q	40-140	3		30
Bis(2-chloroethoxy)methane	61		57		40-140	7		30
Hexachlorobutadiene	61		56		40-140	9		30
Hexachlorocyclopentadiene	49		46		40-140	6		30
Hexachloroethane	52		55		40-140	6		30
Isophorone	63		60		40-140	5		30
Naphthalene	63		64		40-140	2		30
Nitrobenzene	58		57		40-140	2		30
NDPA/DPA	74		74		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1955747-2 WG1955747-3								
n-Nitrosodi-n-propylamine	64		58		29-132	10		30
Bis(2-ethylhexyl)phthalate	75		73		40-140	3		30
Butyl benzyl phthalate	75		75		40-140	0		30
Di-n-butylphthalate	81		75		40-140	8		30
Di-n-octylphthalate	83		77		40-140	8		30
Diethyl phthalate	76		71		40-140	7		30
Dimethyl phthalate	73		69		40-140	6		30
Benzo(a)anthracene	78		72		40-140	8		30
Benzo(a)pyrene	90		83		40-140	8		30
Benzo(b)fluoranthene	82		78		40-140	5		30
Benzo(k)fluoranthene	88		81		40-140	8		30
Chrysene	80		75		40-140	6		30
Acenaphthylene	70		69		45-123	1		30
Anthracene	80		79		40-140	1		30
Benzo(ghi)perylene	81		80		40-140	1		30
Fluorene	75		76		40-140	1		30
Phenanthrene	78		75		40-140	4		30
Dibenzo(a,h)anthracene	84		83		40-140	1		30
Indeno(1,2,3-cd)pyrene	80		80		40-140	0		30
Pyrene	80		78		26-127	3		30
Biphenyl	64		62		40-140	3		30
4-Chloroaniline	44		49		40-140	11		30
2-Nitroaniline	83		84		52-143	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1955747-2 WG1955747-3								
3-Nitroaniline	82		81		25-145	1		30
4-Nitroaniline	84		84		51-143	0		30
Dibenzofuran	72		69		40-140	4		30
2-Methylnaphthalene	64		64		40-140	0		30
1,2,4,5-Tetrachlorobenzene	58		60		2-134	3		30
Acetophenone	68		63		39-129	8		30
2,4,6-Trichlorophenol	72		54		30-130	29		30
p-Chloro-m-cresol	78		65		23-97	18		30
2-Chlorophenol	74		52		27-123	35	Q	30
2,4-Dichlorophenol	74		50		30-130	39	Q	30
2,4-Dimethylphenol	63		61		30-130	3		30
2-Nitrophenol	81		53		30-130	42	Q	30
4-Nitrophenol	46		35		10-80	27		30
2,4-Dinitrophenol	68		33		20-130	69	Q	30
4,6-Dinitro-o-cresol	85		54		20-164	45	Q	30
Pentachlorophenol	74		36		9-103	69	Q	30
Phenol	37		30		12-110	21		30
2-Methylphenol	68		59		30-130	14		30
3-Methylphenol/4-Methylphenol	66		56		30-130	16		30
2,4,5-Trichlorophenol	77		57		30-130	30		30
Benzoic Acid	42		0	Q	10-164	NC		30
Benzyl Alcohol	63		60		26-116	5		30
Carbazole	80		78		55-144	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1955747-2 WG1955747-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		43		21-120
Phenol-d6	42		32		10-120
Nitrobenzene-d5	66		64		23-120
2-Fluorobiphenyl	70		62		15-120
2,4,6-Tribromophenol	100		75		10-120
4-Terphenyl-d14	85		81		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1955748-2 WG1955748-3								
Acenaphthene	78		77		40-140	1		40
2-Chloronaphthalene	70		70		40-140	0		40
Fluoranthene	76		71		40-140	7		40
Hexachlorobutadiene	56		60		40-140	7		40
Naphthalene	63		65		40-140	3		40
Benzo(a)anthracene	88		85		40-140	3		40
Benzo(a)pyrene	75		73		40-140	3		40
Benzo(b)fluoranthene	76		75		40-140	1		40
Benzo(k)fluoranthene	77		73		40-140	5		40
Chrysene	80		77		40-140	4		40
Acenaphthylene	70		69		40-140	1		40
Anthracene	82		80		40-140	2		40
Benzo(ghi)perylene	77		75		40-140	3		40
Fluorene	76		74		40-140	3		40
Phenanthrene	80		78		40-140	3		40
Dibenzo(a,h)anthracene	80		78		40-140	3		40
Indeno(1,2,3-cd)pyrene	84		82		40-140	2		40
Pyrene	74		68		40-140	8		40
2-Methylnaphthalene	66		67		40-140	2		40
Pentachlorophenol	92		56		40-140	49	Q	40
Hexachlorobenzene	89		90		40-140	1		40
Hexachloroethane	50		55		40-140	10		40

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08,10 Batch: WG1955748-2 WG1955748-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		40		21-120
Phenol-d6	38		32		10-120
Nitrobenzene-d5	63		63		23-120
2-Fluorobiphenyl	76		74		15-120
2,4,6-Tribromophenol	99		70		10-120
4-Terphenyl-d14	78		72		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1955747-4 WG1955747-5 QC Sample: L2443118-05 Client ID: GW-05												
1,2,4-Trichlorobenzene	ND	20	14	70		13	65		39-98	7		30
Bis(2-chloroethyl)ether	ND	20	15	75		15	75		40-140	0		30
1,2-Dichlorobenzene	ND	20	15	75		15	75		40-140	0		30
1,3-Dichlorobenzene	ND	20	15	75		14	70		40-140	7		30
1,4-Dichlorobenzene	ND	20	14	70		14	70		36-97	0		30
3,3'-Dichlorobenzidine	ND	20	17	85		14	70		40-140	19		30
2,4-Dinitrotoluene	ND	20	18	90		17	85		48-143	6		30
2,6-Dinitrotoluene	ND	20	18	90		16	80		40-140	12		30
4-Chlorophenyl phenyl ether	ND	20	17	85		15	75		40-140	13		30
4-Bromophenyl phenyl ether	ND	20	17	85		16	80		40-140	6		30
Bis(2-chloroisopropyl)ether	ND	20	8.0	40		8.2	41		40-140	2		30
Bis(2-chloroethoxy)methane	ND	20	15	75		14	70		40-140	7		30
Hexachlorocyclopentadiene	ND	20	12.J	60		11.J	55		40-140	9		30
Isophorone	ND	20	15	75		15	75		40-140	0		30
Nitrobenzene	ND	20	16	80		15	75		40-140	6		30
NDPA/DPA	ND	20	17	85		16	80		40-140	6		30
n-Nitrosodi-n-propylamine	ND	20	15	75		14	70		29-132	7		30
Bis(2-ethylhexyl)phthalate	ND	20	18	90		16	80		40-140	12		30
Butyl benzyl phthalate	ND	20	18	90		16	80		40-140	12		30
Di-n-butylphthalate	ND	20	19	95		17	85		40-140	11		30
Di-n-octylphthalate	ND	20	19	95		17	85		40-140	11		30
Diethyl phthalate	2.2J	20	17	85		16	80		40-140	6		30
Dimethyl phthalate	ND	20	17	85		14	70		40-140	19		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1955747-4 WG1955747-5 QC Sample: L2443118-05 Client ID: GW-05												
Biphenyl	ND	20	15	75		14	70		40-140	7		30
4-Chloroaniline	ND	20	11	55		9.6	48		40-140	14		30
2-Nitroaniline	ND	20	18	90		16	80		52-143	12		30
3-Nitroaniline	ND	20	18	90		16	80		25-145	12		30
4-Nitroaniline	ND	20	17	85		15	75		51-143	13		30
Dibenzofuran	ND	20	17	85		15	75		40-140	13		30
1,2,4,5-Tetrachlorobenzene	ND	20	14	70		13	65		2-134	7		30
Acetophenone	ND	20	16	80		15	75		39-129	6		30
2,4,6-Trichlorophenol	ND	20	8.2	41		7.7	39		30-130	6		30
p-Chloro-m-cresol	ND	20	15	75		14	70		23-97	7		30
2-Chlorophenol	ND	20	10	50		9.8	49		27-123	2		30
2,4-Dichlorophenol	ND	20	10	50		10	50		30-130	0		30
2,4-Dimethylphenol	ND	20	15	75		13	65		30-130	14		30
2-Nitrophenol	ND	20	9.7J	49		10	50		30-130	3		30
4-Nitrophenol	ND	20	4.8J	24		4.5J	23		10-80	6		30
2,4-Dinitrophenol	ND	20	8.9J	45		8.0J	40		20-130	11		30
4,6-Dinitro-o-cresol	ND	20	9.2J	46		7.9J	40		20-164	15		30
Phenol	1.1J	20	9.3	47		11	55		12-110	17		30
2-Methylphenol	ND	20	14	70		14	70		30-130	0		30
3-Methylphenol/4-Methylphenol	ND	20	13	65		13	65		30-130	0		30
2,4,5-Trichlorophenol	ND	20	9.0	45		8.8	44		30-130	2		30
Benzoic Acid	8.1J	20	11.J	55		11.J	55		10-164	0		30
Benzyl Alcohol	ND	20	15	75		14	70		26-116	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1955747-4 WG1955747-5 QC Sample: L2443118-05 Client ID: GW-05												
Carbazole	ND	20	19	95		16	80		55-144	17		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	60		54		10-120
2-Fluorobiphenyl	81		77		15-120
2-Fluorophenol	34		32		21-120
4-Terphenyl-d14	93		86		41-149
Nitrobenzene-d5	81		74		23-120
Phenol-d6	31		32		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1955748-4 WG1955748-5 QC Sample: L2443118-05 Client ID: GW-05												
Acenaphthene	ND	20	18	90		17	85		40-140	6		40
2-Chloronaphthalene	ND	20	17	85		15	75		40-140	13		40
Fluoranthene	ND	20	16	80		14	70		40-140	13		40
Hexachlorobutadiene	ND	20	14	70		13	65		40-140	7		40
Naphthalene	ND	20	16	80		14	70		40-140	13		40
Benzo(a)anthracene	ND	20	20	100		18	90		40-140	11		40
Benzo(a)pyrene	ND	20	17	85		15	75		40-140	13		40
Benzo(b)fluoranthene	ND	20	17	85		15	75		40-140	13		40
Benzo(k)fluoranthene	ND	20	16	80		15	75		40-140	6		40
Chrysene	ND	20	18	90		16	80		40-140	12		40
Acenaphthylene	ND	20	16	80		14	70		40-140	13		40
Anthracene	ND	20	18	90		16	80		40-140	12		40
Benzo(ghi)perylene	ND	20	18	90		16	80		40-140	12		40
Fluorene	ND	20	17	85		16	80		40-140	6		40
Phenanthrene	ND	20	18	90		16	80		40-140	12		40
Dibenzo(a,h)anthracene	ND	20	19	95		16	80		40-140	17		40
Indeno(1,2,3-cd)pyrene	ND	20	20	100		17	85		40-140	16		40
Pyrene	ND	20	16	80		14	70		40-140	13		40
2-Methylnaphthalene	ND	20	16	80		14	70		40-140	13		40
Pentachlorophenol	ND	20	10	50		9.0	45		40-140	11		40
Hexachlorobenzene	ND	20	21	110		19	95		40-140	10		40
Hexachloroethane	ND	20	13	65		12	60		40-140	8		40

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1955748-4 WG1955748-5 QC Sample: L2443118-05 Client ID: GW-05												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	57		55		10-120
2-Fluorobiphenyl	89		80		15-120
2-Fluorophenol	32		29		21-120
4-Terphenyl-d14	83		73		41-149
Nitrobenzene-d5	74		68		23-120
Phenol-d6	32		29		10-120

METALS

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0302		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00131		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Barium, Total	0.08263		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Calcium, Total	99.2		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00043	J	mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00025	J	mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Iron, Total	7.16		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Magnesium, Total	32.2		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Manganese, Total	2.018		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 08:47	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00082	J	mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Potassium, Total	23.9		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Sodium, Total	248.		mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 08:46	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00084		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.06232		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-01
Client ID: GW-01
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 11:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	91.7		mg/l	0.100	0.0394	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00025	J	mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.352		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	31.4		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	1.872		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 09:52	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00086	J	mg/l	0.00200	0.00055	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	24.5		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	249.		mg/l	0.100	0.0293	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/07/24 14:04	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
 Client ID: GW-02
 Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
 Date Received: 07/31/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0108		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00388		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Barium, Total	0.1674		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Calcium, Total	198.		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00077	J	mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00018	J	mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Copper, Total	0.00048	J	mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Iron, Total	8.02		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Magnesium, Total	47.8		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Manganese, Total	4.711		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 08:50	EPA 7470A	1,7470A	JWN
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Potassium, Total	47.5		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Sodium, Total	249.		mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Vanadium, Total	0.00179	J	mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 08:51	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00290		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.1218		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-02
Client ID: GW-02
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:58
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	197.		mg/l	0.100	0.0394	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	0.00022	J	mg/l	0.00100	0.00017	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.179		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	48.9		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	4.590		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 09:55	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	48.5		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	250.		mg/l	1.00	0.293	10	08/02/24 23:56	08/07/24 14:51	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/07/24 14:08	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
 Client ID: GW-03
 Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
 Date Received: 07/31/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.183		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00459		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Barium, Total	0.05268		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Calcium, Total	90.6		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00357		mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00027	J	mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Copper, Total	0.00130		mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Iron, Total	2.94		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Lead, Total	0.00052	J	mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Magnesium, Total	15.4		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Manganese, Total	0.5136		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 08:54	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00084	J	mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Potassium, Total	25.8		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Sodium, Total	74.3		mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Vanadium, Total	0.00159	J	mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 09:28	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00333	J	mg/l	0.0100	0.00327	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00430		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.03648		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-03
Client ID: GW-03
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	92.6		mg/l	0.100	0.0394	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	0.00090	J	mg/l	0.00100	0.00017	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00020	J	mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.340		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	15.8		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.5016		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 10:05	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00075	J	mg/l	0.00200	0.00055	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	27.0		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	79.4		mg/l	0.100	0.0293	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/07/24 14:13	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
 Client ID: GW-04
 Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
 Date Received: 07/31/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.116		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00390		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Barium, Total	0.1014		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Calcium, Total	52.0		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00092	J	mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00075		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Copper, Total	0.00063	J	mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Iron, Total	13.2		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Lead, Total	0.00072	J	mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Magnesium, Total	12.0		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Manganese, Total	0.3509		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 08:57	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00222		mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Potassium, Total	31.2		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Sodium, Total	62.6		mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Zinc, Total	0.00378	J	mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 09:33	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00338	J	mg/l	0.0100	0.00327	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00117		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.08946		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-04
Client ID: GW-04
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 10:55
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	49.9		mg/l	0.100	0.0394	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	0.00023	J	mg/l	0.00100	0.00017	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00058		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.00041	J	mg/l	0.00100	0.00038	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Iron, Dissolved	3.53		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	12.0		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.3291		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 10:08	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00195	J	mg/l	0.00200	0.00055	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	30.6		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	62.4		mg/l	0.100	0.0293	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/07/24 14:29	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0436		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Antimony, Total	0.00130	J	mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00060		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Barium, Total	0.1019		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Calcium, Total	124.		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00081	J	mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00039	J	mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Copper, Total	0.00246		mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Iron, Total	0.0645		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Magnesium, Total	11.0		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Manganese, Total	0.03081		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 08:37	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00069	J	mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Potassium, Total	66.6		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Sodium, Total	94.6		mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 08:20	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00118	J	mg/l	0.00400	0.00042	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00039	J	mg/l	0.00050	0.00016	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.09463		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-05
Client ID: GW-05
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:05
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	106.		mg/l	0.100	0.0394	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	0.00047	J	mg/l	0.00100	0.00017	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00029	J	mg/l	0.00050	0.00016	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.00197		mg/l	0.00100	0.00038	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	10.2		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.00847		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 09:42	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	61.7		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 13:37	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	93.8		mg/l	0.100	0.0293	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/06/24 19:12	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3.60		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Antimony, Total	0.00107	J	mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.01022		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Barium, Total	0.01336		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Calcium, Total	20.9		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00047	J	mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00026	J	mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Copper, Total	0.00701		mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Iron, Total	0.138		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Lead, Total	0.00037	J	mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Magnesium, Total	0.548		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Manganese, Total	0.01691		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 09:33	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00564		mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Potassium, Total	45.6		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Sodium, Total	89.8		mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Vanadium, Total	0.02613		mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 09:37	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	4.35		mg/l	0.0100	0.00327	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00145	J	mg/l	0.00400	0.00042	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00947		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.01257		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-06
Client ID: GW-06
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:10
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	21.7		mg/l	0.100	0.0394	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00028	J	mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.01002		mg/l	0.00100	0.00038	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.0678		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	0.358		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.00922		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	0.00011	J	mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 10:12	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00738		mg/l	0.00200	0.00055	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	41.8		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	0.00176	J	mg/l	0.00500	0.00173	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	79.8		mg/l	0.100	0.0293	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	0.02872		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/07/24 14:33	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
 Client ID: GW-07
 Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
 Date Received: 07/31/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0329		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00283		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Barium, Total	0.07697		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Calcium, Total	130.		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00072	J	mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Copper, Total	0.00040	J	mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Iron, Total	7.08		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Lead, Total	0.00067	J	mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Magnesium, Total	9.06		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Manganese, Total	0.8833		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 09:36	EPA 7470A	1,7470A	JWN
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Potassium, Total	12.9		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Sodium, Total	35.3		mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 09:41	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.00160		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.06373		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-07
Client ID: GW-07
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	125.		mg/l	0.100	0.0394	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.00043	J	mg/l	0.00100	0.00038	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.844		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	9.92		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.8876		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 10:15	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	13.1		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	37.8		mg/l	0.100	0.0293	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/07/24 14:38	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4.41		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Antimony, Total	0.00140	J	mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.01003		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Barium, Total	0.01335		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Calcium, Total	23.3		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00050	J	mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00032	J	mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Copper, Total	0.01454		mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Iron, Total	0.120		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Lead, Total	0.00065	J	mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Magnesium, Total	0.510		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Manganese, Total	0.01578		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 09:40	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00841		mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Potassium, Total	39.2		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Sodium, Total	80.2		mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Vanadium, Total	0.03011		mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 09:46	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	4.56		mg/l	0.0100	0.00327	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	0.00160	J	mg/l	0.00400	0.00042	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	0.01007		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Barium, Dissolved	0.01322		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-08
Client ID: DUP-073124
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 12:00
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	22.7		mg/l	0.100	0.0394	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	0.00031	J	mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Copper, Dissolved	0.01330		mg/l	0.00100	0.00038	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Iron, Dissolved	0.0693		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Lead, Dissolved	0.00041	J	mg/l	0.00100	0.00034	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	0.581		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	0.01470		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	0.00012	J	mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 10:18	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	0.00879		mg/l	0.00200	0.00055	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	43.1		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	0.00224	J	mg/l	0.00500	0.00173	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	81.5		mg/l	0.100	0.0293	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	0.02887		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/07/24 14:42	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
 Client ID: FIELD BLANK
 Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
 Date Received: 07/31/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00027	J	mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 09:43	EPA 7470A	1,7470A	JWN
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Sodium, Total	0.0908	J	mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 09:14	EPA 3005A	1,6020B	EJF
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

SAMPLE RESULTS

Lab ID: L2443118-10
Client ID: FIELD BLANK
Sample Location: 2-33 50TH AVE., LIC, NY

Date Collected: 07/31/24 09:18
Date Received: 07/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 10:22	EPA 7470A	1,7470A	JWN
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Sodium, Dissolved	0.185		mg/l	0.100	0.0293	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/07/24 14:47	EPA 3005A	1,6020B	EJF



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08,10 Batch: WG1954271-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Manganese, Total	0.00053	J	mg/l	0.00100	0.00044	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Sodium, Total	0.0606	J	mg/l	0.100	0.0293	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/02/24 03:43	08/07/24 08:11	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08,10 Batch: WG1954274-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/02/24 03:45	08/07/24 08:31	1,7470A	JWN



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-08,10 Batch: WG1954643-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Copper, Dissolved	0.00045	J	mg/l	0.00100	0.00038	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Sodium, Dissolved	0.0832	J	mg/l	0.100	0.0293	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Thallium, Dissolved	0.00015	J	mg/l	0.00100	0.00014	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/02/24 23:56	08/06/24 19:03	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-08,10 Batch: WG1954644-1										
Mercury, Dissolved	0.00010	J	mg/l	0.00020	0.00009	1	08/03/24 02:18	08/07/24 09:35	1,7470A	JWN

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1954271-2								
Aluminum, Total	108		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Barium, Total	104		-		80-120	-		
Beryllium, Total	106		-		80-120	-		
Cadmium, Total	101		-		80-120	-		
Calcium, Total	97		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Cobalt, Total	107		-		80-120	-		
Copper, Total	106		-		80-120	-		
Iron, Total	115		-		80-120	-		
Lead, Total	97		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	108		-		80-120	-		
Nickel, Total	107		-		80-120	-		
Potassium, Total	100		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	107		-		80-120	-		
Sodium, Total	110		-		80-120	-		
Thallium, Total	97		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1954271-2					
Zinc, Total	93	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1954274-2					
Mercury, Total	105	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1954643-2					
Aluminum, Dissolved	95	-	80-120	-	
Antimony, Dissolved	97	-	80-120	-	
Arsenic, Dissolved	104	-	80-120	-	
Barium, Dissolved	105	-	80-120	-	
Beryllium, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	82	-	80-120	-	
Chromium, Dissolved	96	-	80-120	-	
Cobalt, Dissolved	104	-	80-120	-	
Copper, Dissolved	108	-	80-120	-	
Iron, Dissolved	105	-	80-120	-	
Lead, Dissolved	114	-	80-120	-	
Magnesium, Dissolved	96	-	80-120	-	
Manganese, Dissolved	103	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	90	-	80-120	-	
Selenium, Dissolved	104	-	80-120	-	
Silver, Dissolved	111	-	80-120	-	
Sodium, Dissolved	108	-	80-120	-	
Thallium, Dissolved	113	-	80-120	-	
Vanadium, Dissolved	88	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1954643-2					
Zinc, Dissolved	104	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1954644-2					
Mercury, Dissolved	91	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954271-3 WG1954271-4 QC Sample: L2443118-05 Client ID: GW-05												
Aluminum, Total	0.0436	2	2.15	105		2.13	104		75-125	1		20
Antimony, Total	0.00130J	0.5	0.4796	96		0.4741	95		75-125	1		20
Arsenic, Total	0.00060	0.12	0.1295	107		0.1251	104		75-125	3		20
Barium, Total	0.1019	2	2.204	105		2.117	101		75-125	4		20
Beryllium, Total	ND	0.05	0.05318	106		0.05201	104		75-125	2		20
Cadmium, Total	ND	0.053	0.05428	102		0.05247	99		75-125	3		20
Calcium, Total	124.	10	132	80		126	20	Q	75-125	5		20
Chromium, Total	0.00081J	0.2	0.2061	103		0.1984	99		75-125	4		20
Cobalt, Total	0.00039J	0.5	0.5328	106		0.5126	102		75-125	4		20
Copper, Total	0.00246	0.25	0.2675	106		0.2602	103		75-125	3		20
Iron, Total	0.0645	1	1.17	110		1.12	106		75-125	4		20
Lead, Total	ND	0.53	0.5238	99		0.5131	97		75-125	2		20
Magnesium, Total	11.0	10	20.8	98		20.7	97		75-125	0		20
Manganese, Total	0.03081	0.5	0.5611	106		0.5440	103		75-125	3		20
Nickel, Total	0.00069J	0.5	0.5272	105		0.5034	101		75-125	5		20
Potassium, Total	66.6	10	83.6	170	Q	80.9	143	Q	75-125	3		20
Selenium, Total	ND	0.12	0.119	99		0.124	103		75-125	4		20
Silver, Total	ND	0.05	0.05328	106		0.05225	104		75-125	2		20
Sodium, Total	94.6	10	103	84		102	74	Q	75-125	1		20
Thallium, Total	ND	0.12	0.1182	98		0.1151	96		75-125	3		20
Vanadium, Total	ND	0.5	0.4773	95		0.4675	94		75-125	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954271-3 WG1954271-4 QC Sample: L2443118-05 Client ID: GW-05									
Zinc, Total	ND	0.5	0.4566	91	0.4417	88	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954274-3 WG1954274-4 QC Sample: L2443118-05 Client ID: GW-05									
Mercury, Total	ND	0.005	0.00472	94	0.00480	96	75-125	2	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954643-3 WG1954643-4 QC Sample: L2443118-05 Client ID: GW-05									
Aluminum, Dissolved	ND	2	1.96	98	2.06	103	75-125	5	20
Antimony, Dissolved	0.00118J	0.5	0.5614	112	0.5851	117	75-125	4	20
Arsenic, Dissolved	0.00039J	0.12	0.1284	107	0.1338	112	75-125	4	20
Barium, Dissolved	0.09463	2	2.199	105	2.275	109	75-125	3	20
Beryllium, Dissolved	ND	0.05	0.05349	107	0.05470	109	75-125	2	20
Cadmium, Dissolved	ND	0.053	0.05559	105	0.05688	107	75-125	2	20
Calcium, Dissolved	106.	10	120	140	Q 125	190	Q 75-125	4	20
Chromium, Dissolved	0.00047J	0.2	0.1964	98	0.2050	102	75-125	4	20
Cobalt, Dissolved	0.00029J	0.5	0.5349	107	0.5571	111	75-125	4	20
Copper, Dissolved	0.00197	0.25	0.2761	110	0.2871	114	75-125	4	20
Iron, Dissolved	ND	1	1.11	111	1.16	116	75-125	4	20
Lead, Dissolved	ND	0.53	0.5869	111	0.6107	115	75-125	4	20
Magnesium, Dissolved	10.2	10	21.2	110	21.8	116	75-125	3	20
Manganese, Dissolved	0.00847	0.5	0.5336	105	0.5603	110	75-125	5	20
Nickel, Dissolved	ND	0.5	0.5246	105	0.5466	109	75-125	4	20
Potassium, Dissolved	61.7	10	88.2	265	Q 89.4	277	Q 75-125	1	20
Selenium, Dissolved	ND	0.12	0.118	98	0.119	99	75-125	1	20
Silver, Dissolved	ND	0.05	0.05455	109	0.05593	112	75-125	2	20
Sodium, Dissolved	93.8	10	113	192	Q 115	212	Q 75-125	2	20
Thallium, Dissolved	ND	0.12	0.1300	108	0.1348	112	75-125	4	20
Vanadium, Dissolved	ND	0.5	0.4471	89	0.4556	91	75-125	2	20

Matrix Spike Analysis

Batch Quality Control

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954643-3 WG1954643-4 QC Sample: L2443118-05 Client ID: GW-05									
Zinc, Dissolved	ND	0.5	0.5148	103	0.5376	108	75-125	4	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954644-3 WG1954644-4 QC Sample: L2443118-05 Client ID: GW-05									
Mercury, Dissolved	ND	0.005	0.00419	84	0.00433	87	75-125	3	20

Project Name: VOREA
Project Number: 2887.0004Y000

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2443118
Report Date: 08/07/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954271-6 QC Sample: L2443118-05 Client ID: GW-05						
Barium, Total	0.1019	0.1013	mg/l	1		20
Calcium, Total	124.	120.	mg/l	3		20
Magnesium, Total	11.0	10.6	mg/l	4		20
Manganese, Total	0.03081	0.03017	mg/l	2		20
Potassium, Total	66.6	71.5	mg/l	7		20
Sodium, Total	94.6	92.2	mg/l	3		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954643-6 QC Sample: L2443118-05 Client ID: GW-05						
Barium, Dissolved	0.09463	0.08970	mg/l	5		20
Calcium, Dissolved	106.	98.3	mg/l	7		20
Magnesium, Dissolved	10.2	9.58	mg/l	6		20
Sodium, Dissolved	93.8	87.3	mg/l	7		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1954643-6 QC Sample: L2443118-05 Client ID: GW-05						
Potassium, Dissolved	61.7	65.4	mg/l	6		20

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2443118-01A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-01B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-01C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-01D	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-01E	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-01F	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2443118-01G	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		-
L2443118-01X	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NI-6020S(180),TL-6020S(180),NA-6020S(180),BA-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2443118-02A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-02B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-02C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-02D	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-02E	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2443118-02F	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2443118-02G	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		-
L2443118-02X	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2443118-03A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-03B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-03C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-03D	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-03E	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-03F	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		TL-6020T(180),SE-6020T(180),FE-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),CO-6020T(180)
L2443118-03G	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		-
L2443118-03X	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),BA-6020S(180),PB-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2443118-04A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-04B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-04C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-04D	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-04E	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-04F	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AL-6020T(180),AG-6020T(180),CO-6020T(180)
L2443118-04G	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		-
L2443118-04X	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),CO-6020S(180),BE-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2443118-05A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05A1	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05A2	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05B1	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05B2	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05C1	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05C2	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-05D	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2443118-05D1	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-05D2	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-05E	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-05E1	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-05E2	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-05F	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2443118-05F1	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2443118-05F2	Plastic 250ml HNO3 preserved	B	7	<2	3.2	N	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2443118-05G	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		-
L2443118-05G1	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		-
L2443118-05G2	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		-

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2443118-05X	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		K-6020S(180),CU-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2443118-05X1	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		K-6020S(180),CU-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2443118-05X2	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		K-6020S(180),CU-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2443118-06A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-06B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-06C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-06D	Amber 100ml unpreserved	B	10	10	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-06E	Amber 100ml unpreserved	B	10	10	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-06F	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),CO-6020T(180)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2443118-06G	Plastic 250ml unpreserved	B	10	10	3.2	Y	Absent		-
L2443118-06X	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		CU-6020S(180),V-6020S(180),SE-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),TL-6020S(180),PB-6020S(180),NA-6020S(180),BA-6020S(180),NI-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2443118-07A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-07B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-07C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-07D	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-07E	Amber 100ml unpreserved	B	7	7	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-07F	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),HG-T(28),CD-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2443118-07G	Plastic 250ml unpreserved	B	7	7	3.2	Y	Absent		-
L2443118-07X	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2443118-08A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-08B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-08C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2443118-08D	Amber 100ml unpreserved	B	10	10	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: VOREA
Project Number: 2887.0004Y000

Serial_No: 08072418:39
Lab Number: L2443118
Report Date: 08/07/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2443118-08E	Amber 100ml unpreserved	B	10	10	3.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-08F	Plastic 250ml HNO3 preserved	B	<2	<2	3.2	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2443118-08G	Plastic 250ml unpreserved	B	10	10	3.2	Y	Absent		-
L2443118-08X	Plastic 120ml HNO3 preserved Filtrates	B	N/A	N/A	3.2	Y	Absent		V-6020S(180),SE-6020S(180),K-6020S(180),CU-6020S(180),MN-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),BE-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2443118-09A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2443118-09B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2443118-10A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2443118-10B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2443118-10C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2443118-10D	Amber 100ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-10E	Amber 100ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2443118-10F	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180)
L2443118-10G	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-

Project Name: VOREA
Project Number: 2887.0004Y000

Serial_No: 08072418:39
Lab Number: L2443118
Report Date: 08/07/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2443118-10X	Plastic 120ml HNO3 preserved Filtrates	A	N/A	N/A	3.5	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),NI-6020S(180),TL-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: VOREA
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Report Date: 08/07/24

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L2443118 07AUG24

ROUX - NY


**NEW YORK
CHAIN OF
CUSTODY**

 Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

 Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

 Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page

1 of 1

Date Rec'd

in Lab 7/31/24

Project Information

 Project Name: Varen
Project Location: 2-33 50th Ave LIC, NY
Project # 2887.0004Y000
(Use Project name as Project #) ☐

Project Manager: Alexander Policastro

ALPHAQuote #:

Turn-Around Time

 Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQUIS (1 File) ☐ EQUIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Client Information

 Client: Roux
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: apolcastro@Roux.com

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ ☐ NY
☐ Other:
These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

 NYTCL-8260
NYTCL-8270 -
SEM - RVT (QEC)
Dissolved Metals
Total Metals
Hg

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☒ Lab to do

(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	NYT	NYTC	ISE	Disoln	Total						Sample Specific Comments	1 e
		Date	Time														
43118-01	GW-01	7/31/24	11:55	GW	PP	x	x	x	x							7	
-02	GW-02	7/31/24	10:58	GW	PP	x	x	x	x							7	
-03	GW-03	7/31/24	12:55	GW	PP	x	x	x	x							7	
-04	GW-04	7/31/24	10:55	GW	~~PP~~ MT	x	x	x	x							7	
-05	GW-05	7/31/24	09:05	GW	PP	x	x	x	x						MS/MSD 3 volumes	21	
-06	GW-06	7/31/24	09:10	GW	MT	x	x	x	x							7	
-07	GW-07	7/31/24	12:18	GW	~~PP~~ MT	x	x	x	x							7	
-08	DUP-073124	7/31/24	12:00	GW	MT	x	x	x	x							7	
-09	TRIP BLANK	LAB	LAB	GW	LAB	x										2	
-10	FIELD BLANK	7/31/24	09:18	GW	PP	x	x	x	x							7	

Preservative Code:

 A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

 P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
Q = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

V A P P

Preservative

B A A C

Form No: 01-25 HC (rev. 30-Sept-2013)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
PNTW	7/31/24	GJAC (PAC)	7/31/24, 15:15
GJAC	7/31/24, 17:31	NJSC	7/31/24, 17:31
NJSC	7/31/24, 17:31	Paul Mazzella	7/31/24, 17:31
Paul Mazzella	7/31/24, 22:10	Paul Mazzella	7/31/24, 22:10

Groundwater Monitoring Plan Summary Report
2-33 50th Avenue, Long Island City, New York
NYSDEC Site Number: C241251

ATTACHMENT 2

Data Usability Summary Report



ENVIRONMENTAL CONSULTING & MANAGEMENT

ROUX ASSOCIATES INC

200 Summit Drive, Suite 500
Burlington, Massachusetts 01803 TEL 781-569-4000

August 28, 2024

Alexander Policastro
Roux Associates, Inc.
Islandia, NY 11749

Re: Data Usability Summary Report (DUSR) for 2-33 50th Ave, LIC, NY

Dear Mr. Policastro:

Data review was performed for the data packages generated by Alpha Analytical for samples collected at 2-33 50th Ave, LIC, NY. g groundwater collected between October 2023 and July 2024 are discussed in this DUSR.

The data validation was done with guidance from Department of Defense (DOD)¹ and United States Environmental Protection Agency (USEPA)^{2 3} validation documents and included the following items:

- Data completeness
- Laboratory case narratives
- Chain of custody documentation
- Holding times
- Surrogate and internal standard recoveries
- Method, Field, and Trip Blanks
- Laboratory control samples (LCS)/ Laboratory control sample duplicates (LCSD)
- Matrix spike/matrix spike duplicates (MS/MSD)
- Field duplicate samples
- Instrument tunes
- Initial calibration, initial calibration verification, and continuing calibration results

Only items above that have issues potentially affecting data usability are discussed in this report. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B section 2.0. Definitions for data qualifiers are defined at the end of the report.

Data Deliverable Completeness

Full deliverable data packages were provided by the laboratory, which included reporting forms and raw data necessary to validate the reported analytical results.

¹ USDOD, Environmental Data Quality Workgroup. *Data Validation Guidelines Module 5: Data Validation Procedure for Metals by ICP-MS*. 11/09/2022.

² USEPA. *National Functional Guidelines for Inorganic Superfund Method Data Review*. EPA 542-R-20-006. November, 2020.

³ USEPA. *National Functional Guidelines for Organic Superfund Method Data Review*. EPA 540-R-20-005. November, 2020.

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Sample Receipt/Holding Times

Unless noted below, all samples were received by the laboratory intact and analyzed within the required holding time.

Alpha Analytical Job : L2364312

VOC Analyses by USEPA Method 8260D

4-Methyl-2-pentanone exceeded RPD for the LCS/LCSD. The analytes J qualifiers for the sample above the reporting limit in sample GW-D2.

Naphthalene had low recovery in the LCS and acceptable recovery in the LCSD. The analytes were given UJ qualifiers if non-detect or J qualifiers if above the reporting limit in samples GW-D1, GW-D2, and GW-D7.

The %D for acetone, acrylonitrile, 2-butanone, 4-methyl-2 pentanone, 2-hexanone, trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane, naphthalene, and 1,2,3-trichlorobenzene were outside the acceptable limits for the CCV. The analytes were given UJ qualifiers if non-detect or J qualifiers if above the reporting limit in samples GW-D1, GW-D2, and GW-D7.

SVOCs Analyses by USEPA Method 8270

The %R was outside of control limits for benzoic acid within the LCS/ LCSD. The analytes were given R qualifiers if non-detect or J- qualifiers if above the reporting limit in samples GW-D1, GW-D2, and GW-D7.

The %D was outside of control limits for Bis(2-chloroisopropyl) ether, 2-nitrophenol, hexachlorocyclopentadiene, and 2,4-dinitrophenol within the CCV. The analytes were given UJ qualifiers if non-detect or J qualifiers if above the reporting limit in samples GW-D1, GW-D2, and GW-D7.

SVOCs Analyses by USEPA Method 8270D-SIM

No additional qualifiers needed.

Metals Analyses by USEPA Method 6020B

Total aluminum, total barium and total chromium were detected within the field blank above the method detection limit but below the reporting limit. The analytes were given no additional qualifiers if non-detect or J+ qualifiers if above the reporting limit in samples GW-D1, GW-D2, and GW-D7.

Dissolved antimony, dissolved calcium, and dissolved barium were detected within the field blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting limit in samples GW-D1, GW-D2, and GW-D7.

Mercury Analysis by USEPA Method 7470A

Mercury was detected below the reporting limit within the blank for total mercury. The analyte was given J- qualifiers if above the method detection limit and below the reporting limit in samples GW-D1, GW-D2, and GW-D7.

Alpha Analytical Job: L2364605

VOC Analyses by USEPA Method 8260D

Acetone exceeded RPD for the LCS/LCSD. The analyte was given a J qualifies in sample GW-06.

SVOCs Analyses by USEPA Method 8270E

No additional qualifiers required.

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SVOCs Analyses by USEPA Method 8270E-SIM

No additional qualifiers required.

Metals Analyses by USEPA Method 6020B

Total thallium was detected within the preparation blank above the method detection limit but below the reporting limit. The analyte was given no additional qualifiers if non-detect or J+ qualifiers if above the reporting limit in samples GW-04, GW-05, and GW-06.

Mercury Analysis by USEPA Method 7470A

Mercury was detected below the reporting limit within the preparation blank for total mercury. The analyte was given J+ qualifiers if above the method detection limit and below the reporting limit in samples GW-04, GW-05, and GW-06.

Alpha Analytical Job : L2404894

VOC Analyses by USEPA Method 8260D

The %R was outside of control limits for trans-1,4-Dichloro-2-butene within the LCS/CLCSD. The analytes were given R qualifiers if non-detect in samples GW-01, GW-02, GW-04, GW-05, GW-06, and GW-07.

The %R was outside of control limits for naphthalene within the MS/MSD. The analytes were given UJ qualifiers if non-detect or J qualifiers if above the reporting limit in samples GW-01, GW-02, GW-04, GW-05, GW-06, and GW-07.

SVOCs Analyses by USEPA Method 8270E

No additional qualifiers required.

SVOCs Analyses by USEPA Method 8270E-SIM

No additional qualifiers required.

Metals Analyses by USEPA Method 6020B

Dissolved barium, dissolved calcium, dissolved chromium, and thallium were detected within the field blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-01, GW-02, GW-04, GW-05, GW-06, and GW-07.

Dissolved aluminum was detected in the preparation blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting limit in samples GW-01, GW-02, GW-04, GW-05, GW-06, and GW-07.

The %R and RPD were outside of control limits for dissolved iron and total calcium within the MS/MSD. The post digestion spike was within the control limits. The analytes were given J qualifiers if above the reporting detection limit in samples GW-04.

Mercury Analysis by USEPA Method 7470A

Mercury was detected below the reporting limit in the preparation blank for dissolved mercury. The analyte was given J- qualifiers if above the method detection limit and below the reporting limit in samples GW-01, GW-02, GW-04, GW-05, GW-06, and GW-07.

Alpha Analytical Job : L2410677

VOC Analyses by USEPA Method 8260D

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The %D for bromomethane, 4-methyl-2-pentanone, ethyl methacrylate, 2-hexanone, styrene, naphthalene, and 1,2,3-trichlorobenzene is outside of control limits within the CCV. The analytes were given UJ qualifiers if non-detect in sample GW-03.

SVOCs Analyses by USEPA Method 8270E

The % recovery for benzoic acid was outside of control limits within the LCS/LCSD. The analytes were given R qualifiers if non-detect in sample GW-03.

The % recovery 3,3'-Dichlorobenzidine was outside of control limits within the MS/MSD. The analytes were given R qualifiers if non-detect in sample GW-03.

The %D for 2-Nitrophenol, 2, 4-dimethylphenol, and di-n-butylphthalate were outside of control limits within the CCV. The analytes were given UJ qualifiers if non-detect in sample GW-03.

SVOCs Analyses by USEPA Method 8270E-SIM

The %D for 2,4,6-tribromophenol, 2,4-dinitrotoluene, nitrobenzene-D5, 2,6-dinitrotoluene, 2,4,6-tribromophenol, nitrobenzene-D5 and pentachlorophenol were outside of control limits within the CCV. The analytes were given UJ qualifiers if non-detect and J qualifiers if detect in sample GW-03.

Metals Analyses by USEPA Method 6020B

Total barium and total calcium were detected within the field blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-03.

Dissolved barium, dissolved iron, and dissolved manganese were detected within the field blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-03.

Dissolved lead was detected within the preparation blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-03.

Mercury Analysis by USEPA Method 7470A

Mercury was detected below the reporting limit within the field blank and preparation blank for dissolved mercury. The analyte was given J+ qualifiers if above the reporting limit in samples GW-03.

Alpha Analytical Job : L2424755

VOC Analyses by USEPA Method 8260D

The recovery of chloromethane in the LCS/LCSD and the MS/MSD was low. The analyte in all of the samples was non-detect and was given a R qualifier in the samples.

The %Ds for the CCV for vinyl chloride, bromomethane, carbon disulfide, acetone, and hexachlorobutadiene were higher than acceptable. The analytes were non-detect in all the samples and were given UJ qualifiers.

SVOCs Analyses by USEPA Method 8270

No additional qualifiers required.

SVOCs Analyses by USEPA Method 8270E-SIM

ROUX ASSOCIATES, INC.

For samples GW-03, the surrogate 4-terphenyl-D14 had a low recovery. The two detected compounds, acenaphthene and naphthalene, were given J- qualifiers in this sample.

Metals Analyses by USEPA Method 6020B

Dissolved copper, dissolved sodium, and dissolved thallium were detected within the field blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-01, GW-02, GW-03, GW-04, GW-05, GW-06, GW-07.

Total chromium and total sodium were detected within the field blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-01, GW-02, GW-03, GW-04, GW-05, GW-06, GW-07.

Total manganese was detected within the preparation blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-01, GW-02, GW-03, GW-04, GW-05, GW-06, GW-07.

Mercury Analysis by USEPA Method 7470A

No additional qualifiers required.

Alpha Analytical Job : L2443118

VOC Analyses by USEPA Method 8260D

The %D for the CCV for 1,4-dioxane was higher than acceptable. The analyte was non-detect in all the samples and given UJ qualifiers.

SVOCs Analyses by USEPA Method 8270E

The recoveries for bis (2-chloroisopropyl)ether and benzoic acid were low in the LCS/LCSD. The non-detects in the samples were given R qualifiers.

SVOCs Analyses by USEPA Method 8270E-SIM

No additional qualifiers required.

Metals Analyses by USEPA Method 6020B

Dissolved copper, dissolved sodium, and dissolved thallium were detected within the preparation blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-01, GW-02, GW-03, GW-04, GW-05, GW-06, GW-07.

Total chromium and total sodium were detected within the field blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-01, GW-02, GW-03, GW-04, GW-05, GW-06, GW-07.

Total manganese and total sodium were detected within the preparation blank above the method detection limit but below the reporting limit. The analytes were given J+ qualifiers if above the reporting detection limit in samples GW-01, GW-02, GW-03, GW-04, GW-05, GW-06, GW-07.

Mercury Analysis by USEPA Method 7470A

Mercury was detected below the reporting limit within the preparation blank for dissolved mercury. The analyte was given J+ qualifiers if above the method detection limit and below the reporting limit in sample GW-06.

Please do not hesitate to contact me if you have any comments or questions regarding this report.

Sincerely

ROUX ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "James Hauri". The signature is fluid and cursive, with the first name "James" written in a larger, more prominent script than the last name "Hauri".

James Hauri, PhD
Senior Scientist

Enclosure: Definitions of Validation Data Qualifiers

Definitions of Validation Data Qualifiers

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample. For surrogates or TIC, result is an estimate.
J-	Result is an estimate. Low biased
J+	Result is an estimate. High biased
UJ	The analyte was not detected above the reported sample quantitation limit. The reported quantitation limit is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected and unusable. The analyte may or may not be present.

Client and Laboratory Sample IDs

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364312
Report Date: 11/06/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2364312-01	GW-D1	WATER	2-33 50TH AVE, LIC	10/30/23 10:00	10/30/23
L2364312-02	GW-D2	WATER	2-33 50TH AVE, LIC	10/30/23 13:00	10/30/23
L2364312-03	GW-D7	WATER	2-33 50TH AVE, LIC	10/30/23 14:30	10/30/23
L2364312-04	DUP_10302023	WATER	2-33 50TH AVE, LIC	10/30/23 14:35	10/30/23
L2364312-05	FIELD BLANK	FIELD BLANK	2-33 50TH AVE, LIC	10/30/23 14:40	10/30/23
L2364312-06	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE, LIC	10/30/23 00:00	10/30/23

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2364605
Report Date: 11/07/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2364605-01	GW-04	WATER	2-33 50TH AVE, LIC	10/31/23 11:40	10/31/23
L2364605-02	GW-05	WATER	2-33 50TH AVE, LIC	10/31/23 14:05	10/31/23
L2364605-03	GW-06	WATER	2-33 50TH AVE, LIC	10/31/23 15:20	10/31/23
L2364605-04	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE, LIC	10/31/23 00:00	10/31/23

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2404894
Report Date: 02/05/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2404894-01	GW-07	WATER	LIC, NY 11101	01/29/24 09:05	01/29/24
L2404894-02	GW-05	WATER	LIC, NY 11101	01/29/24 09:35	01/29/24
L2404894-03	GW-02	WATER	LIC, NY 11101	01/29/24 10:25	01/29/24
L2404894-04	GW-04	WATER	LIC, NY 11101	01/29/24 10:55	01/29/24
L2404894-05	GW-01	WATER	LIC, NY 11101	01/29/24 11:25	01/29/24
L2404894-06	GW-06	WATER	LIC, NY 11101	01/29/24 12:45	01/29/24
L2404894-07	DUP_01292024	WATER	LIC, NY 11101	01/29/24 12:00	01/29/24
L2404894-08	FIELD BLANK	FIELD BLANK	LIC, NY 11101	01/29/24 12:30	01/29/24
L2404894-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	LIC, NY 11101	01/29/24 00:00	01/29/24

Project Name: VOREA
Project Number: 2887.0004Y

Lab Number: L2410677
Report Date: 03/07/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2410677-01	GW_03	WATER	2-33 50TH AVE., LIC, NY 11101	02/28/24 08:50	02/28/24
L2410677-02	DUP_022824	WATER	2-33 50TH AVE., LIC, NY 11101	02/28/24 08:55	02/28/24
L2410677-03	FIELD BLANK	FIELD BLANK	2-33 50TH AVE., LIC, NY 11101	02/28/24 09:00	02/28/24
L2410677-04	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE., LIC, NY 11101	02/27/24 00:00	02/28/24

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2424755
Report Date: 05/15/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2424755-01	GW-04	WATER	2-33 50TH AVE, L/C NY	05/06/24 09:45	05/06/24
L2424755-02	GW-02	WATER	2-33 50TH AVE, L/C NY	05/06/24 10:45	05/06/24
L2424755-03	GW-07	WATER	2-33 50TH AVE, L/C NY	05/06/24 11:45	05/06/24
L2424755-04	GW-05	WATER	2-33 50TH AVE, L/C NY	05/06/24 11:00	05/06/24
L2424755-05	GW-01	WATER	2-33 50TH AVE, L/C NY	05/06/24 09:55	05/06/24
L2424755-06	DUP-050624	WATER	2-33 50TH AVE, L/C NY	05/06/24 12:00	05/06/24
L2424755-07	GW-03	WATER	2-33 50TH AVE, L/C NY	05/06/24 08:50	05/06/24
L2424755-08	GW-06	WATER	2-33 50TH AVE, L/C NY	05/06/24 12:05	05/06/24
L2424755-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE, L/C NY	05/06/24 00:00	05/06/24
L2424755-10	FIELD BLANK	FIELD BLANK	2-33 50TH AVE, L/C NY	05/06/24 11:30	05/06/24

Project Name: VOREA
Project Number: 2887.0004Y000

Lab Number: L2443118
Report Date: 08/07/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2443118-01	GW-01	WATER	2-33 50TH AVE., LIC, NY	07/31/24 11:55	07/31/24
L2443118-02	GW-02	WATER	2-33 50TH AVE., LIC, NY	07/31/24 10:58	07/31/24
L2443118-03	GW-03	WATER	2-33 50TH AVE., LIC, NY	07/31/24 12:55	07/31/24
L2443118-04	GW-04	WATER	2-33 50TH AVE., LIC, NY	07/31/24 10:55	07/31/24
L2443118-05	GW-05	WATER	2-33 50TH AVE., LIC, NY	07/31/24 09:05	07/31/24
L2443118-06	GW-06	WATER	2-33 50TH AVE., LIC, NY	07/31/24 09:10	07/31/24
L2443118-07	GW-07	WATER	2-33 50TH AVE., LIC, NY	07/31/24 12:18	07/31/24
L2443118-08	DUP-073124	WATER	2-33 50TH AVE., LIC, NY	07/31/24 12:00	07/31/24
L2443118-09	TRIP BLANK	TRIP BLANK (AQUEOUS)	2-33 50TH AVE., LIC, NY	07/31/24 00:00	07/31/24
L2443118-10	FIELD BLANK	FIELD BLANK	2-33 50TH AVE., LIC, NY	07/31/24 09:18	07/31/24

APPENDIX E

Summary of Green Remediation Metrics for Site Management

Summary of Green Remediation Metrics for Site Management

Site Name: 2-33 50th Avenue Site Code: C241251
Address: 2-33 50th Avenue City: Long Island City
State: New York Zip Code: 11101 County: Queens

Initial Report Period (Start Date of period covered by the Initial Report submittal)

Start Date: December 30, 2023

Current Reporting Period

Reporting Period From: December 30, 2023 To: March 30, 2025

Contact Information

Preparer's Name: Charlie McGuckin Phone No.: 631-630-2346
Preparer's Affiliation: Roux Environmental Engineering & Geology, D.P.C

I. Energy Usage: Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	Total to Date
Fuel Type 1 (e.g. natural gas (cf))	-	-
Fuel Type 2 (e.g. fuel oil, propane (gals))	-	-
Electricity (kWh)	-	-
Of that Electric usage, provide quantity:	-	-
Derived from renewable sources (e.g. solar, wind)	-	-
Other energy sources (e.g. geothermal, solar thermal (Btu))	-	-

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

II. Solid Waste Generation: Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	Total to Date (tons)
Total waste generated on-site	-	-
OM&M generated waste	-	-
Of that total amount, provide quantity:	-	-
Transported off-site to landfills	-	-
Transported off-site to other disposal facilities	-	-
Transported off-site for recycling/reuse	-	-
Reused on-site	-	-

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	Total to Date (miles)
Standby Engineer/Contractor	720	720
Laboratory Courier/Delivery Service	1,122	1,122
Waste Removal/Hauling	-	-

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	Total to Date (gallons)
Total quantity of water used on-site	-	-
Of that total amount, provide quantity:	-	-
Public potable water supply usage	-	-
Surface water usage	-	-
On-site groundwater usage	-	-
Collected or diverted storm water usage	-	-

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	Total to Date (acres)
Land disturbed	-	-
Land restored	-	-

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage: N/A
Waste Generation: N/A
Transportation/Shipping: All staff used were local and traveled within 50 miles of the Site.
Water usage: N/A
Land Use and Ecosystems: N/A
Other: N/A

CONTRACTOR CERTIFICATION	
I, <u>Charles McGuckin</u> (Name) do hereby certify that I am <u>Principal Engineer</u> (Title) of <u>Roux Environmental</u> (Contractor Name), which is responsible for the work documented on this form. According to my knowledge and belief, all of the information provided in this form is accurate and the site management program complies with the DER-10, DER-31, and CP-49 policies.	
<u>5-30-25</u> Date	<u>Charles McGuckin</u> Contractor

**Periodic Review Report
Former PO Pierce Company Site
2-33 50th Avenue, Long Island City, NY**

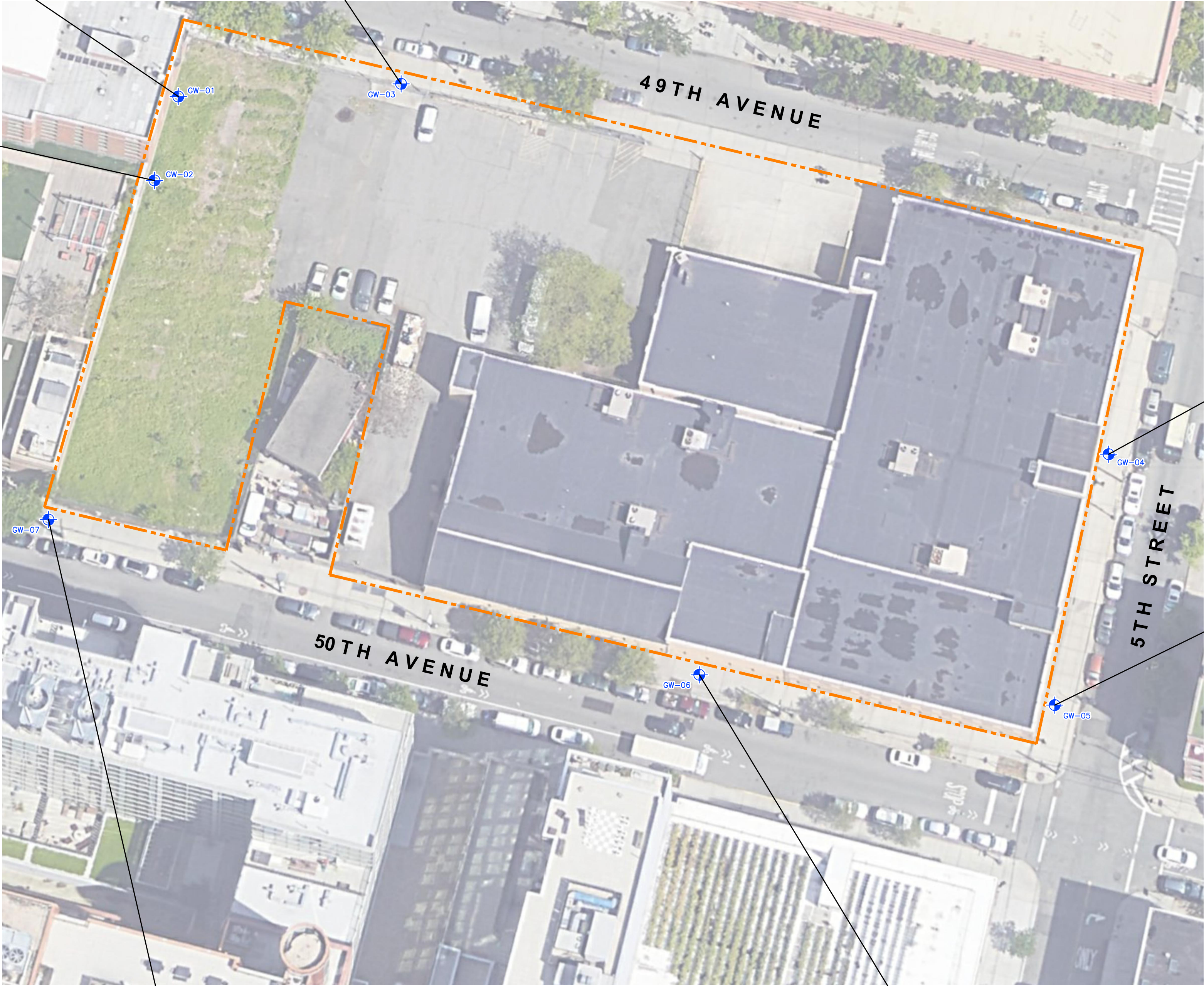
PLATES

1. Groundwater Monitoring Well Locations and Exceedances

GW-01	10/30/2023	01/29/2024	05/06/2024	07/31/2024
SVOCs				
Benzo(A)Anthracene	0.03 J	0.02 J	ND	ND
Chrysene	ND	0.01 J	ND	ND
Metals, Total				
Iron	871	1540	6440	7160
Manganese	421.7	1227	1510 J+	2018 J+
Sodium	178000	190000	254000 J+	248000 J+
Metals, Dissolved				
Iron	772	NE	NE	352
Manganese	458.2	1260	1460	1972
Sodium	196000	210000	273000 J+	249000 J+

GW-02	10/30/2023	01/29/2024	05/06/2024	07/31/2024
VOCs				
Ethylbenzene	7	ND	ND	ND
m,p-Xylene	32	NE	ND	ND
O-Xylene (1,2-Dimethylbenzene)	18	ND	ND	ND
Xylenes	50	NE	ND	ND
SVOCs				
Benzo(B)Fluoranthene	0.01	ND	ND	ND
Phenol	ND	ND	ND	1.4 J
Metals, Total				
Iron	5140	7700	7960	8020
Magnesium	36100	40000	50800	47800
Manganese	3277	4587	5348 J+	4711 J+
Sodium	211000	220000	278000 J+	249000
Metals, Dissolved				
Antimony	NE	ND	3.64 J	ND
Iron	444	1660	355	NE
Magnesium	NE	44500	52900	48900
Manganese	764.5	5592	5080	4590
Sodium	219000	253000	279000 J+	249000 J+

GW-03	02/28/2024	02/28/2024 DUP	05/06/2024	07/31/2024
VOCs				
Benzene	2.4	3.4	5.9	7.5
SVOCs				
Benzo(A)Pyrene	ND	ND	0.02 J	ND
Benzo(B)Fluoranthene	ND	ND	0.03 J	ND
Benzo(K)Fluoranthene	ND	ND	0.03 J	ND
Chrysene	ND	ND	0.03 J	ND
Indeno(1,2,3-C,D)Pyrene	ND	ND	0.03 J	ND
Phenol	ND	ND	ND	2.6 J
Metals, Total				
Iron	955	1140	5500	2940
Magnesium	NE	NE	45100	NE
Manganese	428.6	526.3	1482 J+	513.6 J+
Sodium	194000	230000	262000 J+	74300 J+
Metals, Dissolved				
Iron	NE	NE	912	340
Magnesium	NE	NE	46400	NE
Manganese	465.8 J+	408.7	1410	501.6
Sodium	249000	217000	238000 J+	79400 J+



GW-04	10/31/2023	01/29/2024	05/06/2024	07/31/2024
SVOCs				
Benzo(A)Anthracene	0.02 J	ND	ND	ND
Phenol	ND	ND	ND	3.3 J
Metals, Total				
Iron	7110	1260	1060	13200
Manganese	550	NE	887.8 J+	359.9 J+
Sodium	79600	56000	89900 J+	62600 J+
Metals, Dissolved				
Iron	NE	NE	NE	3530
Manganese	760.2	NE	656.9	329.1
Sodium	82600	65500	87000 J+	62400 J+

GW-05	10/31/2023	01/29/2024	01/29/2024 DUP	05/06/2024	07/31/2024
SVOCs					
Benzo(A)Anthracene	0.05 J	ND	ND	ND	ND
Benzo(A)Pyrene	0.03 J	ND	ND	ND	ND
Benzo(B)Fluoranthene	0.03 J	0.02 J	ND	ND	ND
Benzo(K)Fluoranthene	0.02 J	ND	ND	ND	ND
Chrysene	0.02 J	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	0.02 J	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	1.1 J
Metals, Total					
Iron	5070	2450	1510	1550	NE
Sodium	64400	63200	64200	76900 J+	94600 J+
Metals, Dissolved					
Iron	529	NE	NE	NE	ND
Sodium	63700	72200	73200	74900 J+	93800 J+

GW-07	10/30/2023	10/30/2023 DUP	01/29/2024	05/06/2024	05/06/2024 DUP	07/31/2024
SVOCs						
Benzo(A)Anthracene	0.03 J	0.03 J	ND	0.03 J	0.03 J	ND
Benzo(A)Pyrene	ND	ND	ND	ND	0.02 J	ND
Benzo(B)Fluoranthene	0.02 J	0.02 J	ND	ND	0.05 J	ND
Benzo(K)Fluoranthene	ND	0.01 J	ND	ND	0.04 J	ND
Chrysene	ND	ND	ND	0.01 J	0.04 J	ND
Indeno(1,2,3-C,D)Pyrene	0.01 J	0.01 J	ND	0.04 J	ND	ND
Phenol	ND	ND	ND	ND	ND	2.8 J
Metals, Total						
Iron	NE	NE	495	4850	5310	7080
Manganese	NE	NE	NE	461.1 J+	467.1	883.3 J+
Sodium	NE	NE	23000	31400 J+	30100	35300 J+
Metals, Dissolved						
Iron	NE	NE	NE	NE	462	844
Manganese	NE	NE	NE	476.5	476.2	887.6
Sodium	NE	NE	31000	29400 J+	29700	37800 J+

GW-06	10/31/2023	01/29/2024	05/06/2024	07/31/2024	07/31/2024 DUP
VOCs					
Acetone	78 J	NE	ND	NE	NE
SVOCs					
Benzo(A)Anthracene	0.06 J	ND	ND	ND	ND
Benzo(A)Pyrene	0.02 J	ND	ND	ND	ND
Benzo(B)Fluoranthene	0.06 J	ND	ND	ND	ND
Benzo(K)Fluoranthene	0.05 J	ND	ND	ND	ND
Chrysene	0.06 J	ND	ND	ND	ND
Indeno(1,2,3-C,D)Pyrene	0.06 J	ND	ND	ND	ND
Phenol	36	1.9 J	1.8 J	2.5 J	1.9 J
Metals, Total					
Iron	420	NE	NE	NE	NE
Sodium	96500	63600	86500 J+	89800 J+	80200
Metals, Dissolved					
Iron	90400	63000	82800 J+	79800 J+	81500

LEGEND

— SITE BOUNDARY

GW-01 PROPOSED GROUNDWATER MONITORING WELL

Parameter	NYSDEC AWQSGV	Units
VOCs		
Acetone	50	µg/L
Benzene	1	µg/L
Ethylbenzene	5	µg/L
m,p-Xylene	5	µg/L
O-Xylene (1,2-Dimethylbenzene)	5	µg/L
Xylenes	5	µg/L
SVOCs		
Benzo(A)Anthracene	0.002	µg/L
Benzo(A)Pyrene	0	µg/L
Benzo(B)Fluoranthene	0.002	µg/L
Benzo(K)Fluoranthene	0.002	µg/L
Chrysene	0.002	µg/L
Indeno(1,2,3-C,D)Pyrene	0.002	µg/L
Phenol	1	µg/L
Metals, Total		
Antimony	3	µg/L
Iron	300	µg/L
Magnesium	35000	µg/L
Manganese	300	µg/L
Sodium	20000	µg/L
Metals, Dissolved		
Antimony	3	µg/L
Iron	300	µg/L
Magnesium	35000	µg/L
Manganese	300	µg/L
Sodium	20000	µg/L

CONCENTRATIONS IN µg/L

µg/L – MICROGRAMS PER LITER

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AWQSGVs – AMBIENT WATER–QUALITY STANDARDS AND GUIDANCE VALUES

– – NO NYSDEC AWQSGV AVAILABLE

J – ESTIMATED VALUE

J+ – ESTIMATED VALUE, HIGH BIAS

DUP – DUPLICATE SAMPLE

VOCs – VOLATILE ORGANIC COMPOUNDS

SVOCs – SEMIVOLATILE ORGANIC COMPOUNDS

NE – NO EXCEEDANCES

ND – NO DETECTION

Title:

GROUNDWATER MONITORING WELL LOCATIONS AND EXCEEDANCES

2-33 50TH AVENUE, LONG ISLAND CITY, NEW YORK

Prepared for:

50TH & 5TH LIC LLC

ROUX

Compiled by: J.R.

Date: 23MAY25

PLATE

Prepared by: G.M.

Scale: AS SHOWN

Project Mgr: W.S.

Project: 2887.0004Y000

File: 2887.0004Y169.03.DWG

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