

NEWTOWN CREEK BUD SITE – NORTH BLOCK
2-21 MALT DRIVE
LONG ISLAND CITY, NEW YORK

2024 Periodic Review Report

Reporting Period: December 29, 2023 through April 30, 2025

NYSDEC Site Number: C241258

AKRF Project Number: 200112

Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway
Albany, New York 12233

Prepared on Behalf of:

Bud North LLC
387 Park Avenue South, 7th Floor
New York, NY 10016

Prepared by:



AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, New York 10016
212-696-0670

AUGUST 2025

TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
1.0 INTRODUCTION	2
2.0 SITE BACKGROUND	3
2.1 Site History	3
2.2 Geology and Hydrogeology.....	3
2.3 Nature and Extent of Contamination Prior to Remediation.....	3
3.0 SITE REMEDIATION	5
3.1 Site Remediation	5
3.2 Remaining Contamination.....	7
3.2.1 Soil	7
3.2.2 Groundwater.....	7
3.2.3 Sub-Slab Soil Vapor.....	7
4.0 SITE MANAGEMENT REQUIREMENTS OF ICS AND ECS	8
4.1 Institutional Controls (ICs).....	8
4.2 Engineering Controls (ECs).....	9
4.2.1 Sub-Slab Depressurization System (SSDS)	9
4.2.2 Soil Vapor Extraction (SVE) System.....	10
4.2.3 Cover System	10
5.0 REMEDY PERFORMANCE EVALUATION AND MAINTENANCE	12
5.1 Site-Wide Inspection	12
5.2 On-Site Groundwater Monitoring	12
5.2.1 Groundwater Analytical Results	12
5.3 SVE System Operation, Maintenance, and Inspections	13
5.3.1 Routine and Detailed Inspection Results.....	13
5.3.2 SVE System Extracted Vapor Sampling Results	13
5.4 SSDS Operation, Maintenance, and Inspections	15
5.5 Investigation-Derived Waste (IDW)	15
5.5.1 Granular Activated Carbon (GAC)	15
5.5.2 SVE Condensate.....	15
5.5.3 Monitoring Well Purge Water.....	16
5.6 Health and Safety Monitoring	16
6.0 SITE MANAGEMENT SCHEDULE	17
7.0 GREEN REMEDIATION EVALUATION.....	18
7.1 Green Remediation Evaluation.....	18
7.2 Timing of Green Remediation Evaluations	18
7.2 Remedial Systems	18
7.3 Building Operations.....	18
7.4 Frequency of System Checks, Sampling, and Other Periodic Activities.....	18
7.5 Remedial System Optimization.....	19
8.0 CONCLUSIONS AND RECOMMENDATIONS	20

IN-TEXT TABLE

Table A –	Freon-12 Concentrations in Vapor Samples ($\mu\text{g}/\text{m}^3$)
Table B –	BTEX Concentrations in Vapor Samples ($\mu\text{g}/\text{m}^3$)

IN-TEXT CHART

Chart A –	2024/2025 Quarterly Benzene Concentrations in Groundwater

ATTACHED TABLES

Table 1 –	Pre-Remedial Groundwater Analytical Results
Table 2 –	Quarterly Post-Remedial Groundwater Analytical Results
Table 3 –	SVE System Extracted Vapor Analytical Results

FIGURES

Figure 1 –	BCP Site Location
Figure 2 –	BCP Site and Sample Location Plan
Figure 3 –	Groundwater Contour Map-March 2025
Figure 4a –	RI VOC & SVOC Soil Sample Concentrations Above UUSCOs, RRSCOs, and/or PGWSCOs
Figure 4b –	RI Soil Metals, PCBs, Pesticides and Sample Concentrations Above UUSCOs and/or RRSCOs
Figure 5 –	RI Groundwater Sample Concentrations Above AWQSGVs and Screening Levels
Figure 6 –	RI Soil Vapor Sample Concentrations
Figure 7a –	SW Section including Groundwater treatment Area Documentation Sample Concentrations Above UUSCOs, RRSCOs, and PGWSCOs.
Figure 7b –	NW Section Documentation Sample Concentrations Above UUSCOs, RRSCOs, and PGWSCOs
Figure 7c –	NE Section Documentation Sample Concentrations Above UUSCOs, RRSCOs, and PGWSCOs
Figure 7d –	SE Section Documentation Sample Concentrations Above UUSCOs, RRSCOs, and PGWSCOs
Figure 7 e -	SSE Section including UST Area Documentation Sample Concentrations Above UUSCOs, RRSCOs, and PGWSCOs.
Figure 8 –	Post-Remediation Groundwater Sample Analytical Results Above AWQSGVs
Figure 9 –	SVE, SSDS and Vapor Barrier Plan
Figure 10 –	Site-wide Cover System

APPENDICES

Appendix A –	Photographic Log
Appendix B –	Site-Wide Inspection Log
Appendix C –	Quarterly Groundwater Sampling Logs
Appendix D –	Laboratory Analytical Data Reports and DUSRs

Appendix E – SVE Inspection and Sampling Logs
Appendix F – DAR-1 Modeling Analysis
Appendix G – SSDS Inspection Logs
Appendix H – IC/EC Certification Form

P.E. CERTIFICATION

I, Rebecca Kinal, am currently a registered professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the Site Management Plan protocols, and I certify that the documentation of site management activities is accurately presented in the Periodic Review Report for the 2-21 Malt Drive site located in Long Island City, New York, BCP Site No. C241248 (the "Site").

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- a) The institutional controls and engineering controls employed at this Site are unchanged from the date the controls were put in place, or last approved by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER);
- b) Nothing has occurred that would impair the ability of such control to protect public health and the environment;
- c) Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
- d) Access to the Site will continue to be provided to NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Rebecca Kinal, P.E.
NYS Professional Engineer #

August 18, 2025
Date


Signature

EXECUTIVE SUMMARY

This Periodic Review Report (PRR) was prepared on behalf of Bud North LLC (the “Applicant”) by AKRF, Inc. (AKRF) to document post-remediation activities conducted at 2-21 Malt Drive in the Long Island City section of Queens, New York (hereinafter referred to as the “Site”). The approximately 3-acre Site is also identified as Block 11, Lot 1. A Site location map is provided as Figure 1, and the Site plan is shown on Figure 2.

Investigation and remedial activities at the Site were completed between 2020 and 2023 under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index No. (Index No. C241248-12-2022) (Site No. C241248), which was executed on January 13, 2021.

The purpose of this PRR is to document the Site management activities associated with the Site’s Engineering and Institutional Controls and to certify that the controls are being implemented in accordance with the NYSDEC-approved Site Management Plan (SMP) dated December 2023. The reporting period for this PRR is December 29, 2023 through April 30, 2025.

In summary, the remedy remains effective and protective of human health and the environment with continued implementation of the SMP. Quarterly and annual inspections and maintenance, and any non-routine inspections and/or maintenance, will continue to be performed in accordance with the SMP, unless modification(s) to the SMP are otherwise approved by NYSDEC.

The maximum pre-remedial Freon-12 concentration in soil vapor during the 2020 Phase II Investigation and 2021 RI were 14,900,000 $\mu\text{g}/\text{m}^3$ (SV-19) and 648,000 $\mu\text{g}/\text{m}^3$ (RI-SV-08), respectively. The remedial activities to address the Freon-12 source area in the southeastern portion of the Site consisted of soil excavation and installation and operation of an SVE system. The SVE influent concentration in 2023 was 169 $\mu\text{g}/\text{m}^3$, and the influent SVE concentrations in 2024 ranged from 34.3 to 52.4 $\mu\text{g}/\text{m}^3$. The 2024 SVE system influent concentrations for Freon-12 in comparison to the maximum Phase II Investigation and RI soil vapor concentrations for Freon-12 show a significant (99.99+%) reduction.

Based on the inspections and data summarized in this report, the following requests/recommendations were developed:

1. That the Volunteer be permitted to remove the carbon drums from the SVE system and begin operating without carbon filtration; and
2. That the Volunteer be permitted to begin cycling the SVE system on a monthly basis with the goal of terminating operation by the end of 2026. A work plan, detailing the proposed system cycling procedures, will be drafted and submitted for NYSDEC and NYSDOH review and approval.

1.0 INTRODUCTION

This Periodic Review Report (PRR) was prepared on behalf of Bud North LLC (the “Applicant”) by AKRF, Inc. (AKRF) to document pertinent post-remediation activities at the Newtown Creek Bud Site (NCBS)-North Block Site located at 2-21 Malt Drive in the Long Island City neighborhood of Queens, NY (hereinafter referred to as the “Site”). The Site is enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) under Site ID C241248.

The 3.0045-acre Site is identified as Block 11, Lot 1 on the New York City Tax Map (Borough of Queens). A Site location map is provided as Figure 1 and a Site Plan is provided as Figure 2. The Site is bounded by 54th Avenue to the north, followed by various shipping and storage warehouses; Malt Drive to the south, followed by the NCBS – South Block Site; a van and bus rental facility to the east; and 2nd Street to the west, followed by a vacant lot.

A Final Engineering Report (FER) detailing Site remedial activities was prepared by AKRF and approved by NYSDEC in December 2023. A Certificate of Completion (CoC) was issued on December 29, 2023. Ongoing Site management activities are being performed in accordance with the NYSDEC-approved Site Management Plan (SMP) dated December 2023. The SMP provides detailed descriptions of all procedures required to manage known and potential residual contamination.

2.0 SITE BACKGROUND

2.1 Site History

Historically, the Site was used for commercial, industrial, and automobile related purposes between approximately 1898 and 2019. Historical records indicate that the Site was utilized by New York Sugar Refining Co., Standard Folding Cartons Inc., News Syndicate Co. Inc., and Port Distributing Corp. and Anheuser-Busch as a beer distribution facility. Auto repair and garages with gasoline tanks were identified in the northern portion of the Site between 1915 and 1986. The Site was also historically listed on the NYSDEC Petroleum Bulk Storage (PBS) database (PBS Facility No. 2-034568) with several closed-removed diesel, waste oil, and lube oil underground storage tanks (USTs) and aboveground storage tanks (ASTs).

Known Site owners have included: National Sugar Refining Co. until 1971, News Syndicate Co. Inc. between 1971 and 1983, Port Distributing Corp. between 1983 and 1987, HDH LLC and Dieter H. Holterbosch between 2016 and 2019. The Site has been owned by Bud North LLC since May 15, 2019.

2.2 Geology and Hydrogeology

During the Site investigations prior to remediation and redevelopment, the stratigraphy of the Site consisted of historic fill (generally sand with silt, gravel, concrete, brick, and trace amounts of asphalt) down to approximately 10 to 13 feet below ground surface (bgs), underlain by apparent native sand, gravel, and silt down to at least 20 feet bgs.

Based on Site-specific monitoring well measurements collected in March 2025, groundwater elevations beneath the Site ranged from 1.9 feet and el. -1.9 feet (NAVD88). Groundwater flows beneath the Site in a southwesterly direction toward Newtown Creek and the East River (the nearest body of water). A groundwater elevation contour map is included in Figure 3.

2.3 Nature and Extent of Contamination Prior to Remediation

Subsurface investigations, including a 2020 interim investigation and a 2021 Remedial Investigation (RI), revealed the presence of various contaminants at the Site, including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and metals in the soil/fill matrix; VOCs, SVOCs, PCBs, and metals in groundwater; and VOCs in soil vapor.

Contaminated soil/fill was identified across the Site, extending from the surface to a depth of approximately 0 to 13 feet bgs as summarized below:

Petroleum-related VOCs were detected in soil samples at concentrations exceeding the Residential Remediation Soil Cleanup Objectives (RRSCOs) and/or the Protection of Groundwater Soil Cleanup Objectives (PGWSCOs).

Polycyclic Aromatic Hydrocarbons (PAHs), a class of SVOCs typically associated with fill materials, were detected in soil samples at concentrations exceeding the RRSCOs and/or PGWSCOs throughout the site.

PCBs were detected in soil at levels surpassing the RRSCOs, with detections above the Unrestricted Use Soil Cleanup Objectives (UUSCOs) in some samples.

Three pesticides were detected in soil at concentrations exceeding the UUSCOs in one or more samples, although no pesticides were found above the RRSCOs.

Twelve metals were identified at concentrations surpassing either their respective RRSCOs and/or UUSCOs in a majority of the soil samples collected from across the site.

Soil analytical results from the interim investigation and RI are presented in Figures 4a and 4b.

Contamination was detected in groundwater samples as summarized below:

- The VOCs benzene, cymene, and dichlorodifluoromethane were detected in groundwater samples at concentrations exceeding the Ambient Water Quality Standards and Guidance Values (AWQSGVs) in three samples collected from the southwestern portion of the Site. The total detected concentrations of VOCs ranged from 1.4 micrograms per liter ($\mu\text{g/L}$) to 23 $\mu\text{g/L}$ in the groundwater samples.
- SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-c,d)pyrene, and phenol, were detected across all groundwater samples at concentrations ranging from 0.02 $\mu\text{g/L}$ to 2.3 $\mu\text{g/L}$.
- Total PCBs were identified in one groundwater sample at a concentration of 1.58 $\mu\text{g/L}$, surpassing the AWQSGV.
- The per- and polyfluoroalkyl substances (PFAS) perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were detected at concentrations above the AWQSGVs in samples collected from across the Site.
- Thirteen metals were detected in total (unfiltered) groundwater samples at concentrations exceeding their respective AWQSGVs. Additionally, four metals were identified in the dissolved (filtered) groundwater samples at concentrations exceeding the AWQSGVs.

Groundwater analytical results from the interim investigation and RI are presented in Figure 5.

VOCs were detected in soil vapor samples as summarized below:

- The VOCs 1,1,1-trichloroethane (1,1,1-TCA), methylene chloride, trichloroethylene (TCE), 1,1-dichloroethene, cis-1,2-dichloroethene, and vinyl chloride were identified at variable concentrations in soil vapor samples collected from across the Site.
- Several chlorofluorocarbon (CFC) compounds, commonly utilized as refrigerants, including chloromethane, dichlorodifluoromethane (Freon-12), and trichlorofluoromethane, were detected in the soil vapor samples. Dichlorodifluoromethane was recorded at elevated concentrations up to 14,900,000 micrograms per cubic meter ($\mu\text{g/m}^3$) in sub-slab soil vapor samples collected from beneath the southeast corner of the former Site building.

Soil vapor analytical results from the interim investigation and RI are presented in Figure 6.

3.0 SITE REMEDIATION

3.1 Site Remediation

The Site was remediated in accordance with the remedy approved by NYSDEC as described in the January 2022 Remedial Action Work Plan (RAWP), January 2022 Decision Document (DD), May 2022 Groundwater Remediation Design Report, and August 2022 Soil Vapor Extraction (SVE) System Design Report, and as documented in the December 2023 FER.

The factors considered during the selection of the remedy are those listed in 6 New York Code of Rules and Regulations (NYCRR) 375-1.8. The following were the components of the selected remedy:

1. Approximately 18,682 tons (12,454 cubic yards) of contaminated soil/fill was excavated and disposed off-site to achieve a Track 4 remedy, including:
 - a. Remedial excavation and off-site disposal of 11,473 tons (7,648 cubic yards) of soil to a minimum depth of 2 feet bgs Site-wide to facilitate Site-wide installation of Engineering Controls (ECs) and Site-wide cover;
 - b. Remedial excavation and removal of approximately 7,110 tons (4,740 cubic yards) of source material within AOC-1 (the groundwater treatment area) to approximately 2 feet below the water table (between 8 and 11 feet below initial Site grade surface), where petroleum related VOCs and PAHs exceeded PGWSCOs and/or RRSCOs; and
 - c. Excavation and removal of approximately 100 tons (67 cubic yards) of source material down to approximately 8 feet below initial Site grade to remove petroleum-contaminated soil/fill around the two USTs and the associated tank grave uncovered during construction activities in the northwestern portion of the Site.
2. A groundwater treatment program was performed that consisted of excavation and off-site disposal of petroleum-contaminated soil from a 15,430 square foot (sf) area in the southwestern portion of the Site followed by a surface application of a total of 2,500 pounds of ORC Advanced® and 4,000 pounds of PersulfOx® in a 12,500-sf area to address groundwater contamination associated with NYSDEC Spill No. 2100710. The ORC Advanced® and PersulfOx® were then mixed with gravel backfill placed in the excavation below the water table and across the smear zone (an approximate 2-foot interval) within the groundwater table. Following groundwater treatment, three permanent 2-inch diameter polyvinyl chloride (PVC) groundwater monitoring wells were installed at the Site to monitor benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations. To date, five rounds of groundwater sample collection have been implemented at the Site under Site Management.
3. An SVE system was installed, in accordance with the SVE System Design Report, to remediate contamination in the southern portion of the Site, where elevated levels of Freon 12 were identified in soil vapor. The system has been running continuously since October 13, 2023.
4. A vapor mitigation system consisting of an active sub-slab depressurization system (SSDS) and a minimum 0.20-mil vapor barrier (the latter of which is not considered a remedial element) and was installed beneath the proposed new building to prevent vapor intrusion. The system has been running continuously since September 26, 2023.
5. Site-wide dewatering was implemented in accordance with all federal, state, and local regulations, as necessary, to enable the remedial excavation activities.
6. Based on the size and drainage ability of the Site, a Storm-Water Pollution Prevention Plan (SWPPP) was prepared, and erosion and sediment controls outlined in the SWPPP were

implemented at the Site and conformed to the requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control Erosion.

7. A Community Air Monitoring Plan (CAMP) was implemented during all intrusive Site activities to monitor levels of VOCs and airborne particulates within the active work zones and around the perimeter of the Site.
8. Waste disposal facilities were selected based on waste classification sampling performed at the Site prior to implementation of the Remedial Action, and appropriate off-site disposal of all material removed from the Site was performed in accordance with all federal, state, and local rules and regulations for handling, transport, and disposal.
9. All responsibilities associated with the RA, including permitting requirements and pretreatment requirements, were addressed in accordance with all applicable federal, state, and local rules and regulations.
10. Clean fill that met the requirements of 6 NYCRR Part 375-6.7(d), including laboratory tested clean soil, laboratory tested quarried sand, virgin quarried trap rock, and laboratory tested planting soil were imported to replace soil/fill excavated as part of the RA, to construct the SVE system and SSDS, and construct the exterior two-foot-thick cover system. All materials imported to the Site were approved by NYSDEC prior to use and placed above a demarcation barrier.
11. One hundred and fifty-five (155) documentation samples were collected across the Site and analyzed to evaluate the performance of the remedy with respect to the attainment of Track 4 RRSCOs. Documentation sampling included 115 confirmatory documentation samples at the base of the 2-foot remedial cut, and 40 sidewall and bottom samples following removal of soil from the spill area and tank grave.
12. A composite cover system was constructed across the Site that consists of: (1) minimum 6-inch-thick concrete building slabs; (2) asphalt and/or concrete pavement for roadways, sidewalks, and walkways; and (3) a minimum of 2 feet of imported or reused cleanbackfill material across exterior landscaped areas.
13. An Environmental Easement (EE) was recorded with the New York City Office of the Registrar. The EE require the remedial parties/Site owners to complete and submit a periodic certification of institutional controls (ICs) and engineering controls (ECs) to NYSDEC in accordance with New York City Codes, Rules and Regulations (NYCRR) Part 375-1.8 (h)(3); allow for the future redevelopment and use of the Site for restricted residential use as defined by Part 375-1.8(g), although land use is subject to local zoning laws; prohibit the use of groundwater as a source of potable or process water without necessary water quality treatment, as determined by NYSDOH; and require compliance with a Site-specific NYSDEC-approved Site Management Plan (SMP).
14. Preparation of an SMP for long-term management of residual contamination, as required by the EE, which includes plans for: (1) ECs and ICs, (2) monitoring, (3) operation and maintenance, and (4) reporting. The SMP includes a Soil Management Plan and Excavation Work Plan.

Remedial activities were performed at the Site in accordance with this NYSDEC-approved RAWP and the NYSDEC-issued Decision Document (DD). All deviations from the RAWP and/or DD were promptly reported to NYSDEC for approval and fully explained in the Final Engineering Report (FER).

3.2 Remaining Contamination

3.2.1 Soil

Soil quality was assessed during a 2020 interim investigation conducted before enrollment in the Brownfield Cleanup Program (BCP), as well as during the 2021 RI conducted as part of the BCP. Residual soil contamination exceeding the Residential Remediation Soil Cleanup Objectives (RRSCOs) and Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) remains below the depth of the remedial excavation. This includes contamination beneath the site-wide 2-foot excavation, 8-foot UST excavation, and the approximately 13-foot excavation within the groundwater treatment area located in the southwestern portion of the site. A summary of the residual contamination at the Site is presented in Figures 7A through 7E.

3.2.2 Groundwater

Groundwater quality was assessed during the 2020 interim investigation and 2021 RI. Groundwater beneath the Site was found to exhibit concentrations exceeding the AWQSGVs, including petroleum VOCs, PAHs, perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA), and total and dissolved metals.

A groundwater treatment program was implemented at the Site as part of the remedial action to address petroleum contamination in groundwater in the southwestern portion of the Site associated with NYSDEC Spill No. 2100710. Following the groundwater remediation activities, three permanent monitoring wells (MW-01, MW-02, and MW-03) were installed at strategic locations (downgradient, central, and upgradient of the treatment area, respectively). Analytical results for post-remediation samples revealed concentrations of benzene exceeding the AWQSGVs in groundwater samples (and blind duplicates) collected from MW-01 and MW-02, located downgradient of the source area and within the groundwater treatment zone, respectively, indicating that residual contamination persists in the subsurface in the southwest corner of the site. Pre-remedial groundwater sample results for VOC analysis are summarized in Table 1. Post-remedial groundwater sample results for VOCs and Total Petroleum Hydrocarbons (TPH) Diesel Range Organics (DRO) and Oil Range Organics (ORO) over time are summarized in Table 2, and a summary of post-remedial exceedances over time is presented on Figure 8.

Groundwater use at the site is subject to Institutional Controls (ICs) as outlined in the Environmental Easement (EE) and is restricted from use as a potable or process water source without requisite treatment to meet water quality standards, as determined by the New York State Department of Health (NYSDOH).

3.2.3 Sub-Slab Soil Vapor

Based on the findings of the RI, and post-remedial soil vapor testing conducted as part of system SVE system startup and periodic monitoring, contaminated soil vapor remains at the Site. The contaminated soil vapor is being treated by the SVE system, which has operated continuously since October 13, 2023. In addition, a vapor mitigation system, which consists of a vapor barrier membrane and the active SSDS installed below the entire building footprint, prevents vapor intrusion into the new building. Post-remedial SVE vapor sample results over time are summarized in Table 3.

4.0 SITE MANAGEMENT REQUIREMENTS OF ICS AND ECS

The SMP provides a detailed description of all procedures required to manage remaining contamination at the Site after completion of the remedial action. The following subsections detail the ICs and ECs, their components, and the requirements of each IC and EC to protect human health and the environment from underlying residually contaminated media. The photographic log provided as Appendix A includes representative photographs of work conducted during the reporting period.

4.1 Institutional Controls (ICs)

A series of ICs were required to: (1) implement, maintain, and monitor the EC systems; (2) prevent future exposure to remaining contamination; and (3) limit the use and development of the Site to residential, commercial, and/or industrial uses only. Adherence to these ICs on the Site is required by the Environmental Easement and was implemented under the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. These ICs are as follows:

- The property may be used for: restricted residential, commercial, and/or industrial/manufacturing uses;
- All ECs must be operated and maintained as specified in this 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 NYSDOH or the New York City Department of Health and Mental Hygiene (NYCDOHMH) 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 this SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Any on-site buildings will be required to have a sub-slab depressurization system, or other acceptable measures, to mitigate the migration of vapors into the building from soil and/or groundwater;
- 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 new buildings developed in the area within the IC boundaries noted on **Figure 2**, and any potential impacts that are identified must be monitored or mitigated;
- Vegetable gardens and farming on the Site are prohibited.

4.2 Engineering Controls (ECs)

Since remaining contaminated soil, groundwater, and soil vapor exist beneath the Site, ECs are required to protect human health and the environment. The ECs are detailed in the following subsections.

4.2.1 Sub-Slab Depressurization System (SSDS)

An active SSDS was installed to mitigate the potential for soil vapor intrusion into the new buildings once they are occupied. The SSDS was activated on September 26, 2023, prior to building occupancy in July 2024. When operating, the SSDS induces negative pressure (i.e., vacuum) beneath the building slab. The underground elements of the SSDS installed under the new building slab include the following components:

- Sixteen SSDS branches consisting of 0.02-inch slotted and solid, 4-inch diameter Schedule 40 polyvinyl chloride (PVC) pipe lengths were installed beneath the building slab with riser legs penetrating the building slab and stubbed out approximately 2 inches above the top of slab;
- Communication and pipe sleeves through concrete foundation elements
- A minimum 6-inch-thick gas permeable aggregate (GPA) stratum underlain by a geotextile fabric was installed beneath the entire SSDS treatment area;
- Fourteen SSDS vacuum monitoring points (VMPs, MP-01 through VMP-14) were installed beneath the building slab; and
- A minimum 20-mil (0.02-inch-thick) Grace Preprufe® waterproofing/vapor barrier membrane beneath first floor building slabs, and a Grace Bituthene® 3000 waterproofing/vapor barrier membrane applied to below grade foundation sidewalls.

During construction of the new building superstructure, the following above-ground elements were installed to complete the SSDS installation during the PRR reporting period:

- The SSDS branches connect to two separate pipe manifolds (eight branches per manifold), which combine the PVC pipe sections into two separate 8-inch-diameter headers. The pipe headers connect to two riser pipes, which extend vertically through the two building towers and 10 feet above the sixth and eighth floor roof of the west and east towers, respectively. The exhaust stacks were placed at least 25 feet from any operable windows or air intakes on the roof of the building;
- Variable-frequency drives (VFDs) to throttle blower operation were installed on each system
- Blowers (make/model: Geiger AF-15) were installed to achieve a minimum sub-slab vacuum of 0.004 inches of water column (inH₂O) with shut-off alarms connected to alarm panels installed in the building. The blowers were installed on the sixth-floor roof of the west tower and eighth floor roof of the east tower;
- The control panels equipped with a telemetry alarm system to notify select personnel (AKRF Project Manager, Deputy Project Manager, and building operations personnel) of alarm conditions were installed and are operational; and
- Accessories—including cleanouts, sample ports, vacuum indicators/pressure gauges, flow meters, butterfly valves, and differential pressure switches—were installed on each manifold.

The location and components of the SSDS are shown on Figure 9.

4.2.2 Soil Vapor Extraction (SVE) System

The treatment of residual contaminated soil vapor at the Site is performed through operation of the SVE system. The SVE system, in combination with the SSDS, also prevents soil vapor intrusion and off-site migration of contaminated soil vapor. The SVE system installed at the Site is comprised of:

- Five 4-inch-diameter slotted PVC SVE pipes, which were laid horizontally across the treatment area directly above the observed groundwater interface in the southeastern portion of the Site;
- Four-inch-diameter solid PVC piping (connecting to the slotted pipes), which carries extracted vapor to a dedicated room adjacent to the parking garage within the building interior;
- Condensate sump installed at locations where pitch could not be maintained in the solid PVC piping;
- One Rotron DR808 SVE blower, with a VFD to throttle blower operation to appropriate conditions (vacuum and air flow rate);
- One moisture separator tank with high-level alarm, transfer pump, and 55-gallon auxiliary drum with high-level alarm;
- Granular activated carbon (GAC) vapor treatment comprised of two 400-pound tetraSOLV VFV-400 carbon units in series (piped in series, with influent, intermediate, and effluent sample ports).
- System alarms including one high temperature sensor, and one low vacuum sensor;
- Individual SVE line, and dilution line accessories, including vacuum gauges, pitot tube/differential pressure gauge assemblies for air flow rate measurements, throttling valves, and sampling ports (five each);
- Additional accessories including pre- and post-blower vacuum/pressure, and temperature gauges, and pre- and post-particulate filter vacuum gauges (one each);
- A control panel equipped with a telemetry system to notify select personnel of alarm conditions, inclusive of the building superintendent and members of the AKRF project team;
- One equipment room (concrete block room with electricity and ventilation) located in the eastern portion of the Site building; and
- Six SVE vacuum monitoring points (SVMPs) (SVMP-01 through SVMP-06) to monitor induced vacuum in the subsurface; and
- One 6-inch diameter galvanized steel effluent stack above the sixth-floor roof of the west tower.

The SVE system began operating on October 13, 2023. The location and components of the SVE system are shown in Figure 9.

4.2.3 Cover System

Exposure to remaining contamination at the Site is prevented by a cover system placed over the Site. This cover system is comprised of a combination of asphalt pavement,

concrete-covered sidewalks, concrete building slabs, and landscaped areas with a 2-foot clean soil cover. Figure 10 presents the location and extent of the cover system.

5.0 REMEDY PERFORMANCE EVALUATION AND MAINTENANCE

The SMP describes the measures for evaluating the performance and effectiveness of the ICs/ECs. The annual Site-wide inspections, SSDS and SVE system inspections and monitoring, and groundwater monitoring were conducted in accordance with the SMP and summarized in quarterly reports submitted to NYSDEC. The Site management monitoring inspections completed during this reporting period are summarized in the following sections.

5.1 Site-Wide Inspection

The Site-Wide inspection was conducted on January 27, 2025. Based on the inspection results, all ICs and ECs remain in compliance with the SMP and remain effective and protective of human health and the environment. The Site-Wide Inspection Log is included in Appendix B.

5.2 On-Site Groundwater Monitoring

In accordance with the SMP, five quarterly groundwater sampling events were conducted following NYSDEC-approval of the SMP. Groundwater sampling was conducted in March 2024, June 2024, August 2024, October 2024, and January 2025. Samples were collected from the network of three existing on-site monitoring wells.

During each sampling event, groundwater samples were collected in accordance with EPA low-flow sampling methodology and the Site-specific Quality Assurance Project Plan (QAPP) (included as Appendix H of the SMP). Groundwater samples were collected using dedicated and decontaminated sampling equipment. Prior to collecting the groundwater samples, the depth to groundwater and the total well depth were measured at each monitoring well using an oil/water interface probe attached to a measuring tape accurate to 0.01 foot. Separate phase product was not detected in any of the groundwater monitoring wells during sampling. Purging of the wells was conducted with a submersible pump until at least three well volumes were removed, groundwater was visibly clear, and water quality indicators stabilized, after which samples were collected into laboratory-supplied bottleware. All purge water was containerized in labeled, New York State Department of Transportation (NYSDOT)-approved 55-gallon drums for off-site disposal at a permitted facility. Groundwater sampling logs are provided in Appendix C.

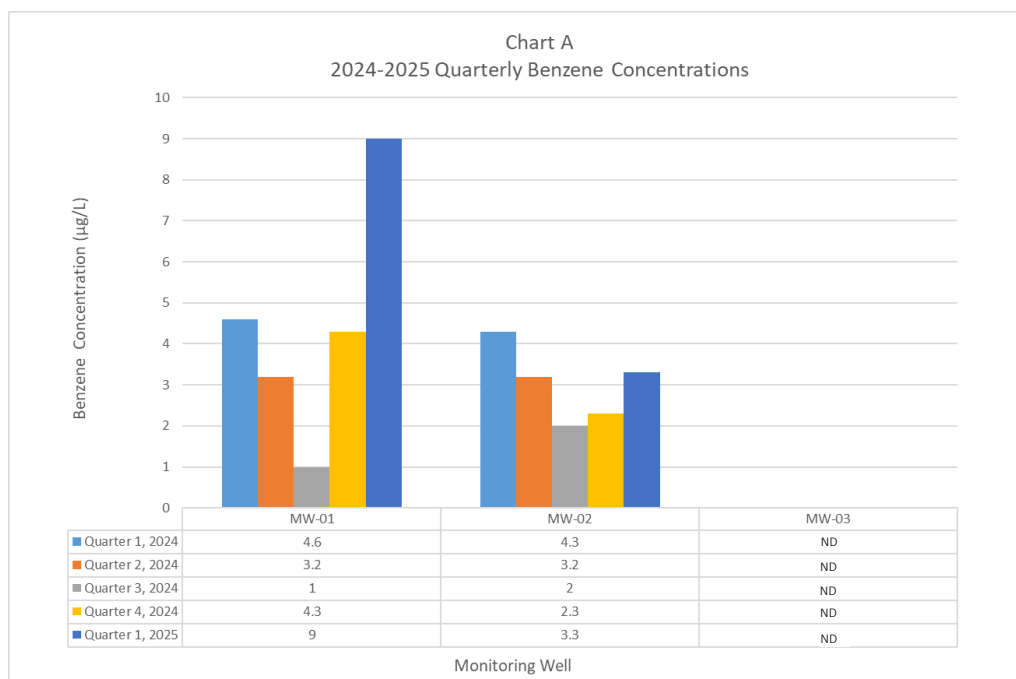
The groundwater samples were submitted to Pace Analytical of Westborough, Massachusetts (Pace) or Eurofins Environment Testing Northeast LLC of Edison, New Jersey (Eurofins) for analysis of VOCs by EPA Method 8260D and TPH DRO and ORO with Category B deliverables. At the request of the NYSDEC and the United States Environmental Protection Agency (EPA), who is conducting a study of the upland areas adjacent to the Newtown Creek, groundwater samples in the October 2024 and January 2025 sampling events were also analyzed for Extractable Petroleum Hydrocarbons (EPH) [C19-C36] via the MADEP Method, SVOCs by EPA Method 8270E, Target Compound List (TCL) Pesticides by EPA Method 8081B, Total Cyanide, TCL PCBs by EPA Method 8082A, Dissolved and Total Target Analyte List (TAL) Metals, Hexavalent Chromium by EPA Method 7196 and PFAS by EPA Method 1663 with Category B deliverables. Groundwater analytical results for VOCs and TPH DRO and ORO over time are summarized in Table 2. Analytical laboratory data reports and Data Usability Summary Reports (DUSRs) are provided in Appendix D. All three monitoring wells remain in good condition and are secure at and within the Site to allow for future sampling events to continue as planned.

5.2.1 Groundwater Analytical Results

Groundwater analytical results generated during the quarterly sampling events for VOCs are included as Table 2. Benzene was the only petroleum VOC detected in the groundwater

samples exceeding the AWQSGVs. Quarterly benzene detections in groundwater are shown in Figure 8.

As depicted below on Chart A, the post-remedial benzene concentrations continue to be detected at relatively low concentrations, but exceeding the AWQSGV of 1 microgram per liter in MW-01 and MW-02. Benzene was not detected in MW-03, which is located downgradient of the source area.



5.3 SVE System Operation, Maintenance, and Inspections

5.3.1 Routine and Detailed Inspection Results

During the PRR reporting period, AKRF conducted monthly inspections of the SVE system between January 2024 and April 2024, and then quarterly inspections between April 2024 and April 2025. Routine inspection events consisted of a visual inspection noting the individual flow rate, vacuum reading, and PID reading for each SVE riser leg; blower/accessory readings including variable frequency drive (VFD) settings, pre- and post-blower particulate filters vacuum and air flow rate readings; and pre- and post-granular-activated carbon (GAC) treatment VOC screening. The routine inspections did not noted any unusual conditions (e.g., unusual odors, spills, leaks, blower noise, etc.) if observed.

The routine and detailed inspections were documented in the inspection logs provided in Appendix E.

5.3.2 SVE System Extracted Vapor Sampling Results

In accordance with the SMP, extracted vapor samples were collected from the SVE system on a semiannual basis following the initial system startup in September 2023. The samples were collected in October 2023, March 2024 and October 2024 from the combined influent port, intermediate sample port between the granulated activated carbon (GAC) units, and

the combined effluent sample port. The samples were collected in dedicated 1-liter Tedlar® bags at an approximate air flow rate of 0.1 liters per minute. Once filled, the Tedlar® bags were removed and the sample port closed. The grab samples were field screened for VOCs using a calibrated PID. The air samples were submitted under chain-of-custody protocol to Pace (March 2024 samples) or Eurofins (October 2024 samples) and analyzed for VOCs by EPA Method TO-15 with Category B deliverables. MS/MSD samples are not applicable to EPA Method TO-15 and were not analyzed by the laboratory. The complete laboratory analytical data reports and DUSRs are provided in Appendix D. Freon-12 and BTEX concentrations detected in the vapor samples are summarized below in Table A and Table B.

Table A
Freon-12 Concentrations in Vapor Samples (µg/m³)

1-Oct-23			1-Mar-24			1-Oct-24		
Influent	Intermediate	Effluent	Influent	Intermediate	Effluent	Influent	Intermediate	Effluent
169	175	164	34.3	34.4	33.5	52.4	51.4	53.9

Table B
BTEX Concentrations in Vapor Samples (µg/m³)

	Oct-23			Mar-24			Oct-24		
	Influent	Intermediate	Effluent	Influent	Intermediate	Effluent	Influent	Intermediate	Effluent
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	17	16.7	22.8	4.64	14.8	12.7	1.39	12.7	1.37
Ethylbenzene	2.48	ND	2.04	2.44	ND	ND	4.52	1.48	2
Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND

As noted in Table A, Freon-12 influent concentrations ranged from 169 µg/m³ in 2023 to 34.3 µg/m³ in 2024 and effluent concentrations ranged from 164 µg/m³ in 2023 to 33.5 µg/m³ in 2024. The influent Freon-12 concentrations were significantly lower than the maximum pre-remedial soil vapor concentration of 14,900,000 µg/m³. All VOC results in SVE system extracted vapor samples are summarized in Table 3.

The detected effluent VOC concentrations from the March 2024 and October 2024 sampling events were compared to the NYSDEC Division of Air Resources (DAR) publication “Air Guide-1 (AG-1): Annual Guideline Concentrations (AGC)/Short-term Guideline Concentrations (SGC) Tables”, updated October 18, 2010.

A screening level air dispersion modeling analysis was performed to determine whether these compounds would exceed the guideline concentrations at nearby sensitive receptors. The modeling analysis is provided in Appendix F. The analysis was performed using the NYSDEC DAR-1 Air Guide-1 Policy (Policy DAR-1: Guidelines for the Control of Toxic

Ambient Air Contaminants, November 12, 1997), which simulates the atmospheric processes that disperse pollutants from an emissions source to predict concentrations at selected downwind receptor locations. The procedures in the Policy DAR-1 are used to calculate conservative, worst-case annual and short-term concentrations based on the laboratory analytical results and exhaust stack parameters compared against the DAR-1 SGCs and AGCs.

Effluent concentrations from the SVE system were considered both individually and cumulatively to assess their impacts on the closest sensitive receptors, while accounting for atmospheric dispersion. The model results indicate that no VOCs detected in the effluent samples would exceed their respective SGCs or AGCs at the closest sensitive receptors.

The SVE system vapor modeling DAR-1 analysis is provided in Appendix F.

5.4 SSDS Operation, Maintenance, and Inspections

During the PRR reporting period, AKRF conducted quarterly inspections of the SSDS between October 2023 and April 2025. Routine inspection events consisted visual inspection noting the individual flow rate and vacuum readings for each of the active SSDS riser legs. The routine check also noted any alarms or unusual conditions (e.g., unusual odors, leaks, blower noise etc.). Typical routine maintenance items that were addressed during these inspections include:

- Confirmation that the blower is operating, and air is discharging through the exhaust piping to the roof;
- Confirmation that the gauges on each manifold leg are clean and within normal ranges; and
- Confirmation that the exterior of the active SSDS control panel is clean
- Confirmation/assess the operating condition of VMPs MP-01 through MP-14; and
- Confirmation/assess the structural integrity of concrete floor slabs overlying constructed active SSDS manifold and piping runs

The April 7, 2025 routine quarterly inspection revealed that one of the SSDS blowers, on the eastern tower roof, was not functional due to a broken belt. Measurements collected at the vapor monitoring points confirmed that, due to the influence of the other SSDS blower and the SVE blower, the induced vacuum beneath the slab was maintained within the operational parameters. The blower was repaired and brought back into service by April 10, 2025.

The routine and detailed inspections were documented in the inspection logs provided in Appendix G.

5.5 Investigation-Derived Waste (IDW)

5.5.1 Granular Activated Carbon (GAC)

During this PRR period, there was no disposal of the GAC associated with the SVE. During future events, spent carbon will be sampled and disposed of or recycled in accordance with all applicable local, state, and federal regulations as stated in the SMP Section 5.5.5.2 and the QAPP.

5.5.2 SVE Condensate

During this PRR period there was no disposal of the condensate associated with the SVE. If significant condensate accumulation in the SVE moisture separator is noted during future sampling events, it will be sampled and disposed of or recycled in accordance with all

applicable local, state, and federal regulations as stated in the SMP Section 5.5.5.3 and the QAPP.

5.5.3 Monitoring Well Purge Water

Purge water generated during the groundwater sampling events between January 2024 and January 2025 was containerized in 55-gallon drums and staged on-site to await off-site disposal. During the next monitoring event, the purge water will be sampled and disposed of or recycled in accordance with all applicable local, state, and federal regulations as stated in the SMP Section 1.8 and the QAPP.

5.6 Health and Safety Monitoring

The HASP, a component of the SMP, includes requirements for personnel training, protocols for work zone air monitoring and community air monitoring, designated personal protection equipment, and decontamination procedures. The HASP also includes a CAMP, which establishes protocols for VOC and particulate air monitoring to be conducted at the Site perimeter if work zone perimeter concentrations approach the applicable community action levels.

Because there was no soil disturbance or breaches of the site cover system during the reporting period, no air monitoring was performed. During groundwater monitoring, and modifications to the SVE system and SSDS component installation, field personnel followed the HASP protocol using modified Level D personal protective equipment (PPE), including nitrile gloves and safety glasses.

6.0 SITE MANAGEMENT SCHEDULE

Monitoring and inspections will continue to be performed in accordance with the SMP to evaluate performance and effectiveness of the remedy at the Site. Groundwater monitoring will continue on a quarterly basis through the end of 2025, per the SMP. Depending on the analytical results from the remaining quarterly groundwater monitoring events, the Volunteer will likely request a reduction in the frequency of groundwater monitoring and sampling events. The frequency of groundwater monitoring events will not be changed without NYSDEC approval, in accordance with the SMP. The SVE system extracted vapor sampling frequency will be reduced from semi-annually to annually. SVE system and SSDS inspections and monitoring will continue quarterly unless modification to the proposed SVE system operations, as outlined in Section 8.0, are approved by NYSDEC. In addition to the annual PRR, quarterly reports will be submitted to NYSDEC for review.

7.0 GREEN REMEDIATION EVALUATION

7.1 Green Remediation Evaluation

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. This section provides a summary of green remediation evaluations completed for the Site during site management and reported in this PRR.

7.2 Timing of Green Remediation Evaluations

For major remedial system components, green remediation evaluations and corresponding modifications will be undertaken as part of a formal Remedial System Optimization (RSO), if needed, or at any time that the NYSDEC project manager feels appropriate (e.g., during significant maintenance events or in conjunction with storm recovery activities).

Modifications resulting from green remediation evaluations will be routinely implemented and scheduled to occur during planned/routine operation and maintenance (O&M) activities after approval from the BCP project manager. To date, no green remediation modifications have been performed.

7.2 Remedial Systems

Remedial systems were operated properly considering the current Site conditions to conserve materials and resources to the greatest extent possible. Consideration was given to operating rates and the use of reagents and consumables. Purged groundwater from monitoring wells and spent GAC from the SVE system were not sent for disposal or recycling but likely will be during the next calendar year.

The SSDS and SVE system blowers were adjusted at system startup using the VFDs to minimize energy usage, and remained operating at the optimized settings throughout the PRR period.

7.3 Building Operations

The building was operated and maintained to provide for the most efficient operation of the remedy while minimizing energy, waste generation, and water consumption. Consideration was made with respect to:

- Heating/cooling systems and temperature set-points;
- Building skin, insulation, and building use and occupancy;
- Ventilation;
- Lighting and plug loads; and
- Grounds and property management.

7.4 Frequency of System Checks, Sampling, and Other Periodic Activities

Transportation to and from the Site, use of consumables in relation to visiting the Site in order to conduct system checks and/or collect samples, and shipping samples to a laboratory for analyses have direct and/or inherent energy costs. The schedule and/or means of these periodic activities have been prepared so that these tasks can be accomplished in a manner that does not impact remedy protectiveness but reduces expenditure of energy or resources, where feasible. Consideration was made with respect to:

- Reduced sampling frequencies;

Reduced Site visits and system checks;

Installation of remote sensing/operations and telemetry;

Bundling routine system operation checks, inspections, periodic sampling, and other Site management activities with other nearby sites;

Coordination/consolidation of activities to maximize foreman/labor time; and

Use of mass transit for Site visits, where available, and carpooling.

7.5 Remedial System Optimization

In accordance with Section 7.4 of the SMP, a Remedial System Optimization (RSO) study will be conducted at the Site any time that the NYSDEC project manager or the remedial party requests in writing that an in-depth evaluation of the remedy is needed. An RSO was not requested or performed during this reporting period.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of this PRR is to document the Site management activities and findings associated with the ICs and ECs, and to certify that the controls are being implemented in accordance with the NYSDEC. The IC/EC Certification Form is provided in Appendix H.

Based on the inspections and data summarized in this report, the following conclusions were developed:

- The IC/EC Certification Form for the Site was completed based on results from Site monitoring and inspections described in this report. The monitoring and inspection findings indicate that all ICs/ECs at the Site remain in place and effective.
- The ECs at the Site are in good condition and the SSDS and SVE system are operational and performing as designed.

In summary, the remedy remains effective and protective of human health and the environment and remains in compliance with the requirements set forth in the SMP. Inspections and maintenance, as required, will continue to be performed in accordance with the SMP, unless modification(s) to the SMP are otherwise approved by NYSDEC.

Groundwater monitoring will continue on a quarterly basis through the end of 2025, per the SMP. Depending on the analytical results from the remaining quarterly groundwater monitoring events, the Volunteer will likely request a reduction in the frequency of groundwater monitoring and sampling events. The frequency of groundwater monitoring events will not be changed without NYSDEC approval, in accordance with the SMP.

The maximum pre-remedial Freon-12 concentration in soil vapor during the 2020 Phase II Investigation and 2021 RI were 14,900,000 $\mu\text{g}/\text{m}^3$ (SV-19) and 648,000 $\mu\text{g}/\text{m}^3$ (RI-SV-08), respectively. The remedial activities to address the Freon-12 source area in the southeastern portion of the Site consisted of soil excavation and installation and operation of an SVE system. The SVE influent concentration in 2023 was 169 $\mu\text{g}/\text{m}^3$, and the influent SVE concentrations in 2024 ranged from 34.3 to 52.4 $\mu\text{g}/\text{m}^3$. The 2024 SVE system influent concentrations for Freon-12 in comparison to the maximum Phase II Investigation and RI soil vapor concentrations for Freon-12 show a significant (99.99+%) reduction.

Based on the inspections and data summarized in this report, the following requests/recommendations were developed:

1. That the Volunteer be permitted to remove the carbon drums from the SVE system and begin operating without carbon filtration; and
2. That the Volunteer be permitted to begin cycling the SVE system on a monthly basis with the goal of terminating operation by the end of 2026. A work plan, detailing the proposed system cycling procedures, will be drafted and submitted for NYSDEC and NYSDOH review and approval.

TABLES

Table 1
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Pre-Remedial Groundwater Analytical Results
VOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	RI-MW-01_20210318 L2113659-06 3/18/2021 µg/L 1	RI-MW-02_20210318 L2113659-02 3/18/2021 µg/L 1	RI-MW-03_20210319 L2113659-08 3/19/2021 µg/L 1	RI-MW-04_20210319 L2113659-09 3/19/2021 µg/L 1	RI-MW-05_20210319 L2113659-10 3/19/2021 µg/L 1	DUP-01_20210319 L2113659-11 3/19/2021 µg/L 1	RI-MW-06_20210318 L2113659-03 3/18/2021 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	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	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	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U	2 U	0.91 J	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	50	3.5 J	5 U	3.8 J	1.6 J	2.9 J	7.9
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	1.4	0.5 U	0.16 J	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	5 U	5 U	2.5 J	5 U	5 U	2.5 J
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	2.5 U	2.5 U	6.9	23	2.5 U	2.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 UJ	5 U	5 U	4.5 J	2.1 J	10 J
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 U	2.5 U	2.5 U	0.73 J	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	2.1 J	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	0.91 J	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Trans-1,4-Dichloro-2-Butene	5	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Quarterly Post-Remedial Groundwater Analytical Results
VOCs and TPH

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	MW-01_20240304 L2411621-01 3/04/2024 µg/L 1	MW-1_20240612 L2433259-05 6/12/2024 µg/L 1	MW-X_20240612 L2433259-02 6/12/2024 µg/L 1	MW-01_20240816 L2446856-01 8/16/2024 µg/L 1	MW-01_20241018 L2460992-03 10/18/2024 µg/L 1	MW-01_20250122 460-319158-2 1/22/2025 µg/L 1	MW-02_20240304 L2411621-02 3/04/2024 µg/L 1	MW-0X_20240304 L2411621-04 3/04/2024 µg/L 1	MW-2_20240612 L2433259-01 6/12/2024 µg/L 1
Volatile Organic Compounds (VOCs)	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	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-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	NR	NR	NR	NR	NR	1 UJ	NR	NR
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	NR	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	0.7 J	2.5 U	0.79 J	2.5 U	2.5 U	NR	1.2 J	0.84 J
1,2-Dibromo-3-Chloropropane	0.04	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	1 U	2.5 UJ	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,3-Dichlorobenzene	3	NR	NR	NR	NR	2.5 U	1 U	NR	NR
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U	2 U	2 U	NR	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	NR	2 U	2 U
Acetone	50	1.7 J	5 U	5 U	5 U	5.7 J	53	5 U	5 U
Acrolein	5	NR	NR	NR	NR	NR	NR	NR	NR
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	NR	5 U	5 U
Benzene	1	4.6	3.2	3.2	1	4.3 J	9	4.3	3.2
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Bromoform	50	2 UJ	2 UJ	2 UJ	2 U	2 U	1 U	2 UJ	2 UJ
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	1 U	2.5 UJ	2.5 UJ
Carbon Disulfide	60	2.2 J	5 U	5 U	1.4 J	2.4 J	2.9	1.5 J	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Cyclohexane	NS	NR	NR	NR	NR	NR	1 UJ	NR	NR
Cymene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Dibromochloromethane	50	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 UJ	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	NR	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Ethylbenzene	5	1.2 J	0.85 J	0.79 J	2.5 U	1.1 J	1.9	1.2 J	0.8 J
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
M,P-Xylenes	5	1.2 J	0.7 J	2.5 U	2.5 U	1.1 J	1.7	1.1 J	0.76 J
Methyl Acetate	NS	NR	NR	NR	NR	NR	5 U	NR	NR
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U	5 U	36 L	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	NR	NR	NR	NR	NR	1 U	NR	NR
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	1.1 J	2.5 U	2.5 U	2.5 U	0.97 J	1.6	1.3 J	1.2 J
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NR	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	NR	NR	NR	NR	NR	NR	NR	NR
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Toluene	5	1 J	2.5 U	0.8 J	2.5 U	0.93 J	1.9	0.89 J	0.85 J
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	NR	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	1 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	NR	2.5 UJ	2.5 U
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 U	5 U	5 UJ	NR	NR	5 U	5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2.3 J	0.7 J	2.5 U	2.5 U	2.1 J	NR	2.4 J	0.76 J
Total Petroleum Hydrocarbons (TPH)	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
TPH - Diesel Range Organics (C10 - C28)	NS	401	213	304	115	303	NR	429	288
TPH - Oil Range Organics	NS	41.9	10.1 J	10.8	5.01	28.8	NR	26.6	18.5

Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Quarterly Post-Remedial Groundwater Analytical Results
VOCs and TPH

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	MW-02_20240816 L2446856-02 8/16/2024 µg/L 1	MW-0X_20240816 L2446856-04 8/16/2024 µg/L 1	MW-02_20241018 L2460992-02 10/18/2024 µg/L 1	MW-0X_20241018 L2460992-05 10/18/2024 µg/L 1	MW-02_20250122 460-319158-1 1/22/2025 µg/L 1	MW-0X_20250122 460-319158-3 1/22/2025 µg/L 1	MW-03_20240304 L2411621-03 3/04/2024 µg/L 1	MW-3_20240612 L2433259-06 6/12/2024 µg/L 1	MW-03_20240816 L2446856-03 8/16/2024 µg/L 1
Volatile Organic Compounds (VOCs)	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	NR	NR	NR	NR	1 U	1 U	NR	NR
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1 U	1 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	NR	NR	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 UJ	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.006	2 U	2 U	2 U	2 U	1 U	1 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
1,3-Dichlorobenzene	3	NR	NR	2.5 U	2.5 U	1 U	1 U	NR	NR
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U	2 U	NR	NR	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	NR	NR	2 U	2 U
Acetone	50	5 U	5 U	1.7 J	2.6 J	5 U	5 U	5 U	10
Acrolein	5	NR	NR	NR	NR	NR	NR	NR	NR
Acrylonitrile	5	5 U	5 U	5 U	5 U	NR	NR	5 U	5 U
Benzene	1	2	2	2.3 J	1.6 J	3.3	3.3	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	1 U	1 U	2 UJ	2 U
Bromomethane	5	2.5 UJ	2.5 UJ	2.5 U	2.5 U	1 U	1 U	2.5 UJ	2.5 UJ
Carbon Disulfide	60	5 U	5 U	5 U	5 U	1 U	1 U	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Cyclohexane	NS	NR	NR	NR	NR	1 U	1 U	NR	NR
Cymene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 UJ	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	NR	NR	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	1 U	1 U	5 U	5 U
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	0.73 J	0.77 J	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U	2.5 U	0.35 J	1 U	2.5 U	2.5 U
M,P-Xylenes	5	2.5 U	2.5 U	2.5 U	2.5 U	0.7 J	0.72 J	2.5 U	2.5 U
Methyl Acetate	NS	NR	NR	NR	NR	5 U	5 U	NR	NR
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	NR	NR	NR	NR	1 U	1 U	NR	NR
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U	2.5 U	0.59 J	0.61 J	2.5 U	2.5 U
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
Tert-Butyl Alcohol	NS	NR	NR	NR	NR	NR	NR	NR	NR
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	0.77 J	2.5 UJ	0.95 J	0.9 J	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 UJ	0.5 UJ	0.5 U	0.5 U	NR	NR	0.5 U	0.5 UJ
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 UJ	0.5 UJ	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 UJ
Trans-1,4-Dichloro-2-Butene	5	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 UJ	2.5 U
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 U	5 UJ	5 UJ	NR	NR	5 U	5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U	2.5 U	NR	NR	2.5 U	2.5 U
Total Petroleum Hydrocarbons (TPH)	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
TPH - Diesel Range Organics (C10 - C28)	NS	303	237	427	294	NR	NR	116	70.7
TPH - Oil Range Organics	NS	27.7	7.41 J	72.4	42.9	NR	NR	23.5	2.66 U

Table 2
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Quarterly Post-Remedial Groundwater Analytical Results
VOCs and TPH

AKRF Sample ID	MW-03_20241018	MW-03_20250127
Laboratory Sample ID	L2460992-01	460-319369-1
Date Sampled	10/18/2024	1/27/2025
Unit	µg/L	µg/L
Dilution Factor	1	1
Volatiles Organic Compounds (VOCs)	AWQSGV	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U
1,1,1-Trichloroethane	5	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	NR
1,1,2-Trichloroethane	1	1.5 U
1,1-Dichloroethane	5	2.5 U
1,1-Dichloroethene	5	0.5 U
1,1-Dichloropropene	5	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U
1,2,4-Trichlorobenzene	5	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U
1,2-Dichlorobenzene	3	2.5 U
1,2-Dichloroethane	0.6	0.5 U
1,2-Dichloropropane	1	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U
1,3-Dichlorobenzene	3	2.5 U
1,3-Dichloropropane	5	2.5 U
1,4-Dichlorobenzene	3	2.5 U
1,4-Diethyl Benzene	NS	2 U
2,2-Dichloropropane	5	2.5 U
2-Chlorotoluene	5	2.5 U
2-Hexanone	50	5 U
4-Chlorotoluene	5	2.5 U
4-Ethyltoluene	NS	2 U
Acetone	50	1.8 J
Acrolein	5	NR
Acrylonitrile	5	5 U
Benzene	1	0.5 UJ
Bromobenzene	5	2.5 U
Bromochloromethane	5	2.5 U
Bromodichloromethane	50	0.5 U
Bromoform	50	2 U
Bromomethane	5	2.5 U
Carbon Disulfide	60	5 U
Carbon Tetrachloride	5	0.5 U
Chlorobenzene	5	2.5 U
Chloroethane	7	2.5 U
Chloroform	7	2.5 U
Chloromethane	5	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U
Cyclohexane	NS	NR
Cymene	5	2.5 U
Dibromochloromethane	50	0.5 U
Dibromomethane	5	5 U
Dichlorodifluoromethane	5	5 U
Dichloroethylenes	NS	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U
Ethylbenzene	5	2.5 U
Isopropylbenzene (Cumene)	5	2.5 U
M,P-Xylenes	5	2.5 U
Methyl Acetate	NS	NR
Methyl Ethyl Ketone (2-Butanone)	50	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U
Methylcyclohexane	NS	NR
Methylene Chloride	5	2.5 U
N-Butylbenzene	5	2.5 U
N-Propylbenzene	5	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U
Sec-Butylbenzene	5	2.5 U
Styrene	5	2.5 U
T-Butylbenzene	5	2.5 U
Tert-Butyl Alcohol	NS	NR
Tert-Butyl Methyl Ether	10	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U
Toluene	5	2.5 UJ
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 U
Trichloroethylene (TCE)	5	0.5 U
Trichlorofluoromethane	5	2.5 U
Vinyl Acetate	NS	5 UJ
Vinyl Chloride	2	1 U
Xylenes, Total	NS	2.5 U
Total Petroleum Hydrocarbons (TPH)	AWQSGV	CONC Q
TPH - Diesel Range Organics (C10 - C28)	NS	115
TPH - Oil Range Organics	NS	22.6

Table 3
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
SVES Extracted Vapor Analytical Results
VOCs

Compound	Sample ID Lab Sample ID Date Sampled Unit Dilution Factor		SVE-INF_20231005 L2359076-01 10/05/2023 µg/m³ 2.021	SVE-INF_20240305 L2411776-01 3/05/2024 µg/m³ 2.093	INF_20241018 L2461002-01 10/18/2024 µg/m³ 1	SVE-INT_20231005 L2359076-02 10/05/2023 µg/m³ 2.097	SVE-INT_20240305 L2411776-02 3/05/2024 µg/m³ 2.092	INT_20241018 L2461002-02 10/18/2024 µg/m³ 1
	DAR-1 AGC	DAR-1 SGC	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5,000	9,000	2.2 U	2.29 U	1.09 U	2.29 U	2.28 U	1.09 U
1,1,2,2-Tetrachloroethane	16	NS	2.77 U	2.88 U	1.37 U	2.88 U	2.87 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	180,000	960,000	3.1 U	3.21 U	NR	3.21 U	3.2 U	NR
1,1,2-Trichloroethane	1.4	NS	2.2 U	2.29 U	1.09 U	2.29 U	2.28 U	1.09 U
1,1-Dichloroethane	0.63	NS	1.64 U	1.7 U	0.809 U	1.7 U	1.69 U	0.809 U
1,1-Dichloroethene	200	NS	1.6 U	1.66 U	0.793 U	1.66 U	1.66 U	0.793 U
1,2,4-Trichlorobenzene	NS	3,700	3 U	3.11 UJ	1.48 U	3.11 UJ	3.1 UJ	1.48 U
1,2,4-Trimethylbenzene	6	NS	1.99 U	2.06 U	0.983 U	2.06 U	2.05 U	0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0017	NS	3.1 U	3.22 U	1.54 U	3.22 U	3.21 U	1.54 U
1,2-Dichlorobenzene	200	30,000	2.43 U	2.52 U	1.2 U	2.52 U	2.51 U	1.2 U
1,2-Dichloroethane	0.038	NS	1.64 U	1.7 U	0.809 U	1.7 U	1.69 U	0.809 U
1,2-Dichloropropane	4	NS	1.87 U	1.94 U	0.924 U	1.94 U	1.93 U	0.924 U
1,2-Dichlorotetrafluoroethane	17,000	NS	2.82 U	2.93 U	NS	2.93 U	2.92 U	NS
1,3,5-Trimethylbenzene (Mesitylene)	6	NS	1.99 U	2.06 U	0.983 U	2.06 U	2.05 U	0.983 U
1,3-Butadiene	0.033	NS	0.894 U	0.927 U	0.442 U	0.927 U	0.925 U	0.442 U
1,3-Dichlorobenzene	10	NS	2.43 U	2.52 U	1.2 U	2.52 U	2.51 U	1.2 U
1,4-Dichlorobenzene	0.09	NS	2.43 U	2.52 U	1.2 U	2.52 U	2.51 U	1.2 U
2,2,4-Trimethylpentane	3,300	NS	1.89 U	1.96 U	0.934 U	1.96 U	1.95 U	0.934 U
2-Hexanone	30	4,000	1.66 U	1.72 U	0.82 U	1.72 U	1.71 U	0.82 U
4-Ethyltoluene	NS	NS	1.99 U	2.06 U	0.983 U	2.06 U	2.05 U	0.983 U
Acetone	30,000	180,000	150	12.8	35.2	20.8	22.2	30.6
Allyl Chloride (3-Chloropropene)	1	600	1.26 U	1.31 U	0.626 U	1.31 U	1.31 U	0.626 U
Benzene	0.13	1,300	1.29 U	1.34 U	0.639 U	1.34 U	1.34 U	0.639 U
Benzyl Chloride	0.02	240	2.09 U	2.17 U	1.04 U	2.17 U	2.16 U	1.04 U
Bromodichloromethane	70	NS	2.71 U	2.81 U	1.34 U	2.81 U	2.8 U	1.34 U
Bromoform	0.91	NS	4.18 U	4.33 U	2.07 U	4.33 U	4.32 U	2.07 U
Bromomethane	NS	3,900	1.57 U	1.63 U	0.777 U	1.63 U	1.62 U	0.777 U
Carbon Disulfide	700	6,200	1.26 U	1.3 U	0.623 U	1.3 U	1.3 U	0.623 U
Carbon Tetrachloride	0.067	1,900	2.54 U	2.64 U	1.26 U	2.64 U	2.63 U	1.26 U
Chlorobenzene	60	NS	1.86 U	1.93 U	0.921 U	1.93 U	1.93 U	0.921 U
Chloroethane	NS	NS	1.07 U	1.11 U	0.528 U	1.11 U	1.1 U	0.528 U
Chloroform	14.7	150	3.27	2.05 U	6.25	2.05 U	2.04 U	11.1
Chloromethane	90	22,000	0.834 U	0.865 U	0.413 U	0.865 U	0.863 U	0.413 U
Cis-1,2-Dichloroethylene	63	NS	1.6 U	1.66 U	0.793 U	1.66 U	1.66 U	0.793 U
Cis-1,3-Dichloropropene	0.25	NS	1.83 U	1.9 U	0.908 U	1.9 U	1.9 U	0.908 U
Cyclohexane	6,000	NS	2	1.44 U	0.688 U	1.44 U	1.44 U	0.688 U
Dibromochloromethane	NS	NS	3.44 U	3.57 U	1.7 U	3.57 U	3.56 U	1.7 U
Dichlorodifluoromethane	12,000	NS	169	34.3	52.4	175	34.4	51.4
Ethanol	45,000	NS	73.7	28.5	9.42 U	47.1	24.9	9.42 U
Ethyl Acetate	3,400	NS	3.64 U	3.78 U	1.8 U	3.78 U	3.78 U	1.8 U
Ethylbenzene	1,000	NS	2.48	2.44	4.52	1.82 U	1.82 U	1.48
Hexachlorobutadiene	0.045	NS	4.31 U	4.47 U	2.13 U	4.47 U	4.46 U	2.13 U
Isopropanol	7,000	98,000	103	174	191	112	21.9	212
M,P-Xylenes	100	22,000	9.86	10.4	20.6	5.43	3.64 U	7.34
Methyl Ethyl Ketone (2-Butanone)	5,000	13,000	3.72	3.1 U	1.97	3.1 U	3.1 U	2.06
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3,000	31,000	4.14 U	4.3 U	2.05 U	4.3 U	4.3 U	2.05 U
Methylene Chloride	60	14,000	3.51 U	3.65 U	4.34	3.65 U	3.65 U	5.25
Naphthalene	NS	NS	NR	2.2 U	27.3	NR	2.19 U	42.6
N-Heptane	3,900	210,000	1.66 U	1.72 U	NS	1.72 U	1.71 U	NS
N-Hexane	700	NS	1.42 U	1.78	1.05 U	1.48 U	4.93	1.05 U
O-Xylene (1,2-Dimethylbenzene)	100	22,000	3.97	5.86	6.56	2.22	1.82 U	2.35
Styrene	1,000	1,700	1.72 U	1.78 U	0.852 U	1.78 U	1.78 U	0.852 U
Tert-Butyl Alcohol	720	NS	3.06 U	NR	1.52 U	4.06	NR	1.52 U
Tert-Butyl Methyl Ether	3.8	NS	1.46 U	1.51 U	0.721 U	1.51 U	1.51 U	0.721 U
Tetrachloroethylene (PCE)	4	300	4.48	24.4	2.02	2.84 U	2.83 U	1.36 U
Tetrahydrofuran	350	30,000	5.16	3.1 U	1.47 U	3.1 U	3.1 U	4.54
Toluene	5,000	37,000	17	4.64	1.39	16.7	14.8	0.938
Trans-1,2-Dichloroethene	63	NS	1.6 U	1.66 U	0.793 U	1.66 U	1.66 U	0.793 U
Trans-1,3-Dichloropropene	0.25	NS	1.83 U	1.9 U	0.908 U	1.9 U	1.9 U	0.908 U
Trichloroethylene (TCE)	0.2	14,000	2.17 U	2.25 U	1.07 U	2.25 U	2.25 U	1.07 U
Trichlorofluoromethane	5,000	9,000	719	101	248	71.4	261	261
Vinyl Bromide	3	NS	1.77 U	1.83 U	0.874 U	1.83 U	1.83 U	0.874 U
Vinyl Chloride	0.068	180,000	1.03 U	1.07 U	0.511 U	1.07 U	1.07 U	0.511 U

Table 3
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
SVES Extracted Vapor Analytical Results
VOCs

		Sample ID Lab Sample ID Date Sampled Unit Dilution Factor	SVE-EFF_20231005 L2359076-03 10/05/2023 µg/m ³ 2.063	SVE-EFF_20240305 L2411776-03 3/05/2024 µg/m ³ 2.1	EFF_20241018 L2461002-03 10/18/2024 µg/m ³ 1
Compound	DAR-1 AGC	DAR-1 SGC	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5,000	9,000	2.25 U	2.29 U	1.09 U
1,1,2,2-Tetrachloroethane	16	NS	2.84 U	2.88 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	180,000	960,000	3.17 U	3.22 U	NR
1,1,2-Trichloroethane	1.4	NS	2.25 U	2.29 U	1.09 U
1,1-Dichloroethane	0.63	NS	1.67 U	1.7 U	0.809 U
1,1-Dichloroethene	200	NS	1.64 U	1.67 U	0.793 U
1,2,4-Trichlorobenzene	NS	3,700	3.07 UJ	3.12 UJ	1.48 U
1,2,4-Trimethylbenzene	6	NS	2.03 UJ	2.06 U	0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0017	NS	3.17 U	3.23 U	1.54 U
1,2-Dichlorobenzene	200	30,000	2.48 U	2.53 U	1.2 U
1,2-Dichloroethane	0.038	NS	1.67 U	1.7 U	0.809 U
1,2-Dichloropropane	4	NS	1.91 U	1.94 U	0.924 U
1,2-Dichlorotetrafluoroethane	17,000	NS	2.89 U	2.94 U	NS
1,3,5-Trimethylbenzene (Mesitylene)	6	NS	2.03 U	2.06 U	0.983 U
1,3-Butadiene	0.033	NS	0.914 U	0.929 U	0.442 U
1,3-Dichlorobenzene	10	NS	2.48 U	2.53 U	1.2 U
1,4-Dichlorobenzene	0.09	NS	2.48 U	2.53 U	1.2 U
2,2,4-Trimethylpentane	3,300	NS	1.93 U	1.96 U	0.934 U
2-Hexanone	30	4,000	1.69 U	1.72 U	0.82 U
4-Ethyltoluene	NS	NS	2.03 U	2.06 U	0.983 U
Acetone	30,000	180,000	92.2	25.9	34.2
Allyl Chloride (3-Chloropropene)	1	600	1.29 U	1.31 U	0.626 U
Benzene	0.13	1,300	1.32 U	1.34 U	0.639 U
Benzyl Chloride	0.02	240	2.14 U	2.17 U	1.04 U
Bromodichloromethane	70	NS	2.77 U	2.81 U	1.34 U
Bromoform	0.91	NS	4.27 U	4.34 U	2.07 U
Bromomethane	NS	3,900	1.6 U	1.63 U	0.777 U
Carbon Disulfide	700	6,200	1.29 U	1.31 U	0.623 U
Carbon Tetrachloride	0.067	1,900	2.6 U	2.64 U	1.26 U
Chlorobenzene	60	NS	1.9 U	1.93 U	0.921 U
Chloroethane	NS	NS	1.09 U	1.11 U	0.528 U
Chloroform	14.7	150	2.02 U	2.05 U	8.64
Chloromethane	90	22,000	0.853 U	0.867 U	0.413 U
Cis-1,2-Dichloroethylene	63	NS	1.64 U	1.67 U	0.793 U
Cis-1,3-Dichloropropene	0.25	NS	1.87 U	1.91 U	0.908 U
Cyclohexane	6,000	NS	8.33	1.45 U	0.688 U
Dibromochloromethane	NS	NS	3.52 U	3.58 U	1.7 U
Dichlorodifluoromethane	12,000	NS	164	33.5	53.9
Ethanol	45,000	NS	110	26.2	9.42 U
Ethyl Acetate	3,400	NS	3.71 U	3.78 U	1.8 U
Ethylbenzene	1,000	NS	2.04	1.82 U	2
Hexachlorobutadiene	0.045	NS	4.41 U	4.48 U	2.13 U
Isopropanol	7,000	98,000	197	23.4	270
M,P-Xylenes	100	22,000	7.08	3.65 U	8.9
Methyl Ethyl Ketone (2-Butanone)	5,000	13,000	17.5	3.1 U	1.83
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3,000	31,000	4.22 U	4.3 U	2.05 U
Methylene Chloride	60	14,000	3.58 U	3.65 U	5
Naphthalene	NS	NS	NR	2.2 U	28.3
N-Heptane	3,900	210,000	2.9	1.72 U	NS
N-Hexane	700	NS	1.46 U	5.71	1.05 U
O-Xylene (1,2-Dimethylbenzene)	100	22,000	2.43	1.82 U	2.59
Styrene	1,000	1,700	1.76 U	1.79 U	0.852 U
Tert-Butyl Alcohol	720	NS	3.12 U	NR	1.52 U
Tert-Butyl Methyl Ether	3.8	NS	1.49 U	1.51 U	0.721 U
Tetrachloroethylene (PCE)	4	300	2.8 U	4.71	1.36 U
Tetrahydrofuran	350	30,000	6.13	4.1	3.19
Toluene	5,000	37,000	22.8	12.7	1.37
Trans-1,2-Dichloroethene	63	NS	1.64 U	1.67 U	0.793 U
Trans-1,3-Dichloropropene	0.25	NS	1.87 U	1.91 U	0.908 U
Trichloroethylene (TCE)	0.2	14,000	2.22 U	2.26 U	1.07 U
Trichlorofluoromethane	5,000	9,000	29.8	68.6	261
Vinyl Bromide	3	NS	1.81 U	1.84 U	0.874 U
Vinyl Chloride	0.068	180,000	1.06 U	1.07 U	0.511 U

Tables 1-3
Newtown Creek Bud Site – North Block
2-21 Malt Drive, Long Island City, NY
Notes

DEFINITIONS

J : The concentration given is an estimated value.

L : Sample result is estimated and biased low.

NR : Not reported.

NS : No standard.

U : The analyte was not detected at the indicated concentration.

UJ : The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise

µg/L : micrograms per liter

µg/m³ : micrograms per cubic meter

STANDARDS

NYSDEC : New York State Department of Environmental Conservation (NYSDEC) Technical and Operational
Class GA : Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values
AWQSGVs (AWQSGVs).

Exceedances of NYSDEC Class GA AWQSGVs are highlighted in bold font.

DAR-1 : NYSDEC Division of Air Resources (DAR) Annual Guideline Concentrations (AGC) and Short-Term
AGC/SGC : Guideline Concentrations (SGC) published in Air Guide-1 (DAR-1) Oct 18, 2010.

Exceedances of DAR-1 AGCs are highlighted in bold font.

Exceedances of DAR-1 SGCs are highlighted in gray shading.

DUPLICATES

DUP-01_20210319 is a blind duplicate of sample RI-MW-05_20210319

MW-0X_20240304 is a blind duplicate of sample MW-02_20240304

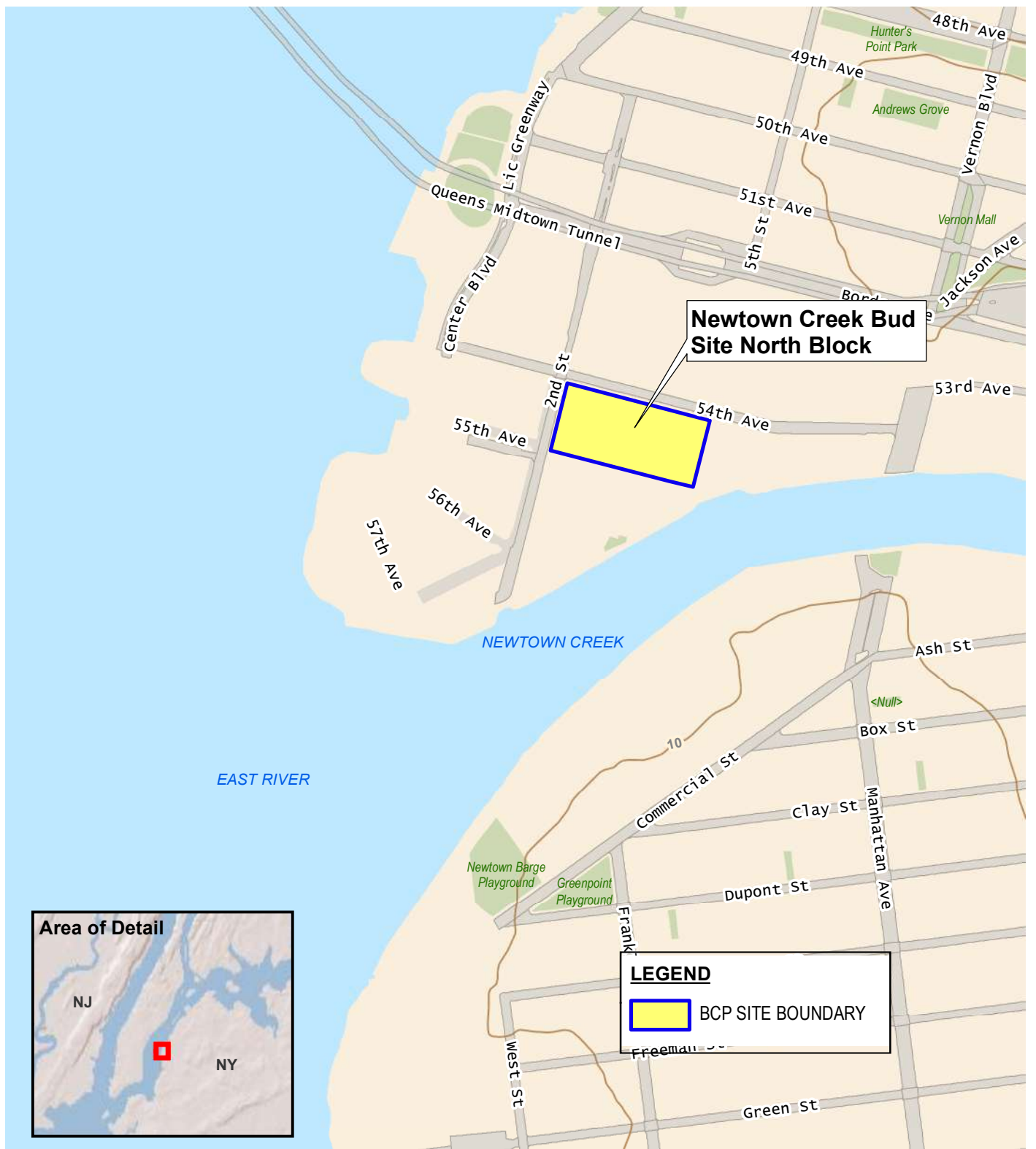
MW-0X_20240816 is a duplicate of sample MW-03_20240816

MW-0X_20241018 is a blind duplicate of sample MW-02_20241018

MW-0X_20250122 is a blind duplicate of sample MW-02_20250122

MW-X_20240612 is a blind duplicate of sample MW-1_20240612

FIGURES



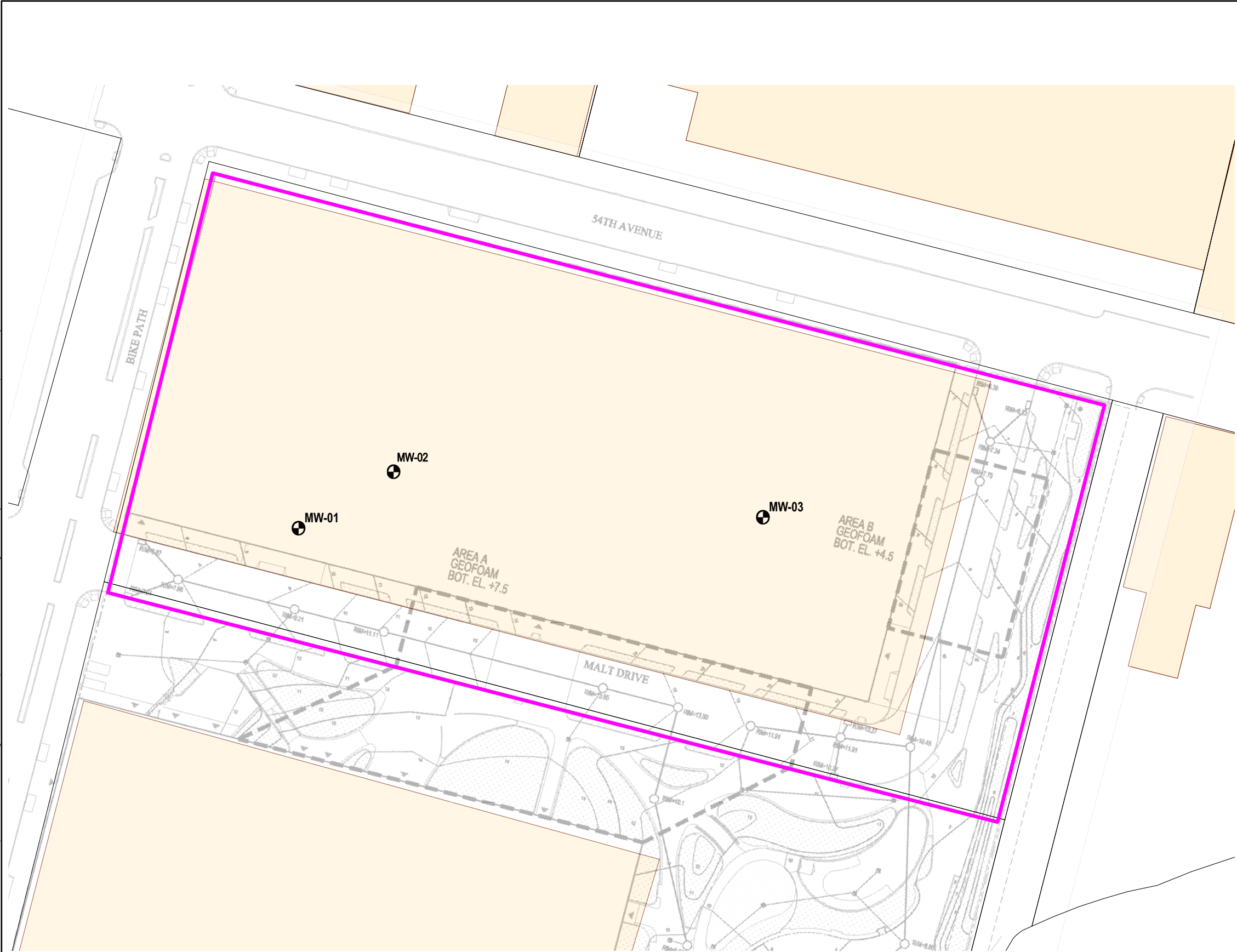
440 Park Avenue South, New York, NY 10016

Newtown Creek Bud Site - North Block
2-10 54th Avenue - Long Island City, New York

BCP SITE LOCATION

DATE
11/29/2021
PROJECT NO.
200112
FIGURE
1

AKRF W:\Projects\200112 - BUD NORTH\Technical\GIS and Graphics\hazmat\PR\PR Figures March 2025.aprx 4/8/2025 11:51 AM\200112 Figure 2 Site Layout and Soil and Groundwater Sample Locations.j2xalus



Newtown Creek Bud Site - North Block
2-21 Malt Drive - Long Island City, New York

SITE LAYOUT AND SOIL AND GROUNDWATER SAMPLE LOCATIONS



440 Park Avenue South, New York, NY 10016

DATE

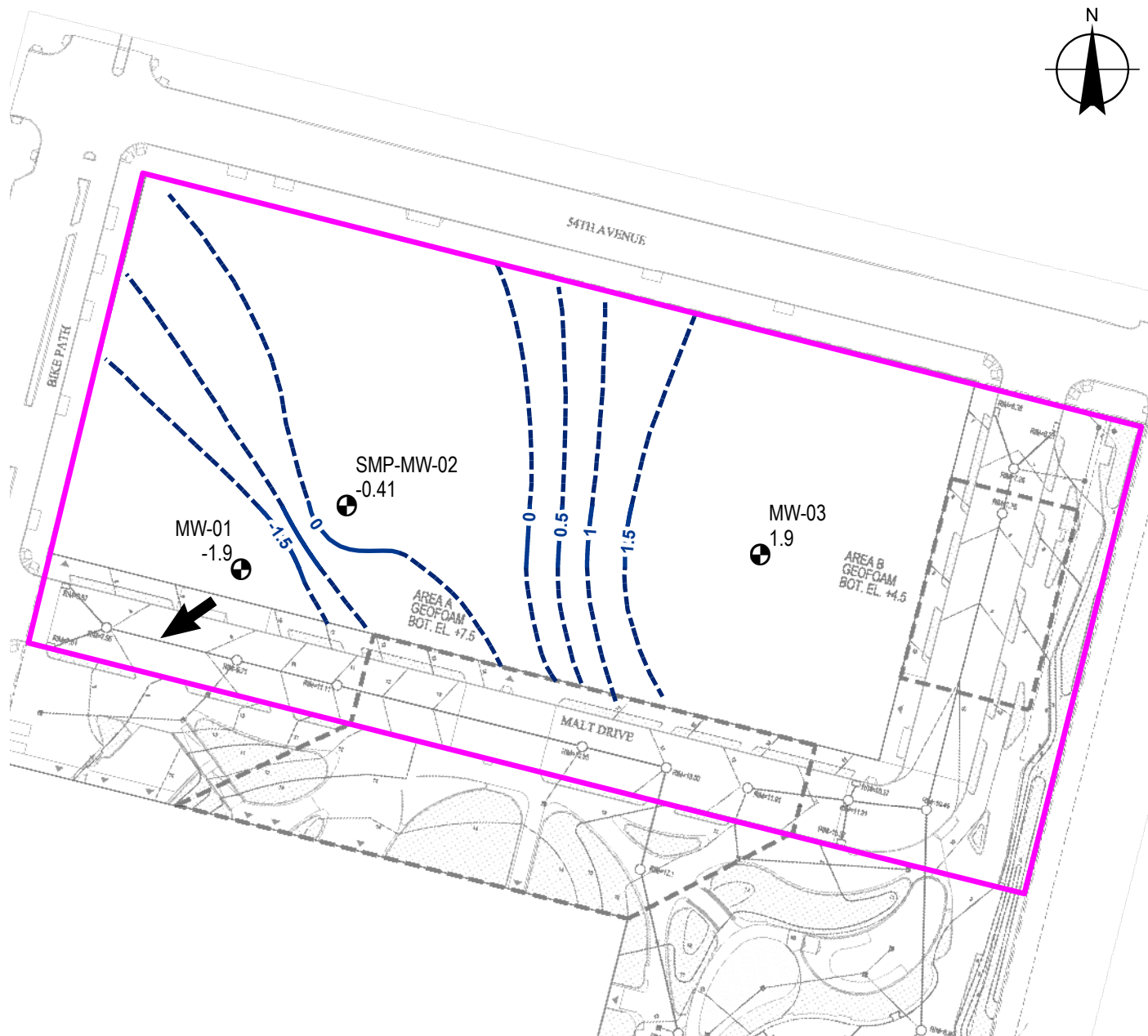
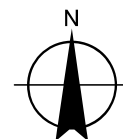
4/8/2025

PROJECT NO.

200112

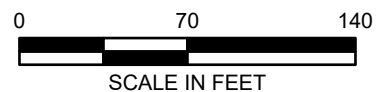
FIGURE

2



LEGEND

-  BCP SITE BOUNDARY
-  MONITORING WELL WATER TABLE ELEVATION IN FEET (NAVD 88)
-  INFERRED WATER TABLE ELEVATION
-  MONITORING WELL ID WITH ELEVATION IN FEET PREVIOUS
-  GROUNDWATER FLOW DIRECTION



Map Source:
NYCDP (NYC Dept. of City Planning) GIS database

akrf

440 Park Avenue South, New York, NY 10016

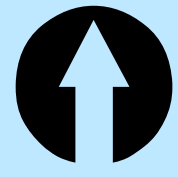
Newtown Creek Bud Site - North Block
2-10 54th Avenue
Queens, NY

Groundwater Elevation Contour Map
- March 2025

DATE
3/31/2025

PROJECT NO.
200112

FIGURE
3



440 Park Avenue South, New York, N.Y. 10016

Newtown Creek Bud Site - North Block

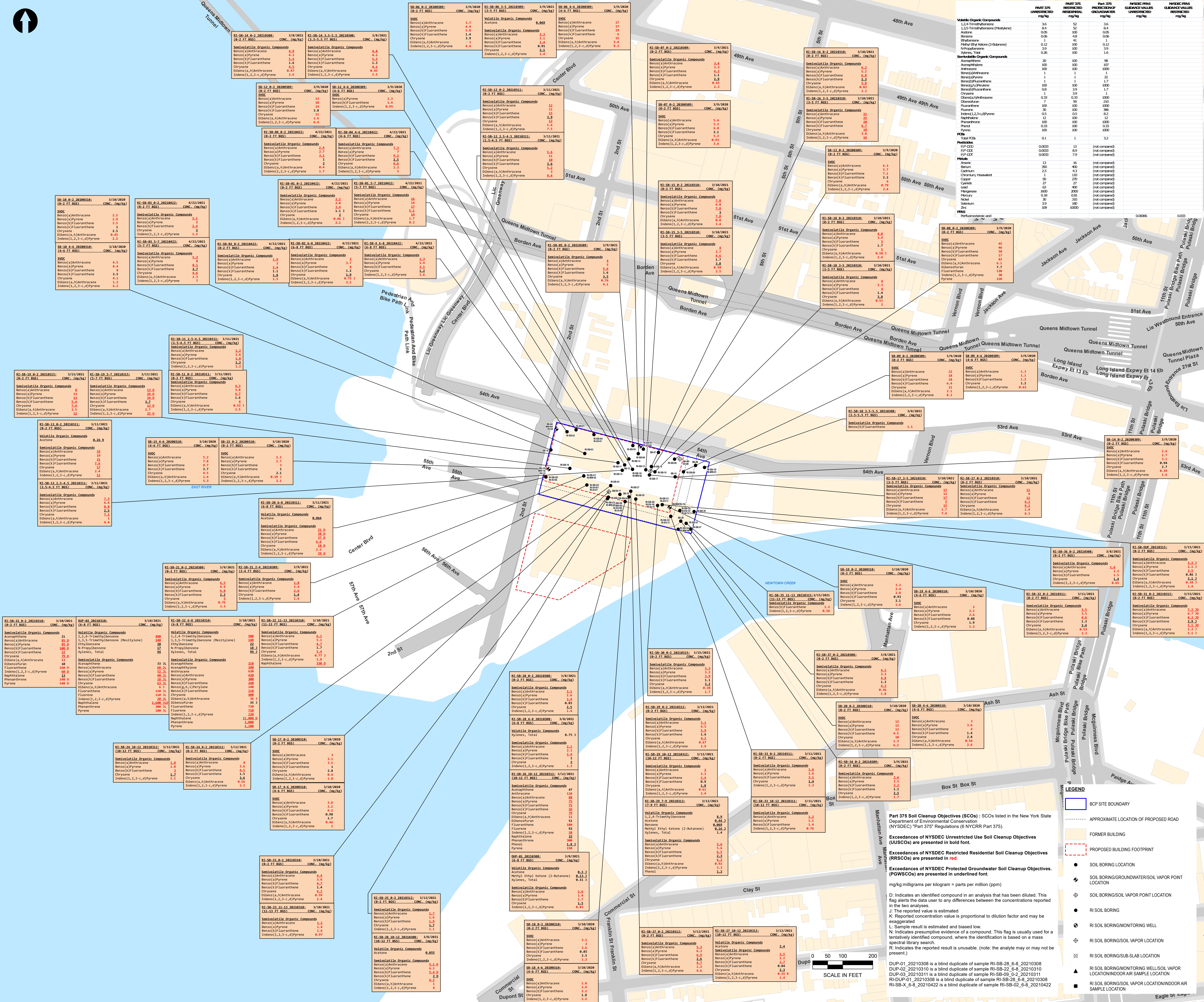
2-21 Malt Drive, Long Island City, New York

RI VOC & SVOC Soil Sample Concentrations Above UUSCOs, RRSCOs, and/or PGWSCOs

DATE
11/29/21

PROJECT NO.
200112

FIGURE
4A



Part 375 Soil Cleanup Objectives (SCOs): SCOs listed in the New York State Department of Environmental Conservation (NYSDCE) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of NYSDCE Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDCE Restricted Residential Soil Cleanup Objectives (RRSCOs) are presented in red.

Exceedances of NYSDCE Protected Groundwater Soil Cleanup Objectives (PGWSCOs) are presented in underlined font.

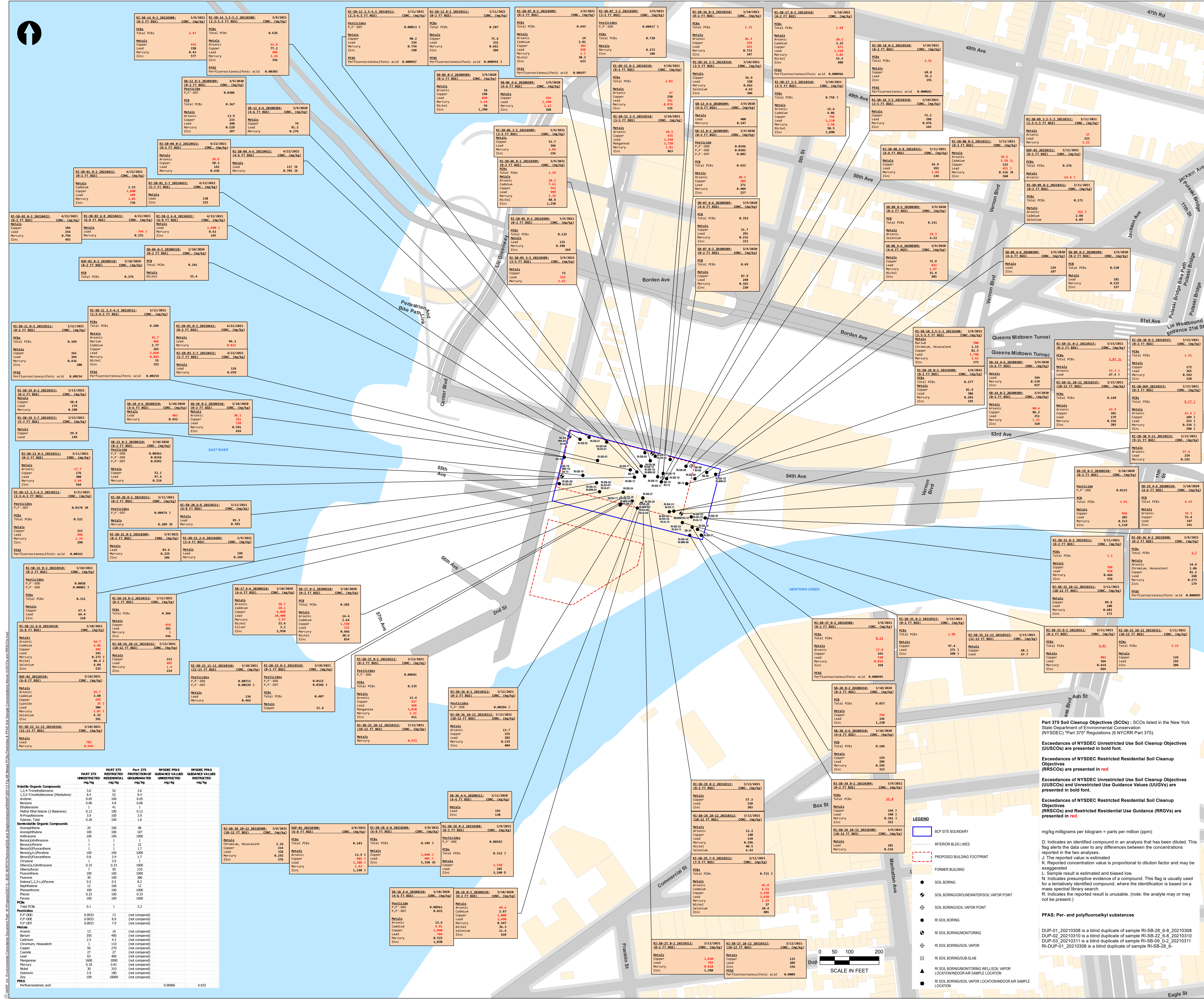
mg/kg: milligrams per kilogram = parts per million (ppm)

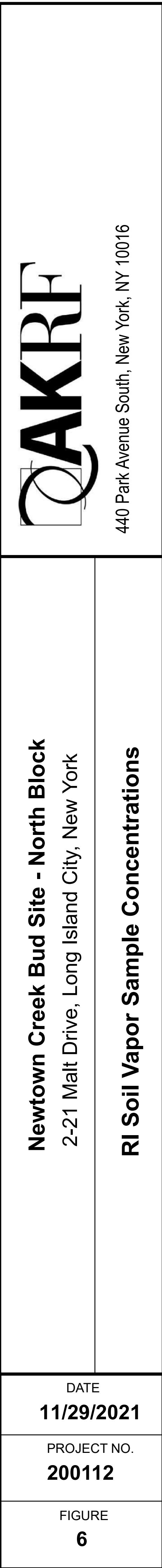
D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
K: The reported value is estimated
J: Reported concentration value is proportional to dilution factor and may be exaggerated
L: Sample result is estimated and biased low
N: Indicates presumptive evidence of a compound. This flag is usually used for a tentatively identified compound, where the identification is based on a mass spectral library search.
R: Indicates the reported result is unusable. (note: the analyte may or may not be present)

DUP-01, 20210308 is a blind duplicate of sample RI-SB-28-6-8-20210308
DUP-02, 20210310 is a blind duplicate of sample RI-SB-22-6-8-20210310
DUP-03, 20210311 is a blind duplicate of sample RI-SB-09-0-2-20210311
RI-DUP-01, 20210308 is a blind duplicate of sample RI-SB-28-6-8-20210308
RI-SB-X-6-8-20210422 is a blind duplicate of sample RI-SB-02-6-8-20210422

LEGEND

- BCP SITE BOUNDARY
- APPROXIMATE LOCATION OF PROPOSED ROAD
- FORMER BUILDING
- PROPOSED BUILDING FOOTPRINT
- SOIL BORING LOCATION
- SOIL BORING/GROUNDWATER/SOIL VAPOR POINT LOCATION
- SOIL BORING/SOIL VAPOR POINT LOCATION
- RI SOIL BORING
- RI SOIL BORING/MONITORING WELL
- RI SOIL BORING/SOIL VAPOR LOCATION
- RI SOIL BORING/SUB-SLAB LOCATION
- RI SOIL BORING/MONITORING WELL/SOIL VAPOR LOCATION/INDOOR AIR SAMPLE LOCATION
- RI SOIL BORING/SOIL VAPOR LOCATION/INDOOR AIR SAMPLE LOCATION



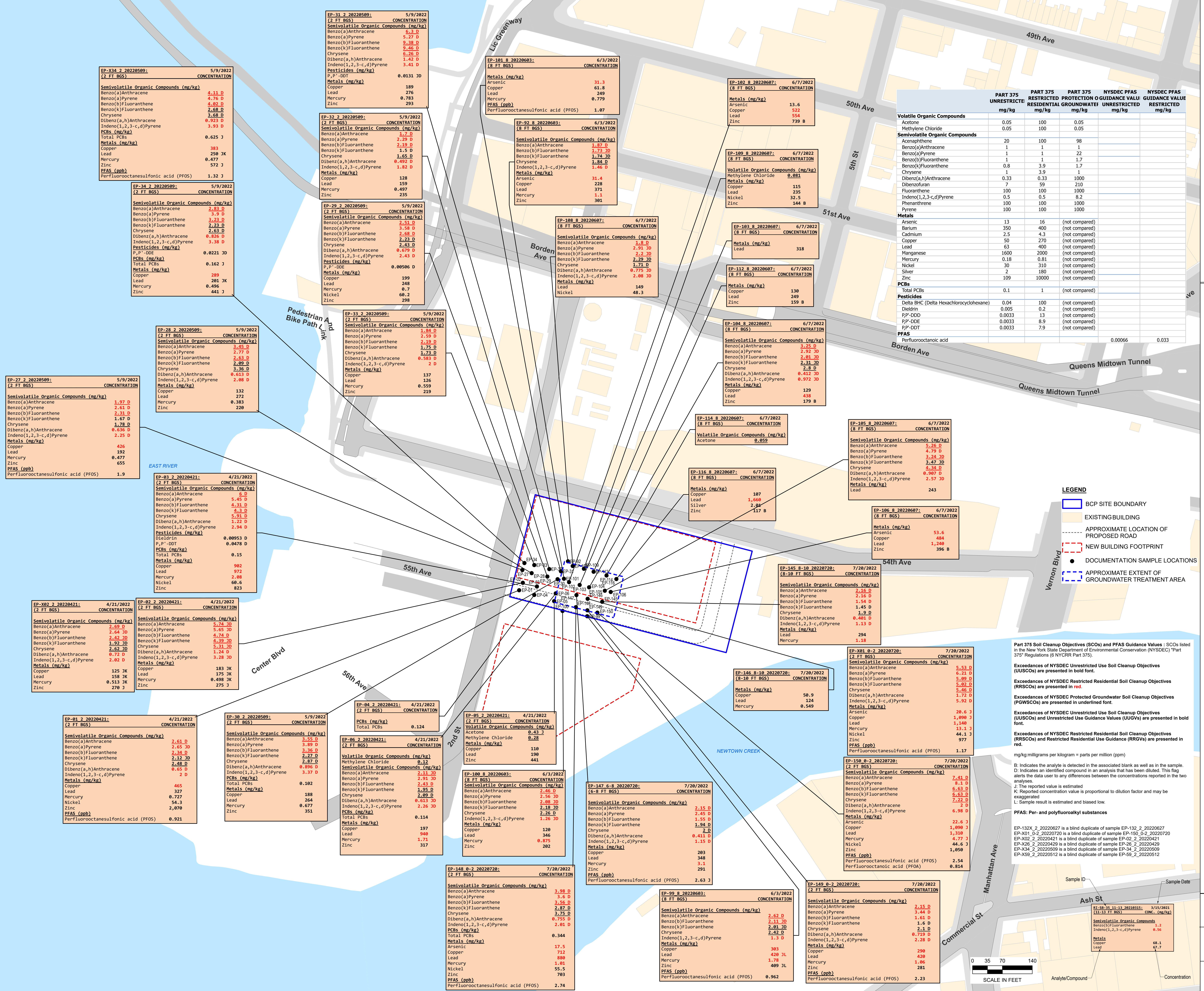




440 Park Avenue South, New York, N.Y. 10016

Newtown Creek Bud Site - North Block
2-21 Malt Drive, Long Island City, New York

SW Section including Groundwater treatment Area Documentation
Sample Concentrations Above UUSCOs, RRSCOs, and PGWSCOs.



- LEGEND**
- BCP SITE BOUNDARY
 - EXISTING BUILDING
 - APPROXIMATE LOCATION OF PROPOSED ROAD
 - NEW BUILDING FOOTPRINT
 - DOCUMENTATION SAMPLE LOCATIONS
 - APPROXIMATE EXTENT OF GROUNDWATER TREATMENT AREA

Part 375 Soil Cleanup Objectives (SCOs) and PFAS Guidance Values: SCOs listed in the New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) are presented in red.

Exceedances of NYSDEC Protected Groundwater Soil Cleanup Objectives (PGWSCOs) are presented in underlined font.

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Unrestricted Use Guidance Values (UUGVs) are presented in bold font.

Exceedances of NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) and Restricted Residential Use Guidance (RRGVs) are presented in red.

mg/kg/milligrams per kilogram = parts per million (ppm)

B: Indicates the analyte is detected in the associated blank as well as in the sample.
D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
J: The reported value is estimated.
K: Reported concentration value is proportional to dilution factor and may be exaggerated.
L: Sample result is estimated and biased low.

PFAS: Per- and polyfluoroalkyl substances

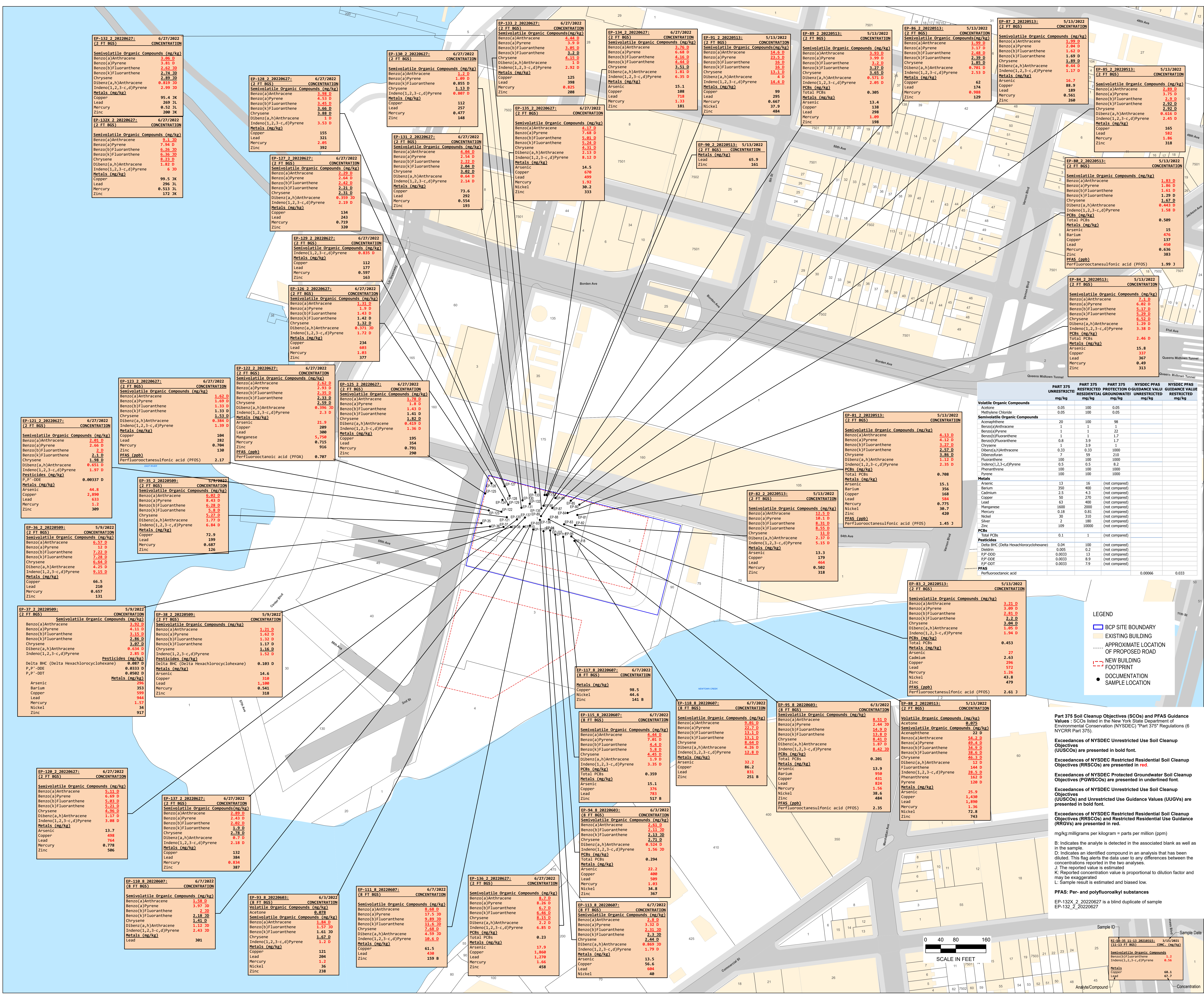
EP-132X_2_20220627 is a blind duplicate of sample EP-132_2_20220627
EP-X01_0-2_20220720 is a blind duplicate of sample EP-150_0-2_20220720
EP-X02_2_20220421 is a blind duplicate of sample EP-02_2_20220421
EP-X26_2_20220429 is a blind duplicate of sample EP-26_2_20220429
EP-X34_2_20220509 is a blind duplicate of sample EP-34_2_20220509
EP-X50_2_20220512 is a blind duplicate of sample EP-50_2_20220512

Sample ID	Sample Date
EP-132X_2_20220627	6/15/2022
EP-X01_0-2_20220720	7/15/2022
EP-X02_2_20220421	4/15/2022
EP-X26_2_20220429	4/15/2022
EP-X34_2_20220509	5/15/2022
EP-X50_2_20220512	5/15/2022



440 Park Avenue South, New York, N.Y. 10016

Newtown Creek Bud Site - North Block 2-21 Malt Drive, Long Island City, New York Above UUSCOs, RRSCOs, and PGWSCOs



Part 375 Unrestricted	Part 375 Restricted	Part 375 Protection or Guidance Value	NYSDEC PFAS Unrestricted	NYSDEC PFAS Restricted
Acetone	0.05	100	0.05	0.05
Methylene Chloride	0.05	100	0.05	0.05
Semivolatile Organic Compounds	20	100	98	98
Benzo(a)Anthracene	1	1	1	1
Benzo(a)Pyrene	1	1	1	1
Benzo(b)Fluoranthene	1	1	1	1
Benzo(k)Fluoranthene	0.8	3.9	1.7	1.7
Chrysene	1	1	1	1
Dibenz(a,h)Anthracene	0.33	0.33	1000	1000
Dibenzofuran	7	59	210	210
Fluoranthene	100	100	1000	1000
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	8.2	8.2
Phenanthrene	100	100	1000	1000
Pyrene	100	100	1000	1000
Metals	13	16	(not compared)	(not compared)
Arsenic	350	400	(not compared)	(not compared)
Barium	2.5	4.3	(not compared)	(not compared)
Cadmium	50	200	(not compared)	(not compared)
Copper	594	63	(not compared)	(not compared)
Lead	63	400	(not compared)	(not compared)
Manganese	1600	2000	(not compared)	(not compared)
Nickel	0.18	0.81	(not compared)	(not compared)
Silver	3	310	(not compared)	(not compared)
Zinc	140	2	(not compared)	(not compared)
PFAS	100	10000	(not compared)	(not compared)
Total PCBs	0.1	1	(not compared)	(not compared)
Pesticides	0.04	100	(not compared)	(not compared)
Delta BHC (Delta Heptachlorocyclohexane)	0.005	0.2	(not compared)	(not compared)
P,P'-DDE	0.0033	13	(not compared)	(not compared)
P,P'-DDT	0.0033	4.9	(not compared)	(not compared)
P,P'-DDD	0.0033	7.9	(not compared)	(not compared)
PFAS	0.00066	0.033	(not compared)	(not compared)
Perfluorooctanoic acid				

Part 375 Soil Cleanup Objectives (SCOs) and PFAS Guidance Values - SCOs listed in the New York State Department of Environmental Conservation (NYSDEC) Part 375 Regulations (6 NYCRR Part 375).

Exceedances of NYSDCE Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDCE Restricted Residential Soil Cleanup Objectives (RRSCOs) are presented in red.

Exceedances of NYSDCE Protected Groundwater Soil Cleanup Objectives (PGWSCOs) are presented in underlined font.

Exceedances of NYSDCE Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Use Guidance (RRRGs) are presented in red.

mg/kg-milligrams per kilogram = parts per million (ppm)

B: Indicates the analyte is detected in the associated blank as well as in the sample.

D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.

†: The reported value is estimated.

K: Reported concentration value is proportional to dilution factor and may be exaggerated.

L: Sample result is estimated and biased low.

PFAS: Per- and polyfluoroalkyl substances

EP-132X, 2-20220627 is a blind duplicate of sample EP-132, 2-20220627



440 Park Avenue South, New York, N.Y. 10016

Newtown Creek Bud Site - North Block
2-21 Malt, Long Island City, New York

NE Section Documentation Sample Concentrations
Above UUSCOs, RRSCOs, and PGWSCOs

DATE

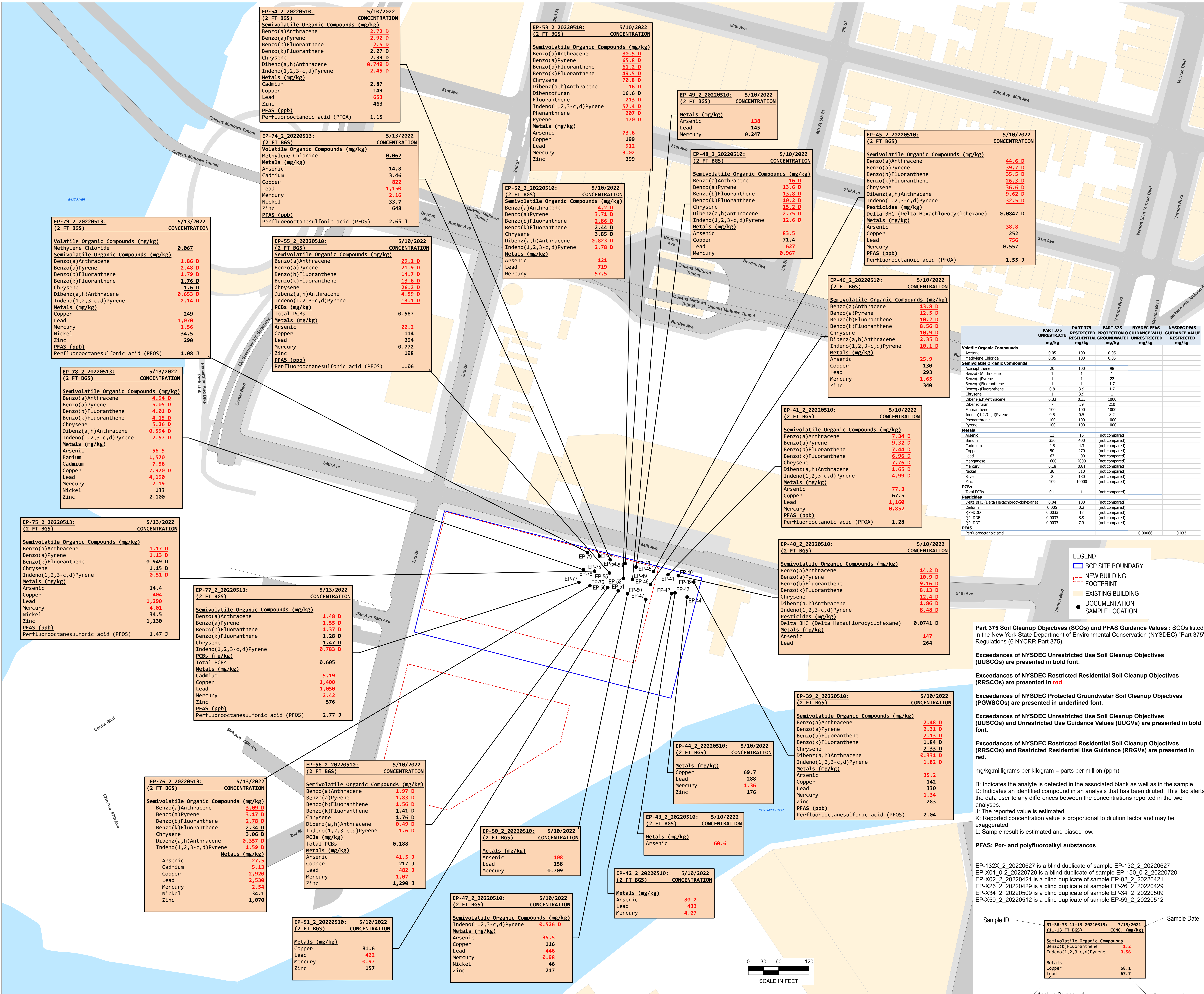
7/6/2023

PROJECT NO.

200112

FIGURE

7C

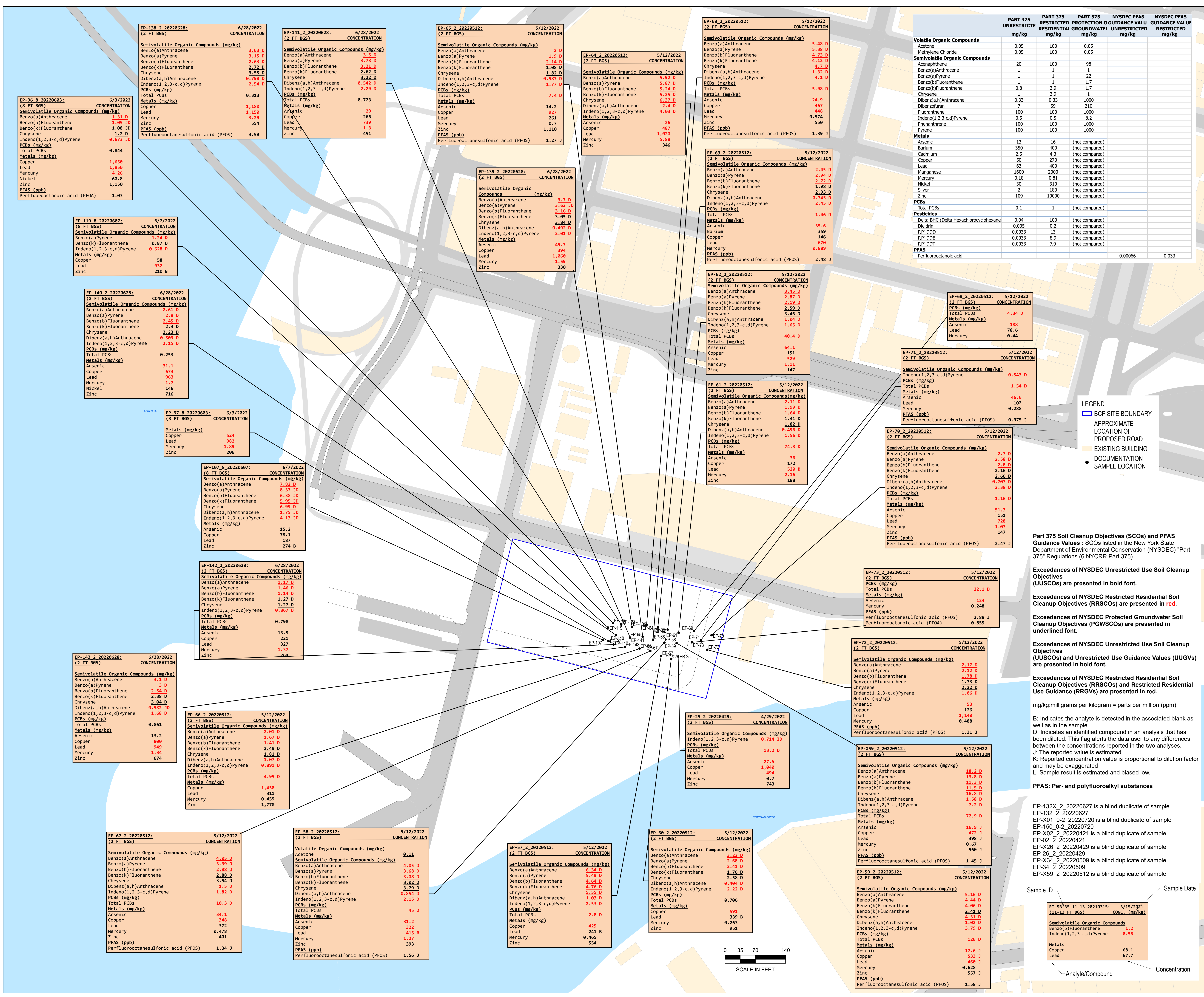




440 Park Avenue South, New York, N.Y. 10016

Newtown Creek Bud Site - North Block
2-21 Malt Drive, Long Island City, New York

SE Section Documentation Sample Concentrations Above UUSCOs, RRSCOs, and PGWSCOs



Part 375 Soil Cleanup Objectives (SCOs) and PFAS Guidance Values : SCOs listed in the New York State Department of Environmental Conservation (NYSDEC) "Part 375" Regulations (6 NYCRR Part 375).

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

Exceedances of NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) are presented in red.

Exceedances of NYSDEC Protected Groundwater Soil Cleanup Objectives (PGWSCOs) are presented in underlined font.

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Unrestricted Use Guidance Values (UUGVs) are presented in bold font.

Exceedances of NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) and Restricted Residential Use Guidance (RRGVs) are presented in red.

mg/kg:milligrams per kilogram = parts per million (ppm)

B: Indicates the analyte is detected in the associated blank as well as in the sample.
D: Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
J: The reported value is estimated.
K: Reported concentration value is proportional to dilution factor and may be exaggerated.
L: Sample result is estimated and biased low.

PFAS: Per- and polyfluoroalkyl substances

EP-132X_2_20220627 is a blind duplicate of sample EP-132_2_20220627
EP-X01_0-2_20220720 is a blind duplicate of sample EP-150_0-2_20220720
EP-X02_2_20220421 is a blind duplicate of sample EP-02_2_20220421
EP-X26_2_20220429 is a blind duplicate of sample EP-26_2_20220429
EP-X34_2_20220509 is a blind duplicate of sample EP-34_2_20220509
EP-X59_2_20220512 is a blind duplicate of sample

Sample ID	Sample Date	Conc. (mg/kg)
RT-SB35 11-13 20100315 (11-13 FT BGS)	3/15/2021	
Semivolatile Organic Compounds		
Benzo(a)Anthracene		1.2
Benzo(a)Pyrene		0.56
Metals (mg/kg)		
Copper		68.1
Lead		67.7
Analyte/Compound		
Concentration		



440 Park Avenue South, New York, N.Y. 10016

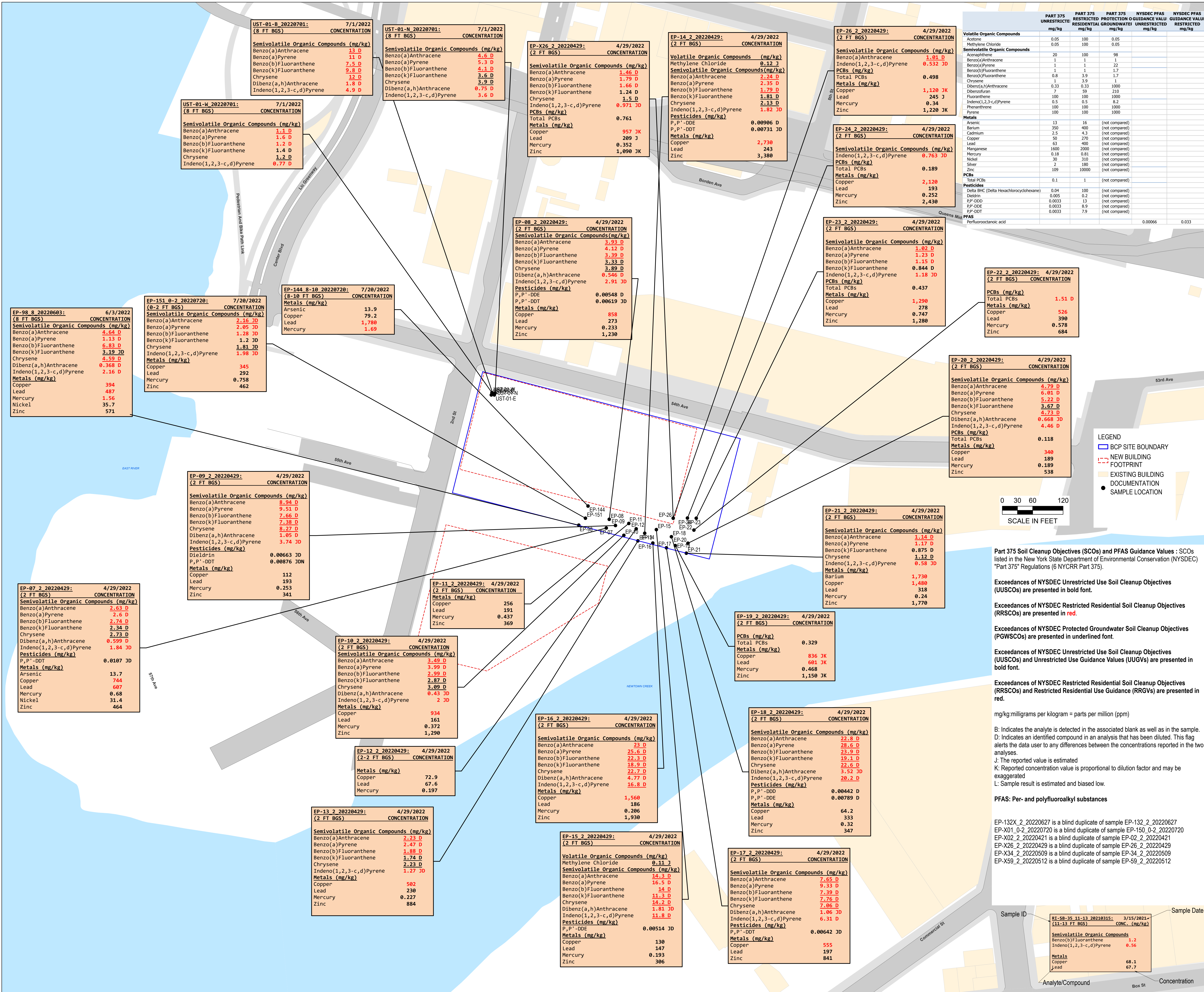
Newtown Creek Bud Site - North Block
2-21 Malt Drive, Long Island City, New York

SSE Section including UST Area Documentation Sample
Concentrations Above UUSCOs, RRSCOs, and PGWSCOs.

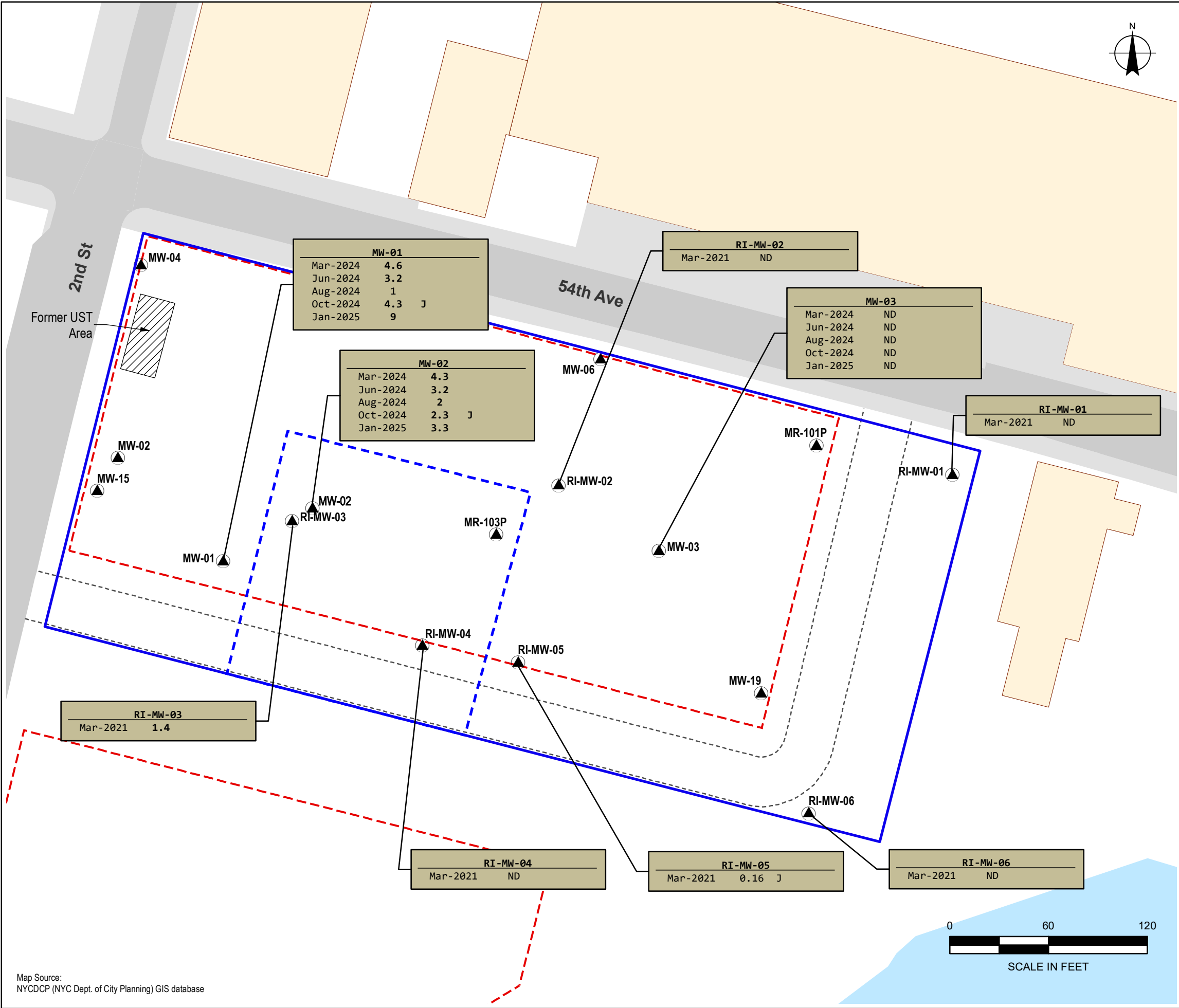
DATE
7/6/2023

PROJECT NO.
200112

FIGURE
7E



© 2025 AKRF W:\Projects\200112 - BUD NORTH\Technical\GIS and Graphics\hazmat\PRR200112 Fig 6 Pre-and Post-Remedial Benzene Concentrations in Groundwater.mxd3/27/2025 3:49:01 PM jszalus



- LEGEND**
- BCP SITE BOUNDARY
 - EXISTING BUILDING
 - NEW BUILDING FOOTPRINT
 - APPROXIMATE LOCATION OF NEW ROAD
 - GROUNDWATER MONITORING WELL LOCATION

NYSDEC TOGS Class GA Ambient Water Quality Standard and Guidance Values (AWQSGVs)

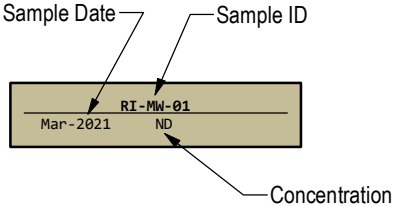
New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) (1.1.1): April 2023

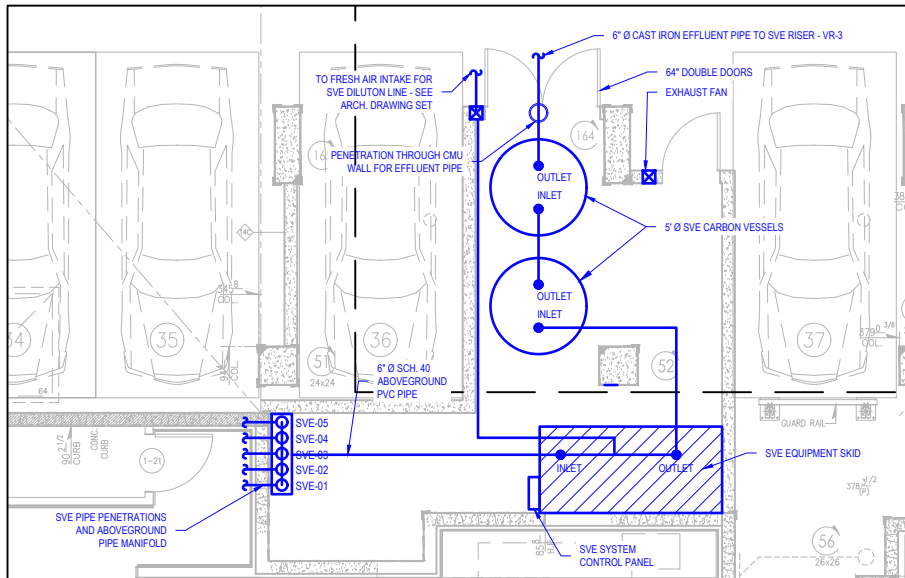
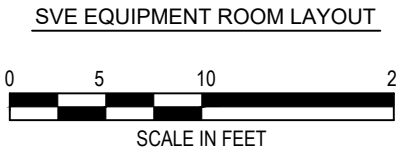
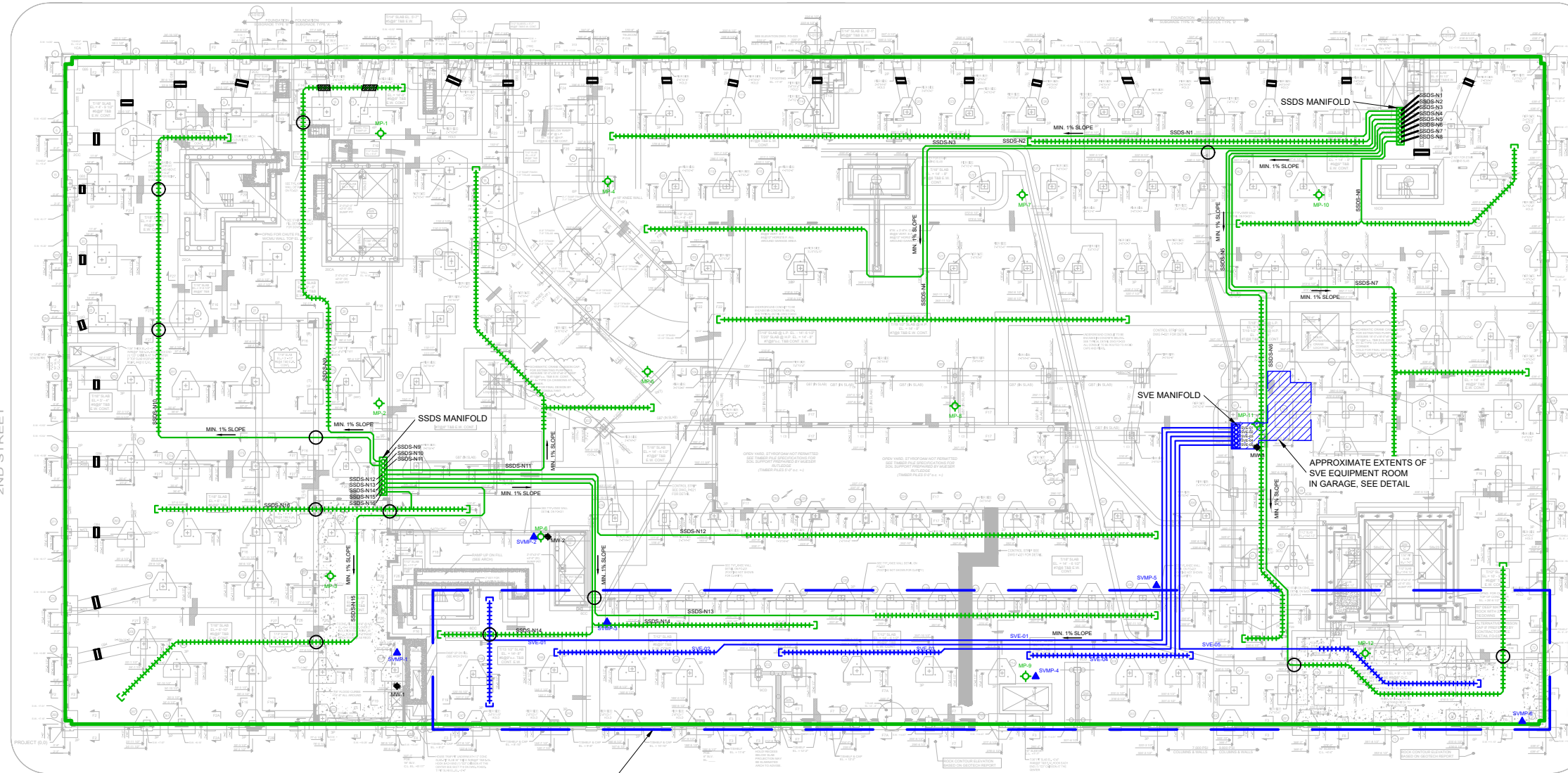
µg/L: micrograms per Liter = parts per billion (ppb)

Only Exceedances of NYSDEC AWQSGVs are shown in bold font.

J: The concentration given is an estimated value.
ND: Not Detected

NYSDEC AWQSGVs ug/l	
Volatile Organic Compounds	
Benzene	1

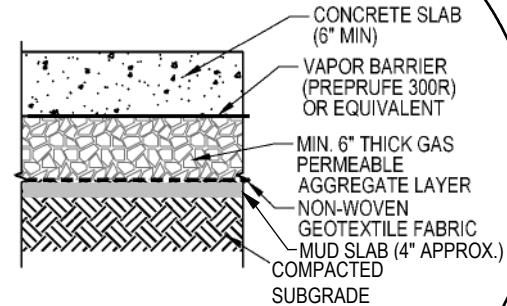
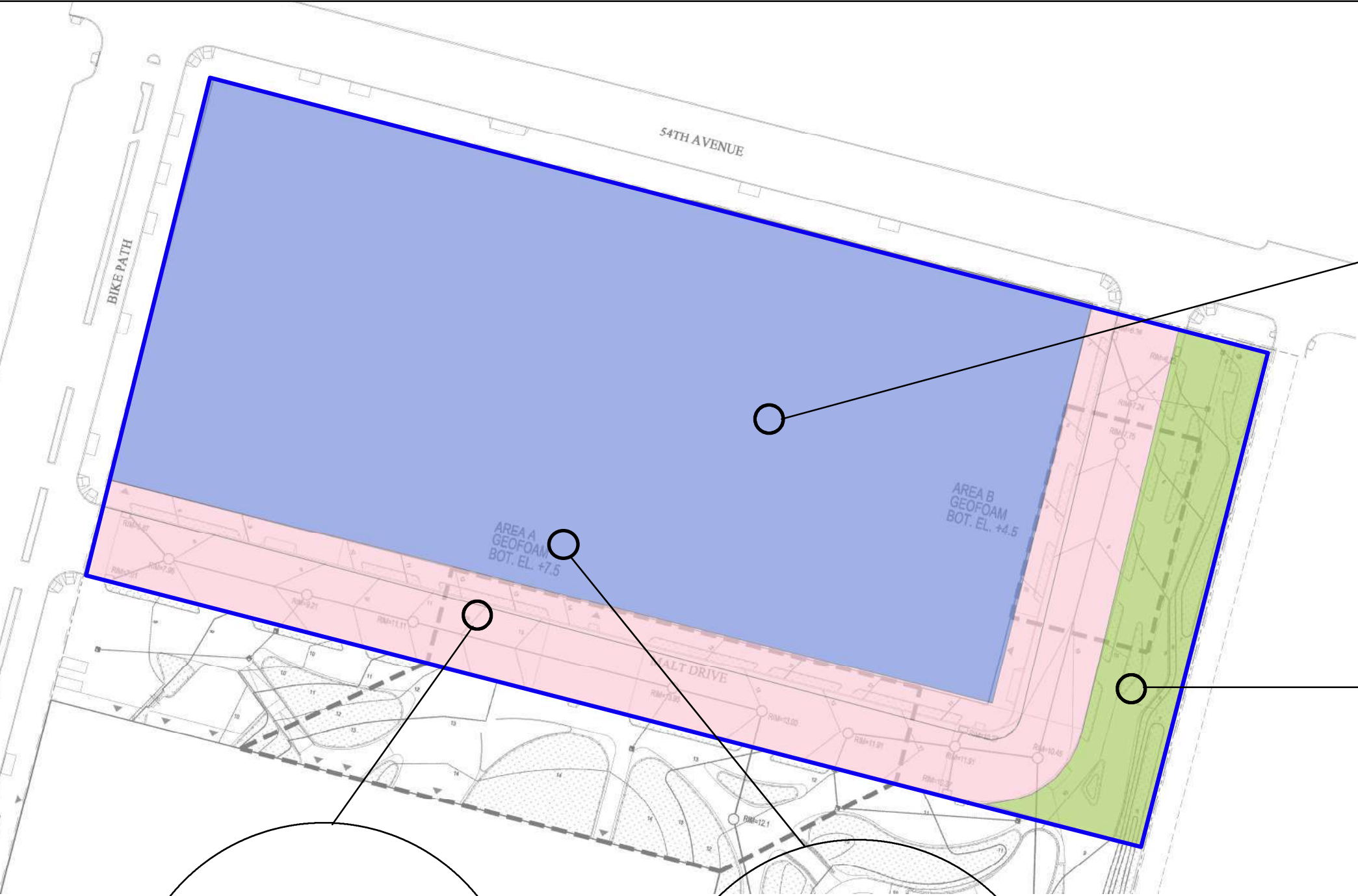




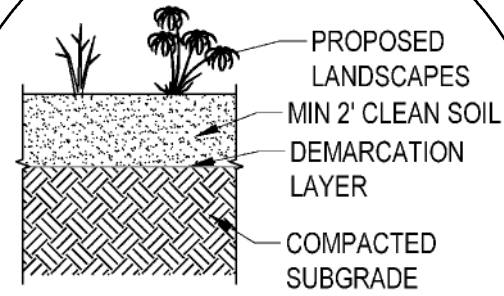
NOTE: PIPE SPACING NOT TO SCALE

© 2021 AKRF W:\Projects\200112 - BUD NORTH\Technical\GIS and Graphics\hazmat\RAW\200112 Fig 12 Composite Cover System.mxd 08/25/2021 4:38:50 PM iszalius

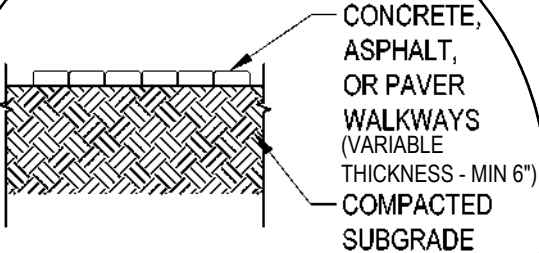
Map Source:
C-104.00 Bud Site Geofoam Plan and Details
SLCE Architects, LLP, June 2021



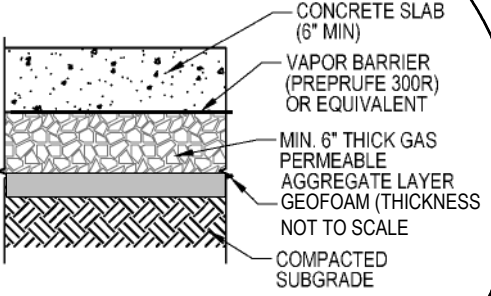
BUILDING SITE COVER (TYP.)
N.T.S.



LANDSCAPED AREA WITH 2' CLEAN FILL BUFFER (TYP.)
N.T.S.



CONCRETE OR ASPHALT PAVERS (TYP.)
N.T.S.



BUILDING SITE COVER (TYP.)
N.T.S.



LEGEND

- BCP SITE BOUNDARY
- BUILDING SLAB
- LANDSCAPED AREAS
- ROADWAY, WALKWAYS, AND SIDEWALKS



Newtown Creek Bud Site - North Block
2-21 Malt Drive - Long Island City, New York

AS-BUILT COMPOSITE COVER SYSTEM



440 Park Avenue South, New York, NY 10016

DATE	7/6/2023
PROJECT NO.	200112
FIGURE	10

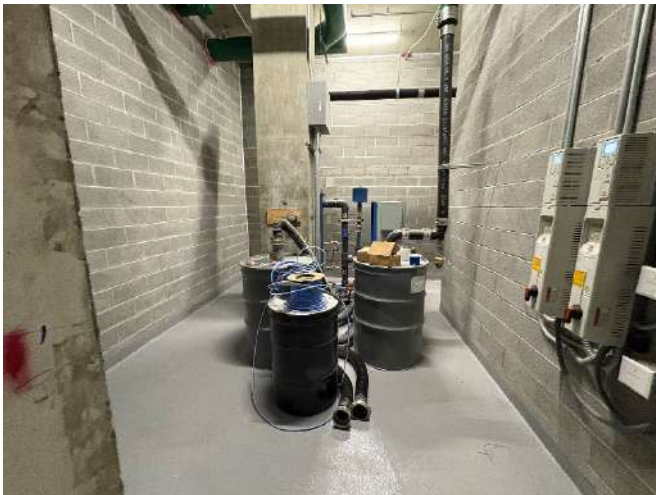
APPENDIX A
PHOTOGRAPHIC LOG



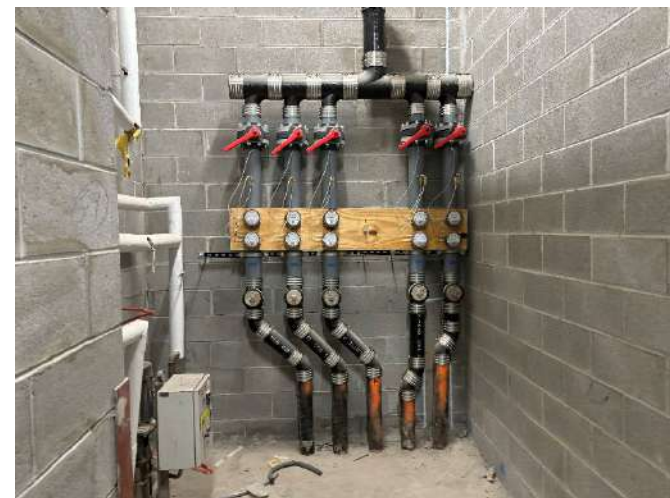
Photograph 1: SVE System startup.



Photograph 2: SVE control panel.



Photograph 3: View of SVE control room



Photograph 2: View of SVE manifold



Photograph 1: View of the western SSDS Manifold in western compactor room.



Photograph 2: View of the eastern SSDS manifold in sewer room.



Photograph 3: View of SSDS and SVE effluent stacks on 6th floor.



Photograph 4: View of SSDS effluent stack on 8th floor.



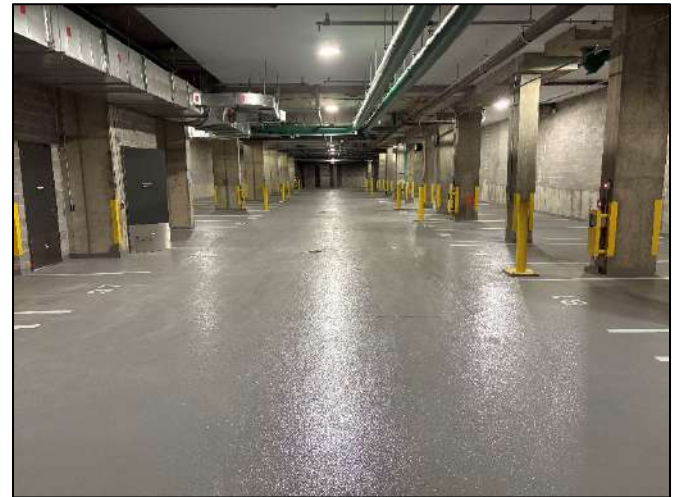
Photograph 1: View of central lobby.



Photograph 2: View of first floor residential hallway.



Photograph 3: View of the first-floor bicycle storage area.



Photograph 4: View of first floor parking lot.

APPENDIX B
SITE-WIDE INSPECTION LOG

Annual Site-Wide Inspection**Overview of Annual Site-Wide Inspection requirements:**

- 1) General Site conditions at time of inspection;
- 2) SMP-related Site Activities being conducted, upcoming SMP-related tasks;
- 3) Institutional Control (IC) Checklist (SMP, FMP maintained on-Site, routine SMP tasks being conducted);
- 4) Evaluation of Engineering Controls; and
- 5) Site Documentation.

1) General Site conditions at time of inspection:

NAME: Michael Bates	DATE: 1/27/2025
TIME: 0900	WEATHER: Sunny, 30-39 F, Wind:7-8 mph SW
Annual Inspection or Emergency Inspection (if emergency, specify nature)?	

Notes: Conducting annual site wide inspection.

2) Are any SMP-related site activities currently being conducted (SSDS and SVE Operation)?☒

YES

☐

NO

Notes/Details:

Both SSDS and SVE systems are operating currently and without issue.

3) IC Checklist (SMP maintained on-Site, routine SMP tasks being conducted)

<i>Copy of SMP on-Site?</i>	☒ YES ☐ NO
<i>Building Use Still Consistent with SMP (Restricted Residential)?</i>	☒ YES ☐ NO

Have the required SMP tasks been conducted during the reporting period?SSDS inspections/monitoring ☒ YES ☐ NOSVE system monitoring ☒ YES ☐ NOQuarterly groundwater monitoring/sampling ☒ YES ☐ NO

Notes: _____
Quarterly groundwater sampling/ monitoring has been conducted successfully in quarters Q1 through Q4 in
2024 and Q1 in 2025.

4) Evaluation of ECs

Environmental Control Type: SVE System	
Is the SVE system currently operating?	☒ YES ☐ NO
If no, describe reason/alarm condition(s):	
Are the various gauges and components of system and the digital control panel clean?	☒ YES ☐ NO
Have any problems occurred that require corrective action to the treatment system components or manifold?	☒ YES ☐ NO
If yes, describe:	

SVE System operations have also been documented using the applicable inspections logs (see attached) that will be provided as part of the PRR.

Notes: _____

SVE system inspections have been conducted and documented once a quarter since system startup in march of 2024.

Environmental Control Type: Active SSDS	
Are there any unusual odors, spills or leaks near the SSDS piping in the basement? If yes, describe source and plans for repair:	☐ YES ☒ NO
Are the above grade components of the SSDS clean?	☒ YES ☐ NO
Is the SSDS blower running? If yes, describe:	☒ YES ☐ NO
Any evidence of SSDS piping tampering, vandalism or damage on the SSDS piping or system components? If yes, describe:	☒ YES ☐ NO

Notes: _____ SSDS is operating successfully and has had no evidence of vandalism.

Environmental Control Type: Composite Cover System	
Is the composite cover system intact?	☒ YES ☐ NO
If there are significant cracks/breaks/openings, describe the size and location: <u>Site cover system is in good condition and is showing no signs or cracks or breaks .</u> _____ _____	
Are corrective actions required to address the condition of the composite cover system?	☐ YES ☒ NO
If yes, describe: _____ _____ _____	

The condition of the composite cover system is being documented in this inspection log, which will be provided as part of the PRR.

Notes: Inspection of the site cover system has been properly documented in this inspection log.

5) Site documentation

Including updates regarding notification to NYSDEC regarding any changes to Site conditions/operations, routine reporting to NYSDEC, etc.).

Notes: Currently all ICs and ECs are operating succesfully and do not require any notification of change to NYSDEC

APPENDIX C
QUARTERLY GROUNDWATER SAMPLING LOGS



Well Sampling Log

Job No: <u>20047</u>					Client: <u>TFCornerstone</u>				Well No: <u>MW-01</u>	
Project Location: <u>BVD North - 2-21 Main Drive</u>					Sampled By: <u>AZB/NJC</u>					
Date:					Sampling Time: <u>15:45</u>					
LEL at surface:										
PID at surface: <u>0.2</u>										
Total Depth: <u>15.70</u> ft. below top of casing					Water Column (WC): 0.00 feet				* = 0.163 * WC for 2" wells	
Depth to Water: <u>8.0</u> ft. below top of casing					Well Volume*: 0.00 gallons				* = 0.653 * WC for 4" wells	
Depth to Product: <u>NA</u> ft. below top of casing					Volume Purged: gallons				* = 1.469 * WC for 6" wells	
Depth to top of screen: <u>9</u> ft. below top of casing					Well Diam.: 2 inches				Target maximum flow rate is 100 ml/min	
Depth to bottom of screen: <u>19</u> ft. below top of casing					Purging Device (pump type):					
Approx. Pump Intake: <u>12-13</u> ft. below top of casing										
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)	
<u>15:05</u>			<u>13.98</u>	<u>2.41</u>	<u>12.01</u>	<u>5.25</u>	<u>-156</u>	<u>~1000</u>	<u>petroleum-like odor</u>	
<u>15:10</u>			<u>13.25</u>	<u>2.26</u>	<u>11.09</u>	<u>5.25</u>	<u>-221</u>	<u>236</u>		
<u>15:15</u>			<u>13.26</u>	<u>2.26</u>	<u>11.13</u>	<u>5.24</u>	<u>-232</u>	<u>216</u>		
<u>15:20</u>			<u>13.36</u>	<u>2.55</u>	<u>10.86</u>	<u>5.28</u>	<u>-303</u>	<u>114</u>		
<u>15:25</u>			<u>13.47</u>	<u>2.71</u>	<u>10.92</u>	<u>5.33</u>	<u>-340</u>	<u>42.8</u>		
<u>15:30</u>			<u>13.59</u>	<u>2.84</u>	<u>10.81</u>	<u>5.43</u>	<u>-339</u>	<u>46.1</u>		
<u>15:35</u>			<u>13.66</u>	<u>2.87</u>	<u>10.82</u>	<u>5.39</u>	<u>-340</u>	<u>40.1</u>		
<u>15:40</u>			<u>13.72</u>	<u>2.91</u>	<u>10.64</u>	<u>5.39</u>	<u>-355</u>	<u>38.7</u>		
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.	
Groundwater samples analyzed for: <u>VOCs TPH</u>										



Well Sampling Log

Job No: 260112					Client: TFCORNER STORE				Well No: MW-02	
Project Location: BVD North - 2-21 Malt Drive					Sampled By: AZB/NJC					
Date: 3/4/24					Sampling Time: 14:15					
LEL at surface:										
PID at surface: 0.100m										
Total Depth: 25.30		ft. below top of casing			Water Column (WC): 10.00		0.00 feet		*= 0.163 * WC for 2" wells	
Depth to Water: 14.70		ft. below top of casing			Well Volume*: 1.728		0.00 gallons		*= 0.653 * WC for 4" wells	
Depth to Product: NA		ft. below top of casing			Volume Purged:		gallons		*= 1.469 * WC for 6" wells	
Depth to top of screen: 13		ft. below top of casing			Well Diam.:		2 inches		Target maximum flow rate is 100 ml/min	
Depth to bottom of screen: 25		ft. below top of casing			Purging Device (pump type):		bladder pump			
Approx. Pump Intake: 18-19		ft. below top of casing								
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)	
13:25			17.03	3.38	12.04	5.18	-274	131	petroleum-like odor	
13:30			16.50	3.30	11.13	5.23	-329	87.5		
13:35			16.32	3.28	11.40	5.26	-327	66.3		
13:40			16.25	3.20	10.85	5.27	-325	53.4		
13:45			16.14	3.13	10.76	5.24	-324	43.5		
13:50			16.14	3.09	10.02	5.29	-320	35.4		
13:55			16.12	3.04	12.00	5.37	-317	27.3		
14:00			16.09	3.02	10.77	5.32	-315	23.7		
14:05			16.08	2.99	10.60	5.31	-311	20.0		
14:10			16.05	2.97	10.57	5.32	-310	18.6		
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.	
Groundwater samples analyzed for: VOCs, TPH										



Client: TF Werhert, Steiner

Project Location:	Bird North 221 Malt Drive

Sampled By: A2B Inc

Date: 3/4/24

Sampling Time: 12:25

LEL at surface:

PID at surface: 117

Total Depth: 19.90

Water Column (WC): 5.65

0.00 feet

*= 0.163 * WC for 2" wells

Depth to Water: 14.25

ft. below top of casing

Well Volume*: 0.92095

0.00 gallons

* = 0.653 * WC for 4" wells

Depth to Product:

ft. below top of casing

Volume Purged:

gallons

$$^* = 1.469 \cdot WC \text{ for } 6'' \text{ wells}$$

Depth to top of screen: 13

ft. below top of casing

Well Diam.:

2 inches

Depth to bottom of screen:

ft. below top of casing

Purging Device (pump type):

Target maximum
flow rate is
100 ml/min

Approx. Pump Intake: 17 - 14

ft. below top of casing

Bladder pump

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
11:35			15.67	4.43	10.68	5.40	-125	101	well located within 6" of temporary pump for Building water
11:40			15.69	4.41	10.64	5.39	-125	91.4	
11:45			15.69	4.39	10.61	5.38	-125	78.7	
11:50			15.70	4.38	10.60	5.37	-126	71.2	
11:55			15.68	4.36	10.56	5.36	-125	66.2	
12:00			15.66	4.34	10.54	5.35	-125	59.4	
12:05			15.64	4.32	10.54	5.35	-124	52.2	
12:10			15.67	4.31	10.43	5.34	-124	47.8	
12:15			15.64	4.30	10.45	5.33	-125	47.0	
12:20			15.68	4.29	10.40	5.32	-125	45.2	
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

Groundwater samples analyzed for:

VGES - TPH



Well Sampling Log

Job No: 100112	Client: TFC	Well No: MW-03
Project Location: BUD NORTH 2-21 MOUNT DRIVE	Sampled By: AZB/NJC	
Date: 3/4/24	Sampling Time:	
LEL at surface:		
PID at surface: 0.0 ppm		

Total Depth: 19.90	ft. below top of casing	Water Column (WC): 5.65	0.00 feet	*= 0.163 * WC for 2" wells
Depth to Water: 14.25	ft. below top of casing	Well Volume*: 0.92095	0.00 gallons	*= 0.653 * WC for 4" wells
Depth to Product: NA	ft. below top of casing	Volume Purged: 10	gallons	*= 1.469 * WC for 6" wells
Depth to top of screen: 13	ft. below top of casing	Well Diam.: 2	inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen: 33	ft. below top of casing	Purging Device (pump type): bladder pump		
Approx. Pump Intake: 17-18	ft. below top of casing			

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
10:20			18.60	4.80	10.80	5.41	-84	~1000	well located within 6" of temporary pump for building water
10:25			18.65	4.75	10.83	5.44	-89	~1000	
10:30			18.69	4.70	10.85	5.45	-95	~1000	
10:35			18.77	4.68	10.79	5.47	-90	~1000	
10:40			18.68	4.66	10.89	5.47	-104	~1000	
10:45			18.67	4.63	10.87	5.47	-109	927	
10:50			18.65	4.59	10.82	5.40	-113	651	
10:55			18.64	4.57	10.87	5.42	-114	535	
11:00			18.65	4.56	10.82	5.41	-116	442	
11:05			18.65	4.54	10.82	5.43	-118	350	
11:10			18.64	4.52	10.80	5.44	-121	270	
11:15			18.65	4.53	10.79	5.43	-122	209	
11:20			18.65	4.52	10.71	5.42	-122	173	
11:25			18.67	4.49	10.71	5.41	-124	141	
11:30			18.66	4.45	10.70	5.41	-125	119	
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

VOCs, TPH



Well Sampling Log

Job No: 200112	Client:	Well No:
Project Location: Bud North	Sampled By: MJ	
Date: 6/12/24	Sampling Time: 1430	
LEL at surface:		
PID at surface: ND		

Total Depth: ~15.00 ft. below top of casing	Water Column (WC): 7.60 feet	*= 0.163 * WC for 2" wells
Depth to Water: ~7.40 ft. below top of casing	Well Volume*: 1.24 gallons	*= 0.653 * WC for 4" wells
Depth to Product: / ft. below top of casing	Volume Purged: ~2.5 gallons	*= 1.469 * WC for 6" wells
Depth to top of screen: / ft. below top of casing	Well Diam.: 2 inches	Target maximum flow rate is 100 ml/min
Depth to bottom of screen: / ft. below top of casing	Purging Device (pump type):	
Approx. Pump Intake: ~12 ft. below top of casing		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1345	7.40	100	16.2	2.02	1.01	6.61	-254	68.0	Begin purging @ 13:40 Slight sulfuric-like odor, no color, no sheen - collect samples after post sampling
1350	7.4	100	16.29	2.00	0.20	6.61	-254	88.1	
1355	8.5	100	16.14	2.08	0.19	6.63	-255	94.1	
1400	8.5	100	16.98	2.36	0.39	6.64	-274	112	
1405	8.5	100	16.50	2.46	0.63	6.64	-284	83.4	
1410	8.5	100	16.35	2.56	0.73	6.64	-287	71.6	
1415		100	16.41	2.66	0.81	6.64	-293	61.3	
1420		100	16.39	2.75	0.89	6.65	-296	49.0	
1450		100	15.97	2.87	1.32	6.82	-329	23.6	
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs - 8260D, TPH-ORD - 8015D, TPH-DRO - 8015D
MS/MSD collected MW-1-20240612 @ 1430



5, the @ back wall of elevator bay.
flush mount doesn't indicate MW 
pattern on it



Well Sampling Log

Job No: 20012					Client:				Well No: MW-3	
Project Location: Bud North					Sampled By: MJ MB					
Date: 6/12/24					Sampling Time: 16:55					
LEL at surface:										
PID at surface: NO										
Total Depth: 19.90			ft. below top of casing		Water Column (WC): 5.9			feet		* = 0.163 * WC for 2" wells
Depth to Water: 14.00			ft. below top of casing		Well Volume*:			gallons		* = 0.653 * WC for 4" wells
Depth to Product: -			ft. below top of casing		Volume Purged:			gallons		* = 1.469 * WC for 6" wells
Depth to top of screen: -			ft. below top of casing		Well Diam.: 2			inches		Target maximum flow rate is 100 ml/min
Depth to bottom of screen: -			ft. below top of casing		Purging Device (pump type):					
Approx. Pump Intake: 17			ft. below top of casing							

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1610	14.0	100	21.63	4.84	0.27	6.77	-73	247	Began purging @ 100 ml/min @ 1540. Water very turbid, so waiting to connect to flow cell, no odors or sheen emptied flow cell @ 1624, 1635, 1640
1615	14.0	100	20.27	4.68	0.00	6.78	-69	281	
1620	14.0	100	19.97	4.48	0.00	6.77	-68	260	
1626	14.0	100	19.88	4.28	0.05	6.76	-49	140	
1630	14.0	100	19.87	4.23	0.00	6.75	-56	112	
1635	14.0	100	19.83	4.17	0.00	6.74	-61	89.3	
1640	14.0	100	19.80	4.13	0.00	6.72	-59	70.0	
1645	14.0	100	19.75	4.10	0.03	6.70	-54	56.5	
1650	14.0	100	19.82	4.09	0.00	6.71	-58	49.8	
1705	-	100	19.81	3.99	0.00	6.71	-07	43.9	
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for: VOCs - 8260D TPH - DRO - 8015D
 TPH - ORO - 8015D MW-3_20240612 @ 1655

Groundwater Monitoring Well Sampling Log

Page X of X

Project Name:	BWD North	Client:		Well ID:	
Project Location:		Sampled By:	MB		
Project Number:	200112	Sampling Date:	8/16/24		MV - 1
Headspace PID:	0.4	Sampling Time:	1255		
Total Well Depth:	16.43 ft. below top of casing	Water Column:	8.53 feet		* = 0.041 * WC for 1" wells
Depth to Water:	8.42 ft. below top of casing	Well Volume:	1.39 gallons		* = 0.163 * WC for 2" wells
Product Thickness:	NA ft. below top of casing	Volume Purged:	.4 gallons		* = 0.653 * WC for 4" wells
Depth to Top of Screen:		Well Diameter:	2 inch		
Depth to Bottom of Screen:		Purging Device:	Bladder Pump		The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.
Approximate Pump Intake:					

1. below top of casing										discontinue purging and collect sample.
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)	
1420	8.78	50	19.87	1.84	1.10	6.12	-192	19.5	slight rotten egg-like odor	
1425	9.23		19.92	1.84	.39	6.11	-225	16.7		
1430	9.72		19.88	1.85	.31	6.20	-252	6.8		
1435	10.26		19.74	1.86	.26	6.25	-275	4.3		
1440	10.31		19.63	1.87	.23	6.27	-291	6.4		
1445	10.47		19.49	1.89	.21	6.31	-297	8.7		
1450	10.61		19.55	1.86	.24	6.29	-301	7.3		
MB										* 6 inches between top of riser & top of case
Sampling										
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU		

* 6 inches
between
Top of riser
& Top of case

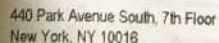


440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Page X of X

Project Name:	Buo North		Client:			Well ID:	MW-2											
Project Location:			Sampled By:	MB														
Project Number:	200112		Sampling Date:	8/16/24														
Headspace PID:	0000 1.6		Sampling Time:	1335														
Total Well Depth:	25.27 ft. below top of casing		Water Column:	11.99	feet	* = 0.041 * WC for 1" wells												
Depth to Water:	13.25 ft. below top of casing		Well Volume*:	1.95	gallons	* = 0.163 * WC for 2" wells												
Product Thickness:	NA ft. below top of casing		Volume Purged:	.4	gallons	* = 0.653 * WC for 4" wells												
Depth to Top of Screen:			Well Diameter:	2 inch		The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.												
Depth to Bottom of Screen:			Purging Device:	Blower Pump														
Approximate Pump Intake:																		
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)									
1300	13.54	50	18.32	3.03	.76	5.97	-392	16.1	slight rotten egg-like odor									
1305	13.55		18.29	2.97	.46	5.95	-394	7.9										
1312	13.57		18.52	2.66	.29	5.92	-385	5.6										
1315	13.63		18.43	2.25	.23	5.90	-365	10.1										
1322	13.64		18.45	2.07	.20	5.96	-358	15.2										
1325	13.62		18.45	2.02	.14	5.96	-357	13.6										
1330	13.63		18.45	2.03	.22	5.98	-357	11.7										
MB									DUP taken									
										Sampling								
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU										



Project Name:		BUD North		Client:				Well ID:	
Project Location:				Sampled By:		MB		MW-3	
Project Number:		20012		Sampling Date:		8/16/24			
Headspace PID:		0.1		Sampling Time:		1215			
Total Well Depth:		~~18.0~~ 19.9 ft. below top of casing		Water Column:		7.15 ft		*= 0.041 * WC for 1" wells	
Depth to Water:		12.75 ft. below top of casing		Well Volume*:		1.17 gallons		*= 0.163 * WC for 2" wells	
Product Thickness:		NA ft. below top of casing		Volume Purged:		.33 gallons		*= 0.653 * WC for 4" wells	
Depth to Top of Screen:		ft. below top of casing		Well Diameter:		2 inch		The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.	
Depth to Bottom of Screen:		ft. below top of casing		Purging Device:		Bladder Pump			
Approximate Pump Intake:		17.5 ft. below top of casing							
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1145	13.76	50	20.25	3.23	1.98	5.91	-72	56.4	MS/MSO Taken
1150	13.78	50	19.78	3.30	2.41	5.88	-87	65.5	
1205	13.80	50	19.61	3.33	2.63	5.89	-94	38.5	
1206	13.82	50	19.61	3.34	2.74	5.88	-98	36.4	
1205	13.83	50	19.51	3.36	2.81	5.87	-94	28.6	
1210	13.86	50	19.54	3.36	2.84	5.88	-100	24.4	
1215									
1220									
Sampling									
Stabilization Criteria:			+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU		

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

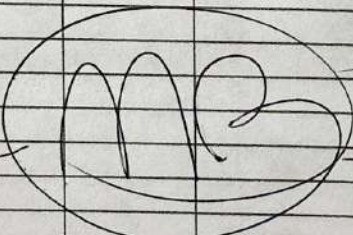
Page X of X

Project Name:		Bud North		Client:		Well ID:			
Project Location:				Sampled By:		MB			
Project Number:		20012		Sampling Date:		10/17/24			
Headspace PID:		03		Sampling Time:		1545			
Total Well Depth:		16.93 ft. below top of casing		Water Column:		7.50 feet			
Depth to Water:		9.42 ft. below top of casing		Well Volume*:		1.22 gallons			
Product Thickness:		NA ft. below top of casing		Volume Purged:		0.70 gallons			
Depth to Top of Screen:				Well Diameter:		2 inches			
Depth to Bottom of Screen:				Purging Device:		Blocker pump			
Approximate Pump Intake:						The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.			
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1505	4.67	75	19.9	1.942	.95	7.89	-62.5	45.91	MS/MSP Collected
1510	10.02	1	19.6	1.919	.48	7.82	-89.3	23.52	
1515	10.45	1	19.6	2.146	.40	7.79	-243.6	23.65	
1520	10.68	1	19.5	2.342	.24	7.83	-288.8	24.34	
1525	10.96	1	19.4	2.434	.22	7.87	-328.5	17.05	
1530	11.03	1	19.3	2.496	.20	7.88	-342.2	14.16	
1535	11.14	1	19.3	2.478	.18	7.88	-348.1	12.73	
1540	11.27	1	19.2	2.485	.18	7.87	-350.4	11.14	
Sampling									
Stabilization Criteria:			+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU		
Notes:		ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - milligrams per liter Groundwater samples analyzed for							

Measurements from top of slab for DTU

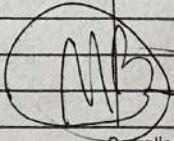
440 Park Avenue South, 7th Floor
New York, NY 10016

Page X of X

Project Name:		But North		Client:				Well ID:	
Project Location:				Sampled By:		MB		NW-02	
Project Number:		2001PL		Sampling Date:		10/18/24			
Headspace PID:		1.0		Sampling Time:		1350			
Total Well Depth:		25.32 ft. below top of casing		Water Column:		1101 feet		* = 0.041 * WC for 1" wells	
Depth to Water:		14.31 ft. below top of casing		Well Volume:		1.80M gallons		* = 0.163 * WC for 2" wells	
Product Thickness:		ft. below top of casing		Volume Purged:		.5 gallons		* = 0.653 * WC for 4" wells	
Depth to Top of Screen:		ft. below top of casing		Well Diameter:		2 inches		The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.	
Depth to Bottom of Screen:		ft. below top of casing		Purging Device:		Bladder Pump			
Approximate Pump Intake:		ft. below top of casing							
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1320	14.41	75	18.8	3.283	1.51	8.73	-159.7	58.47	
1325	14.44	I	18.6	3.126	1.28	9.24	-296.2	30.73	
1330	14.40		18.6	2.894	1.78	9.30	-297.51	26.34	
1335	14.43		18.6	2.710	1.74	9.30	-290.2	22.86	
1340	14.47		18.6	2.578	1.71	9.27	-288.6	14.69	
1345	14.42		18.7	2.561	1.76	9.23	-282.9	25.41	
									DUP Collected - Sulfur Like Smell
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	
Notes:		ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - milligrams per liter Groundwater samples analyzed for							

akrf440 Park Avenue South, 7th Floor
New York, NY 10016**Groundwater Monitoring Well
Sampling Log**

Page X of X

Project Name:	Bud North		Client:	~~Bud North~~		Well ID:	MW-03			
Project Location:			Sampled By:	MB						
Project Number:	200112		Sampling Date:	10/18/24						
Headspace PID:	0.1		Sampling Time:	1240						
Total Well Depth:	19.82 ft. below top of casing		Water Column:	5.86	feet	* = 0.041 * WC for 1" wells				
Depth to Water:	13.96 ft. below top of casing		Well Volume*:	.96	gallons	* = 0.163 * WC for 2" wells				
Product Thickness:			Volume Purged:	.90	gallons	* = 0.653 * WC for 4" wells				
Depth to Top of Screen:			Well Diameter:	2	inches	The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.				
Depth to Bottom of Screen:			Purging Device:	Bladder Pump						
Approximate Pump Intake:	17.5 ft. below top of casing									
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)	
1155	14.05	75	14.5	4.867	1.63	6.65	95.1	198.04		
1200	14.09	75	20.2	4.490	.59	6.60	13.8	130.78		
1205	14.08		20.2	4.289	.52	6.59	-3.6	118.53		
1210	14.07		20.3	4.192	.50	6.56	-13.7	100.54		
1215	14.07		20.3	4.112	.45	6.54	-21.2	80.01		
1220	14.08		20.3	4.070	.42	6.54	-22.8	66.27		
1225	14.06		20.3	4.036	.39	6.54	-31.8	58.72		
1230	14.06		20.3	4.007	.36	6.54	-34.8	47.6		
1235	14.08		20.0	4.006	.37	6.53	-36.2	43.2		
1240	14.07		20.0	4.001	.40	6.54	-39.2	41.3		
 Sampling										
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU		
Notes:	ORP - oxidation reduction potential mV - millivolt NTU - nephelometric turbidity units ml/min - milliliter per minute mS/cm - MilliSiemens per centimeter mg/L - milligrams per liter Groundwater samples analyzed for									

akrf440 Park Avenue South, 7th Floor
New York, NY 10016**Groundwater Monitoring Well
Sampling Log**

Page X of X

Project Name:	Bird North		Client:	Tf Cornerston		Well ID:			
Project Location:	2-21 Matt Drive LIC		Sampled By:	MB/IL					
Project Number:	200112		Sampling Date:	1-22-29				MW-1	
Headspace PID:	2		Sampling Time:	1335					
Total Well Depth:	16.93	ft. below top of casing	Water Column:	0	feet	* = 0.041 * WC for 1" wells			
Depth to Water:	9.77	ft. below top of casing	Well Volume*:	0	gallons	* = 0.163 * WC for 2" wells			
Product Thickness:	NA	ft. below top of casing	Volume Purged:		gallons	* = 0.653 * WC for 4" wells			
Depth to Top of Screen:		ft. below top of casing	Well Diameter:	2	inches				
Depth to Bottom of Screen:		ft. below top of casing	Purging Device:	Bladder pump		The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.			
Approximate Pump Intake:	14.00	ft. below top of casing							

Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1250	10.36	150	17.92	1.99	7.68	6.16	-201	1.1	
1255	10.36	150	16.70	3.01	12.89	6.45	-279	87.6	-MS/MSD taken
1300	10.33	150	16.60	3.01	12.79	6.43	-303	69.6	-sulfur odor
1305	10.60	150	16.66	3.10	12.53	6.37	-319	44.8	
1310	10.60	150	16.64	3.21	12.27	6.42	-325	35.4	
1315	11.11	150	16.61	3.28	11.85	6.42	-332	34.9	
1320	12.35	150	16.62	3.36	11.75	6.42	-337	33.4	✓
1325	12.30	150	16.64	3.39	11.81	6.42	-341	32.5	✓
1330	12.55	150	16.65	3.42	11.63	6.43	-342	32.5	✓
Sampling									
1335	12.54	150	16.64	3.44	11.61	6.42	-342	32.0	
Stabilization Criteria:			+/- 3% mS/cm		+/- 0.3 mg/L		+/- 0.1 pH units		+/- 10 mV
									<50 NTU

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Page X of X

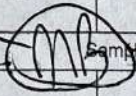
Project Name:		Bud North		Client:		Tf Colne/Strong		Well ID:	
Project Location:		2-21 Malt Drive LIC		Sampled By:		MB/IL		MW-2	
Project Number:		200112		Sampling Date:		1-22-25			
Headspace PID:		08		Sampling Time:		1033			
Total Well Depth:		25.32 ft. below top of casing		Water Column:		0 feet		* = 0.041 * WC for 1" wells	
Depth to Water:		14.72 ft. below top of casing		Well Volume*:		0 gallons		* = 0.163 * WC for 2" wells	
Product Thickness:		— ft. below top of casing		Volume Purged:		gallons		* = 0.653 * WC for 4" wells	
Depth to Top of Screen:		ft. below top of casing		Well Diameter:		2.4 inches		The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.	
Depth to Bottom of Screen:		ft. below top of casing		Purging Device:		Bladder Pump			
Approximate Pump Intake:		23.25 ft. below top of casing							
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
0945	14.72	150	9.56	3.63	24.11	6.85	-285	18.3	- Sulfur smell - duplicate taken
0950	14.72	150	11.02	3.52	24.35	6.67	-330	14.7	
0955	14.72	150	12.35	3.47	21.54	6.57	-352	10.7	
1000	14.66	150	13.76	3.42	19.45	6.56	-365	68.5	
1005	14.61	150	15.65	3.18	16.75	6.53	-370	36.9	
1010	14.60	150	16.16	3.11	15.76	6.49	-374	29.0	
1015	14.60	150	16.32	3.13	15.49	6.76	-375	22.5	
1020	14.60	150	16.31	3.02	14.86	6.48	-377	18.5	
1025	14.59	150	16.25	3.02	15.01	6.44	-378	16.5	
1030	14.59	150	16.50	2.99	15.09	6.41	-380	@ 15.137	
Sampling									
1033	14.58	150	16.50	2.96	@ 14.81491	6.39	-380	11.8	
Stabilization Criteria:				+/- 3% mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	

akrf

440 Park Avenue South, 7th Floor
New York, NY 10016

Groundwater Monitoring Well Sampling Log

Page X of X

Project Name:	Bvd North		Client:	Bvd North / TF Cornerstone		Well ID:				
Project Location:	2-21 Mont Drive, LIC, NY		Sampled By:	MB		MW-03				
Project Number:	200112		Sampling Date:	1/27/24						
Headspace PID:	0.1		Sampling Time:	1420						
Total Well Depth:	19.82 ft. below top of casing		Water Column:	0 feet		* = 0.041 * WC for 1" wells				
Depth to Water:	14.48 ft. below top of casing		Well Volume:	0 gallons		* = 0.163 * WC for 2" wells				
Product Thickness:	NA ft. below top of casing		Volume Purged:	gallons		* = 0.653 * WC for 4" wells				
Depth to Top of Screen:	ft. below top of casing		Well Diameter:	2+ inches		The target maximum flow rate is 100 ml/min. If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.				
Depth to Bottom of Screen:	ft. below top of casing		Purging Device:	Blower Pump						
Approximate Pump Intake:	17.00 ft. below top of casing									
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temperature (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)	
1315	14.54	75	15.85	2.00	7.02	6.15	-60	638		
1320	14.62	75	17.29	1.98	2.15	6.17	-61	522		
1325	14.62	75	17.84	2.06	1.34	6.18	-65	417		
1330	14.64	75	18.17	2.22	1.28	6.18	-71	282		
1335	14.67	75	18.13	2.34	1.33	6.18	-75	210		
1340	14.66	75	18.29	2.48	1.36	6.17	-81	138		
1345	14.66	75	18.34	2.58	1.18	6.16	-85	108		
1350	14.67	75	18.37	2.71	1.11	6.14	-90	82.5		
1355	14.64	75	18.42	2.72	1.19	6.13	-90	79.5		
1400	14.63	75	18.50	2.77	1.15	6.13	-92	65.9		
1405	14.66	75	18.52	2.79	1.04	6.13	-92	55.5		
1410	14.67	75	18.61	2.84	1.06	6.12	-93	45.0		
1415	14.66	75	18.58	2.80	1.04	6.13	-94	42.4		
 Sampling										
Stabilization Criteria:			+/- 3% mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU			

APPENDIX D
LABORATORY ANALYTICAL DATA REPORTS AND DUSRS



ANALYTICAL REPORT

Lab Number:	L2446856
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	BUD NORTH
Project Number:	200112
Report Date:	09/03/24

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), 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: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2446856-01	MW-01_20240816	WATER	LONG ISLAND CITY, NY	08/16/24 14:55	08/16/24
L2446856-02	MW-02_20240816	WATER	LONG ISLAND CITY, NY	08/16/24 13:35	08/16/24
L2446856-03	MW-03_20240816	WATER	LONG ISLAND CITY, NY	08/16/24 12:15	08/16/24
L2446856-04	MW-0X_20240816	WATER	LONG ISLAND CITY, NY	08/16/24 12:00	08/16/24
L2446856-05	FB-01_20240816	WATER	LONG ISLAND CITY, NY	08/16/24 13:30	08/16/24
L2446856-06	TB-01_20240816	WATER	LONG ISLAND CITY, NY	08/16/24 00:00	08/16/24

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

Case Narrative (continued)

Report Submission

September 03, 2024: This final report includes the results of all requested analyses.

August 23, 2024: This is a preliminary report.

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

Sample Receipt

The project number and project location were specified by the client.

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:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 09/03/24

ORGANICS

VOLATILES

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-01
 Client ID: MW-01_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 14:55
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/21/24 20:09
 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	1.0		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: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-01
 Client ID: MW-01_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 14:55
 Date Received: 08/16/24
 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	1.4	J	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	8.4		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-01

Date Collected: 08/16/24 14:55

Client ID: MW-01_20240816

Date Received: 08/16/24

Sample Location: LONG ISLAND CITY, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	101		70-130

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-02
 Client ID: MW-02_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 13:35
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/21/24 20:34
 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	2.0		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: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-02

Date Collected: 08/16/24 13:35

Client ID: MW-02_20240816

Date Received: 08/16/24

Sample Location: LONG ISLAND CITY, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	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	1.6	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	9.6		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-02

Date Collected: 08/16/24 13:35

Client ID: MW-02_20240816

Date Received: 08/16/24

Sample Location: LONG ISLAND CITY, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-03
 Client ID: MW-03_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 12:15
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/21/24 20:59
 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: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-03
 Client ID: MW-03_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 12:15
 Date Received: 08/16/24
 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	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-03

Date Collected: 08/16/24 12:15

Client ID: MW-03_20240816

Date Received: 08/16/24

Sample Location: LONG ISLAND CITY, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-04
 Client ID: MW-0X_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 12:00
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/21/24 21:24
 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	2.0		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: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-04
 Client ID: MW-0X_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 12:00
 Date Received: 08/16/24
 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	1.7	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	10		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-04

Date Collected: 08/16/24 12:00

Client ID: MW-0X_20240816

Date Received: 08/16/24

Sample Location: LONG ISLAND CITY, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	102		70-130

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-05
 Client ID: FB-01_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 13:30
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 08/21/24 10:52

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: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-05
 Client ID: FB-01_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 13:30
 Date Received: 08/16/24
 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	1.5	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	1.1	J	ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-05

Date Collected: 08/16/24 13:30

Client ID: FB-01_20240816

Date Received: 08/16/24

Sample Location: LONG ISLAND CITY, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	107		70-130

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-06
 Client ID: TB-01_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 00:00
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/21/24 11:15
 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: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-06
 Client ID: TB-01_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 00:00
 Date Received: 08/16/24
 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: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

SAMPLE RESULTS

Lab ID: L2446856-06

Date Collected: 08/16/24 00:00

Client ID: TB-01_20240816

Date Received: 08/16/24

Sample Location: LONG ISLAND CITY, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 08/21/24 08:05
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1962337-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/21/24 08:05
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1962337-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/21/24 08:05
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1962337-5					
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	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: BUD NORTH

Lab Number: L2446856

Project Number: 200112

Report Date: 09/03/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 08/21/24 19:43
 Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1962545-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 08/21/24 19:43
 Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1962545-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/21/24 19:43
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1962545-5					
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	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1962337-3 WG1962337-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	100		99		63-132	1		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	97		100		63-130	3		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		95		62-150	15		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	98		110		70-130	12		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	88		95		54-136	8		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	60		63		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1962337-3 WG1962337-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	130		140	Q	55-138	7		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	99		95		70-130	4		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	91		97		63-130	6		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	99		100		70-130	1		20
1,2,3-Trichloropropane	97		100		64-130	3		20
Acrylonitrile	110		130		70-130	17		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	100		94		36-147	6		20
Acetone	95		110		58-148	15		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	150	Q	160	Q	70-130	6		20
4-Methyl-2-pentanone	96		110		59-130	14		20
2-Hexanone	94		100		57-130	6		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1962337-3 WG1962337-4								
Bromochloromethane	99		100		70-130	1		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	99		100		70-130	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		98		70-130	2		20
tert-Butylbenzene	100		97		70-130	3		20
o-Chlorotoluene	100		98		70-130	2		20
p-Chlorotoluene	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	85		89		41-144	5		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	98		97		70-130	1		20
p-Isopropyltoluene	100		97		70-130	3		20
Naphthalene	70		82		70-130	16		20
n-Propylbenzene	100		98		69-130	2		20
1,2,3-Trichlorobenzene	87		99		70-130	13		20
1,2,4-Trichlorobenzene	92		98		70-130	6		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	99		98		70-130	1		20
1,4-Dioxane	74		86		56-162	15		20
p-Diethylbenzene	98		94		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1962337-3 WG1962337-4								
p-Ethyltoluene	100		98		70-130	2		20
1,2,4,5-Tetramethylbenzene	86		86		70-130	0		20
Ethyl ether	90		100		59-134	11		20
trans-1,4-Dichloro-2-butene	120		130		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		117		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	89		90		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1962545-3 WG1962545-4								
Methylene chloride	86		86		70-130	0		20
1,1-Dichloroethane	98		95		70-130	3		20
Chloroform	92		91		70-130	1		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	91		95		70-130	4		20
Dibromochloromethane	84		85		63-130	1		20
1,1,2-Trichloroethane	83		87		70-130	5		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	94		93		75-130	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	94		96		70-130	2		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	91		93		67-130	2		20
trans-1,3-Dichloropropene	78		81		70-130	4		20
cis-1,3-Dichloropropene	94		96		70-130	2		20
1,1-Dichloropropene	95		97		70-130	2		20
Bromoform	86		90		54-136	5		20
1,1,2,2-Tetrachloroethane	81		87		67-130	7		20
Benzene	96		94		70-130	2		20
Toluene	93		92		70-130	1		20
Ethylbenzene	96		95		70-130	1		20
Chloromethane	89		85		64-130	5		20
Bromomethane	54		67		39-139	21	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1962545-3 WG1962545-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	90		64		55-138	34	Q	20
1,1-Dichloroethene	100		98		61-145	2		20
trans-1,2-Dichloroethene	95		93		70-130	2		20
Trichloroethene	90		95		70-130	5		20
1,2-Dichlorobenzene	93		94		70-130	1		20
1,3-Dichlorobenzene	95		95		70-130	0		20
1,4-Dichlorobenzene	94		94		70-130	0		20
Methyl tert butyl ether	87		95		63-130	9		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	94		91		70-130	3		20
Dibromomethane	94		94		70-130	0		20
1,2,3-Trichloropropane	83		90		64-130	8		20
Acrylonitrile	96		98		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	81		74		36-147	9		20
Acetone	96		100		58-148	4		20
Carbon disulfide	99		95		51-130	4		20
2-Butanone	89		91		63-138	2		20
Vinyl acetate	82		89		70-130	8		20
4-Methyl-2-pentanone	84		89		59-130	6		20
2-Hexanone	81		89		57-130	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1962545-3 WG1962545-4								
Bromochloromethane	97		97		70-130	0		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	90		92		70-130	2		20
1,3-Dichloropropane	88		91		70-130	3		20
1,1,1,2-Tetrachloroethane	94		94		64-130	0		20
Bromobenzene	92		95		70-130	3		20
n-Butylbenzene	91		92		53-136	1		20
sec-Butylbenzene	93		93		70-130	0		20
tert-Butylbenzene	98		99		70-130	1		20
o-Chlorotoluene	90		92		70-130	2		20
p-Chlorotoluene	88		89		70-130	1		20
1,2-Dibromo-3-chloropropane	85		88		41-144	3		20
Hexachlorobutadiene	94		95		63-130	1		20
Isopropylbenzene	97		97		70-130	0		20
p-Isopropyltoluene	94		94		70-130	0		20
Naphthalene	85		91		70-130	7		20
n-Propylbenzene	94		95		69-130	1		20
1,2,3-Trichlorobenzene	94		100		70-130	6		20
1,2,4-Trichlorobenzene	93		97		70-130	4		20
1,3,5-Trimethylbenzene	93		93		64-130	0		20
1,2,4-Trimethylbenzene	84		93		70-130	10		20
1,4-Dioxane	108		104		56-162	4		20
p-Diethylbenzene	92		93		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1962545-3 WG1962545-4								
p-Ethyltoluene	94		94		70-130	0		20
1,2,4,5-Tetramethylbenzene	85		88		70-130	3		20
Ethyl ether	89		92		59-134	3		20
trans-1,4-Dichloro-2-butene	89		93		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	99		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

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): 01-04 QC Batch ID: WG1962545-6 WG1962545-7 QC Sample: L2446856-03 Client ID: MW-03_20240816												
Methylene chloride	ND	10	8.8	88		8.8	88		70-130	0		20
1,1-Dichloroethane	ND	10	9.8	98		9.8	98		70-130	0		20
Chloroform	ND	10	9.5	95		9.3	93		70-130	2		20
Carbon tetrachloride	ND	10	11	110		10	100		63-132	10		20
1,2-Dichloropropane	ND	10	9.9	99		10	100		70-130	1		20
Dibromochloromethane	ND	10	8.8	88		8.7	87		63-130	1		20
1,1,2-Trichloroethane	ND	10	9.4	94		9.0	90		70-130	4		20
Tetrachloroethene	ND	10	11	110		10	100		70-130	10		20
Chlorobenzene	ND	10	9.6	96		9.3	93		75-130	3		20
Trichlorofluoromethane	ND	10	10	100		9.9	99		62-150	1		20
1,2-Dichloroethane	ND	10	10	100		9.6	96		70-130	4		20
1,1,1-Trichloroethane	ND	10	10	100		9.9	99		67-130	1		20
Bromodichloromethane	ND	10	9.7	97		9.5	95		67-130	2		20
trans-1,3-Dichloropropene	ND	10	8.2	82		8.1	81		70-130	1		20
cis-1,3-Dichloropropene	ND	10	9.6	96		9.3	93		70-130	3		20
1,1-Dichloropropene	ND	10	10	100		9.9	99		70-130	1		20
Bromoform	ND	10	9.2	92		9.3	93		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	9.3	93		9.1	91		67-130	2		20
Benzene	ND	10	10	100		9.7	97		70-130	3		20
Toluene	ND	10	9.5	95		9.3	93		70-130	2		20
Ethylbenzene	ND	10	9.8	98		9.4	94		70-130	4		20
Chloromethane	ND	10	8.4	84		8.3	83		64-130	1		20
Bromomethane	ND	10	2.03	20	Q	3.1	31	Q	39-139	43	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

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): 01-04 QC Batch ID: WG1962545-6 WG1962545-7 QC Sample: L2446856-03 Client ID: MW-03_20240816												
Vinyl chloride	ND	10	10	100		10	100		55-140	0		20
Chloroethane	ND	10	8.1	81		10	100		55-138	21	Q	20
1,1-Dichloroethene	ND	10	10	100		10	100		61-145	0		20
trans-1,2-Dichloroethene	ND	10	9.7	97		9.4	94		70-130	3		20
Trichloroethene	ND	10	9.8	98		9.1	91		70-130	7		20
1,2-Dichlorobenzene	ND	10	9.7	97		9.4	94		70-130	3		20
1,3-Dichlorobenzene	ND	10	9.7	97		9.3	93		70-130	4		20
1,4-Dichlorobenzene	ND	10	9.5	95		9.1	91		70-130	4		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	20	100		19	95		70-130	5		20
o-Xylene	ND	20	20	100		19	95		70-130	5		20
cis-1,2-Dichloroethene	ND	10	9.6	96		9.3	93		70-130	3		20
Dibromomethane	ND	10	9.7	97		9.4	94		70-130	3		20
1,2,3-Trichloropropane	ND	10	9.7	97		9.4	94		64-130	3		20
Acrylonitrile	ND	10	11	110		10	100		70-130	10		20
Styrene	ND	20	20	100		19	95		70-130	5		20
Dichlorodifluoromethane	ND	10	7.5	75		7.1	71		36-147	5		20
Acetone	1.8J	10	12	120		12	120		58-148	0		20
Carbon disulfide	ND	10	10	100		9.8	98		51-130	2		20
2-Butanone	ND	10	10	100		9.5	95		63-138	5		20
Vinyl acetate	ND	10	9.3	93		8.8	88		70-130	6		20
4-Methyl-2-pentanone	ND	10	10	100		10	100		59-130	0		20
2-Hexanone	ND	10	10	100		9.6	96		57-130	4		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

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): 01-04 QC Batch ID: WG1962545-6 WG1962545-7 QC Sample: L2446856-03 Client ID: MW-03_20240816												
Bromochloromethane	ND	10	10	100		9.5	95		70-130	5		20
2,2-Dichloropropane	ND	10	8.4	84		8.2	82		63-133	2		20
1,2-Dibromoethane	ND	10	9.7	97		9.4	94		70-130	3		20
1,3-Dichloropropane	ND	10	9.8	98		9.5	95		70-130	3		20
1,1,1,2-Tetrachloroethane	ND	10	9.6	96		9.4	94		64-130	2		20
Bromobenzene	ND	10	9.7	97		9.3	93		70-130	4		20
n-Butylbenzene	ND	10	9.4	94		8.8	88		53-136	7		20
sec-Butylbenzene	ND	10	9.6	96		8.9	89		70-130	8		20
tert-Butylbenzene	ND	10	10	100		9.6	96		70-130	4		20
o-Chlorotoluene	ND	10	9.0	90		8.6	86		70-130	5		20
p-Chlorotoluene	ND	10	9.2	92		8.8	88		70-130	4		20
1,2-Dibromo-3-chloropropane	ND	10	9.2	92		9.1	91		41-144	1		20
Hexachlorobutadiene	ND	10	9.3	93		8.7	87		63-130	7		20
Isopropylbenzene	ND	10	10	100		9.5	95		70-130	5		20
p-Isopropyltoluene	ND	10	9.6	96		9.0	90		70-130	6		20
Naphthalene	ND	10	9.9	99		9.6	96		70-130	3		20
n-Propylbenzene	ND	10	9.7	97		9.2	92		69-130	5		20
1,2,3-Trichlorobenzene	ND	10	10	100		9.9	99		70-130	1		20
1,2,4-Trichlorobenzene	ND	10	10	100		9.6	96		70-130	4		20
1,3,5-Trimethylbenzene	ND	10	9.8	98		9.2	92		64-130	6		20
1,2,4-Trimethylbenzene	ND	10	9.7	97		9.3	93		70-130	4		20
1,4-Dioxane	ND	500	540	108		420	84		56-162	25	Q	20
p-Diethylbenzene	ND	10	9.5	95		8.8	88		70-130	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

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): 01-04 QC Batch ID: WG1962545-6 WG1962545-7 QC Sample: L2446856-03 Client ID: MW-03_20240816												
p-Ethyltoluene	ND	10	9.7	97		9.2	92		70-130	5		20
1,2,4,5-Tetramethylbenzene	ND	10	9.3	93		8.8	88		70-130	6		20
Ethyl ether	ND	10	10	100		9.6	96		59-134	4		20
trans-1,4-Dichloro-2-butene	ND	10	9.2	92		8.8	88		70-130	4		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	96		97		70-130
Toluene-d8	96		96		70-130

PETROLEUM HYDROCARBONS

Project Name: BUD NORTH**Lab Number:** L2446856**Project Number:** 200112**Report Date:** 09/03/24**SAMPLE RESULTS**

Lab ID: L2446856-01
 Client ID: MW-01_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 14:55
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/26/24 22:53
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 08/23/24 14:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	90.6		ug/l	33.0	27.7	1
DRO (C10-C28)	115		ug/l	30.0	19.0	1
ORO (C28-C40)	5.01	J	ug/l	11.0	2.74	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	61		50-130
d50-Tetracosane	62		50-130

Project Name: BUD NORTH**Lab Number:** L2446856**Project Number:** 200112**Report Date:** 09/03/24**SAMPLE RESULTS**

Lab ID: L2446856-02
 Client ID: MW-02_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 13:35
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/27/24 00:17
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 08/23/24 14:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	306		ug/l	32.0	26.9	1
DRO (C10-C28)	303		ug/l	29.1	18.4	1
ORO (C28-C40)	27.7		ug/l	10.7	2.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	69		50-130
d50-Tetracosane	71		50-130

Project Name: BUD NORTH**Lab Number:** L2446856**Project Number:** 200112**Report Date:** 09/03/24**SAMPLE RESULTS**

Lab ID: L2446856-03
 Client ID: MW-03_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 12:15
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/27/24 01:41
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 08/23/24 14:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	32.0	26.9	1
DRO (C10-C28)	70.7		ug/l	29.1	18.4	1
ORO (C28-C40)	ND		ug/l	10.7	2.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		50-130
d50-Tetracosane	78		50-130

Project Name: BUD NORTH**Lab Number:** L2446856**Project Number:** 200112**Report Date:** 09/03/24**SAMPLE RESULTS**

Lab ID: L2446856-04
 Client ID: MW-0X_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 12:00
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/27/24 05:53
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 08/23/24 14:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	209		ug/l	32.4	27.2	1
DRO (C10-C28)	237		ug/l	29.4	18.6	1
ORO (C28-C40)	7.41	J	ug/l	10.8	2.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	63		50-130
d50-Tetracosane	70		50-130

Project Name: BUD NORTH**Lab Number:** L2446856**Project Number:** 200112**Report Date:** 09/03/24**SAMPLE RESULTS**

Lab ID: L2446856-05
 Client ID: FB-01_20240816
 Sample Location: LONG ISLAND CITY, NY

Date Collected: 08/16/24 13:30
 Date Received: 08/16/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 08/27/24 07:17
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 08/23/24 14:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	34.0	28.6	1
DRO (C10-C28)	ND		ug/l	30.9	19.6	1
ORO (C28-C40)	ND		ug/l	11.3	2.82	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	69		50-130
d50-Tetracosane	69		50-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 08/30/24 17:04
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 08/23/24 14:48

Parameter	Result	Qualifier	Units	RL	MDL
Diesel/Other Range Organics by GC-FID - Mansfield Lab for sample(s): 01-05 Batch: WG1963166-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	33.0	27.7
DRO (C10-C28)	ND		ug/l	30.0	19.0
ORO (C28-C40)	ND		ug/l	11.0	2.74

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		50-130
d50-Tetracosane	68		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Associated sample(s): 01-05 Batch: WG1963166-2 WG1963166-3								
Nonane (C9)	60		67		50-130	11		30
Decane (C10)	67		75		50-130	11		30
Dodecane (C12)	77		81		50-130	5		30
Tetradecane (C14)	83		83		50-130	0		30
Hexadecane (C16)	90		88		50-130	2		30
Octadecane (C18)	94		92		50-130	2		30
Nonadecane (C19)	90		88		50-130	2		30
Eicosane (C20)	92		90		50-130	2		30
Docosane (C22)	88		87		50-130	1		30
Tetracosane (C24)	94		92		50-130	2		30
Hexacosane (C26)	88		86		50-130	2		30
Octacosane (C28)	87		85		50-130	2		30
triacontane (C30)	88		86		50-130	2		30
Hexatriacontane (C36)	79		78		50-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	84		87		50-130
d50-Tetracosane	87		89		50-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2446856

Report Date: 09/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1963166-4 WG1963166-5 QC Sample: L2446856-03 Client ID: MW-03_20240816												
Nonane (C9)	ND	243	53.9	22	Q	141	58		50-150	89	Q	30
Decane (C10)	ND	243	83.1	34	Q	169	70		50-150	68	Q	30
Dodecane (C12)	ND	243	145	60		192	79		50-150	28		30
Tetradecane (C14)	ND	243	173	71		198	82		50-150	14		30
Hexadecane (C16)	ND	243	188	77		211E	86		50-150	11		30
Octadecane (C18)	3.81	243	196E	79		219E	89		50-150	11		30
Nonadecane (C19)	ND	243	189	78		211E	87		50-150	11		30
Eicosane (C20)	ND	243	189	78		212E	87		50-150	11		30
Docosane (C22)	ND	243	182	75		204E	84		50-150	12		30
Tetracosane (C24)	ND	243	192	79		214E	88		50-150	11		30
Hexacosane (C26)	ND	243	176	72		195E	80		50-150	11		30
Octacosane (C28)	ND	243	167	69		187	77		50-150	12		30
Triacontane (C30)	ND	243	155	64		181	74		50-150	15		30
Hexatriacontane (C36)	ND	243	94.4	39	Q	129	53		50-150	31	Q	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
d50-Tetracosane	82		88		50-130
o-Terphenyl	79		84		50-130

Project Name: BUD NORTH**Lab Number:** L2446856**Project Number:** 200112**Report Date:** 09/03/24**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(*)
L2446856-01A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-01B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-01C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-01D	Amber 1000ml unpreserved	A	7	7	4.4	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-01E	Amber 1000ml unpreserved	A	7	7	4.4	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-02A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-02B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-02C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-02D	Amber 1000ml unpreserved	A	7	7	4.4	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-02E	Amber 1000ml unpreserved	A	7	7	4.4	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-03A	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03A1	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03A2	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03B	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03B1	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03B2	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03C	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03C1	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03C2	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-03D	Amber 1000ml unpreserved	B	7	7	5.0	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-03D1	Amber 1000ml unpreserved	B	7	7	5.0	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-03D2	Amber 1000ml unpreserved	B	7	7	5.0	Y	Absent		A2-TPHDRO/ORO(7)

*Values in parentheses indicate holding time in days

Project Name: BUD NORTH
Project Number: 200112

Serial_No:09032416:51
Lab Number: L2446856
Report Date: 09/03/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2446856-03E	Amber 1000ml unpreserved	B	7	7	5.0	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-03E1	Amber 1000ml unpreserved	B	7	7	5.0	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-03E2	Amber 1000ml unpreserved	B	7	7	5.0	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-04A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-04B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-04C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2446856-04D	Amber 1000ml unpreserved	A	7	7	4.4	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-04E	Amber 1000ml unpreserved	A	7	7	4.4	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-05A	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-05B	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-05C	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-05D	Amber 1000ml unpreserved	B	7	7	5.0	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-05E	Amber 1000ml unpreserved	B	7	7	5.0	Y	Absent		A2-TPHDRO/ORO(7)
L2446856-06A	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)
L2446856-06B	Vial HCl preserved	B	NA		5.0	Y	Absent		NYTCL-8260(14)

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

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: BUD NORTH**Lab Number:** L2446856**Project Number:** 200112**Report Date:** 09/03/24**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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2446856
Report Date: 09/03/24

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.

03:20

September 20, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2446856

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Alpha Analytical for four water samples, one field blank and one trip blank from the Bud North site, which were reported in a single data package under Job No. L2446856 has been completed. The following samples were reported:

MW-01_20240816	MW-02_20240816
MW-03_20240816	MW-0X_20240816
FB-01_20240816	TB-01_20240816

Analyses were performed in accordance with USEPA Methods 8260D (Volatile Organics) and 8015D (Total Petroleum Hydrocarbons). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes

6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

Volatile Organics

- The result for bromomethane in all samples is qualified as estimated (UJ) due to unacceptable percent difference in the initial calibration verification (ICV) standard.
- The results for 1,4-dioxane and naphthalene in FB-01_20240816 and TB-01_20240816 and bromomethane and trans-1,3-dichloropropene in MW-01_20240816, MW-02_20240816, MW-03_20240816 and MW-0X_20240816 are qualified as estimated (J-,UJ) due to low response in the continuing calibration verification (CCV) standard.
- The result for acetone in MW-02_20240816, MW-03_20240816 and MW-0X_20240816 are qualified as not detected (U) at the reporting limit due to field blank contamination. The result for naphthalene in MW-01_20240816, MW-02_20240816 and MW-0X_20240816 are qualified as estimated (J+) and may be biased high to due field blank contamination.
- The results for bromomethane in all samples are qualified as estimated (UJ) due to low recovery in the laboratory control sample (LCS) and LCS duplicate (LCSD) and/or high relative percent difference (RPD) in the LCS/LCSD.
- The result for bromomethane in MW-03_20240816 is qualified as estimated (UJ) due to low recovery in the matrix spike (MS) and/or MS duplicate (MSD).

Total Petroleum Hydrocarbons

- The result for TPH (C9-C44) in MW-03_20240816 is qualified as estimated (J-) due to low recovery of nonane, decane and hexatriacontane in the MSD and high MS/MSD RPD.
- Based on professional judgment, the result for TPH (C9-C44) in samples MW-01_20240816, MW-02_20240816, MW-03_20240816 and MW-0X_20240816 is qualified as estimated (J-) and may be biased low due to inconsistencies in integration procedures.

- The results for TPH (C9-C44) and ORO (C28-C40) in MW-01_20240816, MW-02_20240816, MW-03_20240816 and MW-0X_20240816 are qualified as estimated (J, UJ) due to imprecision in field duplicate samples.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Clean Canister Certification
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Improper edits were observed on the chain of custody (COC). Edits should be made by drawing a single line through the entry error, dated and initialed by the person making the edit.

The electronic data deliverable (EDD) reports the petroleum hydrocarbon results differently than in the data package, as follows:

Analyte	Data Package	EDD
TPH	TPH (C9-C44)	DROD (C9-C40)
ORO	ORO (C28-C40)	C28-C40 PHC

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of August 16, 2024. The samples were received at the laboratory on the same day as sample collection. All samples were received intact and analyzed within method holding time.

A. Volatile Organics

Calibration

Two initial calibrations (ICs) were performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%D$) with the exception of bromomethane (69.6%D). The result for bromomethane in all samples is qualified as estimated (UJ) due to unacceptable percent difference in the ICV.

Two CCVs were analyzed in support of sample analysis. All percent differences (%Ds) are acceptable ($\leq 20\%D$) with the exceptions noted below.

Analyte	%D	Associated Sample	Qualifier Applied
GONZO CCV 08/21/24 06:30			
1,4-Dioxane	26.3	FB-01_20240816	UJ
Naphthalene	30.4	TB-01_20240816	
VOA122 CCV 08/21/24 18:03			
Bromomethane	45.2	MW-01_20240816	UJ
trans-1,3-Dichloropropene	21.5	MW-02_20240816	
		MW-03_20240816	
		MW-0X_20240816	

In all instances, the percent difference represents a decrease in instrument sensitivity. The results for 1,4-dioxane and naphthalene in FB-01_20240816 and TB-01_20240816 and bromomethane and trans-1,3-dichloropropene in MW-01_20240816, MW-02_20240816, MW-03_20240816 and MW-0X_20240816 are qualified as estimated (J-, UJ) due to low

response in the CCV.

Blanks

Acetone (1.5 µg/L) and naphthalene (1.1 µg/L) were detected in FB-01_20240816. The result for acetone in MW-02_20240816, MW-03_20240816 and MW-0X_20240816 are qualified as not detected (U) at the reporting limit due to field blank contamination. The result for naphthalene in MW-01_20240816, MW-02_20240816 and MW-0X_20240816 are qualified as estimated (J+) and may be biased high to due field blank contamination.

Laboratory Control Sample (LCS) / LCS Duplicate (LCS)

One LCS/LCSD pair was analyzed in support of sample analysis. The LCS/LCSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 20. All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
<i>LCS WG1962337-3 & 4</i>				
Bromomethane	60	63	a	FB-01_20240816 TB-01_20240816
<i>LCS WG1962545-3 & 4</i>				
Bromomethane	54	57	21	MW-01_20240816 MW-02_20240816 MW-03_20240816 MW-0X_20240816

a=acceptable

The results for bromomethane in all samples are qualified as estimated (UJ) due to low recovery in the LCS and LCSD and/or high RPD in the LCS/LCSD.

Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-03_20240816. The MS/MSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 30. All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Bromomethane	20	31	43

The result for bromomethane in MW-03_20240816 is qualified as estimated (UJ) due to low recovery in the MS and/or MSD.

Field Duplicates

MW-0X_20240816 was submitted as a field duplicate of MW-02_20240816. Precision between paired samples is acceptable ($RPD \leq 30$) as presented below.

Analyte	MW-02_20240816 (µg/L)	MW-0X_20240816 (µg/L)	RPD
Benzene	2	2	0
Naphthalene	9.6	10	4.1

B. Total Petroleum Hydrocarbons

Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-03_20240816. The MS/MSD is evaluated using control limit of 50-130%R, relative percent difference ($RPD \leq 30$). All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Nonane (C9)	22	a	89
Decane (C10)	34	a	68
Hexatriacontane (C36)	39	a	31

a=acceptable

The result for TPH in MW-03_20240816 is qualified as estimated (J-) due to low recovery of nonane, decane and hexatriacontane in the MSD and high MS/MSD RPD.

Quantitation

The laboratory reported TPH (C9-C44), DRO (C10-C28) and ORO (C28-C40). As such, the concentration of TPH (C9-C44), which has the largest carbon range, should be greater than the sum of DRO and ORO. However, this is not the case for samples MW-01_20240816, MW-02_20240816, MW-03_20240816 and MW-0X_20240816. The laboratory was contacted and replied: *'Each range is calculated by taking the area between the stated alkanes, subtracting the area of the same range found in its instrument blank, then using the resulting area to calculate the amount reported. Each sample uses one instrument blank for all of its ranges, and while the best instrument blank is used, there can be some error if the baseline doesn't exactly match the samples' baseline'*. Based on professional judgment, the result for TPH (C9-C44) in samples MW-01_20240816, MW-02_20240816, MW-03_20240816 and MW-0X_20240816 are qualified as estimated (J-) and may be biased low due to inconsistencies in

integration procedures. It is noted that TPH in sample MW-03_20240816 is reported as not detected (ND), but DRO is reported at a concentration of 70.7 ug/L. The validator replaced the ND result and entered 70.7 ug/L for TPH in the EDD.

Field Duplicates

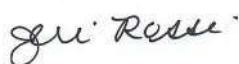
MW-0X_20240816 was submitted as a field duplicate of MW-02_20240816. Precision between paired samples is acceptable ($RPD \leq 30$) as presented below.

Analyte	MW-02_20240816 (µg/L)	MW-0X_20240816 (µg/L)	RPD
TPH (C9-C44)	306	209	28
DRO (C10-C28)	303	237	24
ORO (C28-C40)	27.7	7.41	116

The result for TPH (C9-C44) and ORO (C28-C40) in MW-01_20240816, MW-02_20240816, MW-03_20240816 and MW-0X_20240816 are qualified as estimated (J, UJ) due to imprecision in field duplicate samples.

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)

 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 08/17/24					
		Project Information Project Name: <u>BUD North</u> Project Location: Project # <u>200112</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQulS (1 File) ☐ EQulS (4 File) ☐ Other		☐ Same as Client Info PO #					
Client Information Client: <u>AKRF</u> Address: <u>440 Park Ave S</u> Phone: Fax: Email: <u>JD.ogins@AKRF.com</u>		Project Manager: 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 ☐						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)		Total Bottles	
Other project specific requirements/comments: <u>AKRF EQulS, CAT B, Close SDC</u> Please specify Metals or TAL.						EPA 8260 EPA 8210 EPA 8215 EPA 8216 EPA 8217 EPA 8218 EPA 8219 EPA 8220 EPA 8221 EPA 8222 EPA 8223 EPA 8224 EPA 8225 EPA 8226 EPA 8227 EPA 8228 EPA 8229 EPA 8230 EPA 8231 EPA 8232 EPA 8233 EPA 8234 EPA 8235 EPA 8236 EPA 8237 EPA 8238 EPA 8239 EPA 8240 EPA 8241 EPA 8242 EPA 8243 EPA 8244 EPA 8245 EPA 8246 EPA 8247 EPA 8248 EPA 8249 EPA 8250 EPA 8251 EPA 8252 EPA 8253 EPA 8254 EPA 8255 EPA 8256 EPA 8257 EPA 8258 EPA 8259 EPA 8260 EPA 8261 EPA 8262 EPA 8263 EPA 8264 EPA 8265 EPA 8266 EPA 8267 EPA 8268 EPA 8269 EPA 8270 EPA 8271 EPA 8272 EPA 8273 EPA 8274 EPA 8275 EPA 8276 EPA 8277 EPA 8278 EPA 8279 EPA 8280 EPA 8281 EPA 8282 EPA 8283 EPA 8284 EPA 8285 EPA 8286 EPA 8287 EPA 8288 EPA 8289 EPA 8290 EPA 8291 EPA 8292 EPA 8293 EPA 8294 EPA 8295 EPA 8296 EPA 8297 EPA 8298 EPA 8299 EPA 8300		Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Total Bottles	
46856-01		MW-01-20240816		8/16/24 1455		GW		MB		5	
-02		MW-02-20240816		1335		I		I		5	
-03		MW-03-20240816		1215		I		I		15	
-04		MW-04-20240816		1200		I		I		5	
-05		FB-01-20240816		1330		I		I		5	
-06		TB-01-20240816		-		W		I		2	
Preservative Code:		Container Code:		Westboro: Certification No: MA935		Container Type		Preservative		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.)	
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		P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Mansfield: Certification No: MA015		100mL Vial Amid		NA HCL			
Relinquished By:		Date/Time		Received By:		Date/Time					
Mike Bates		8/16/24 154		WiFi (Pace)		8/16/24 15:4					
WiFi (Pace)		8/16/24 2030		Anthony Green		AUG 16 2024 2120					
Anthony Green		8/17/24 0530		Chase Pace		8/17/24 0110					
Chase Pace				Sgt. J. Smith		8/17/24					

ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2446856
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1962337-3 Analysis Date : 08/21/24 06:30 File ID : VG240821A01
 LCSD Sample ID : WG1962337-4 Analysis Date : 08/21/24 06:53 File ID : VG240821A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	10	100	10	11	110	10	70-130	20
Carbon tetrachloride	10	10	100	10	9.9	99	1	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	9.7	97	10	10	100	3	63-130	20
1,1,2-Trichloroethane	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	10	11	110	10	10	100	10	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	11	110	10	9.5	95	15	62-150	20
1,2-Dichloroethane	10	11	110	10	12	120	9	70-130	20
1,1,1-Trichloroethane	10	10	100	10	10	100	0	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	9.8	98	10	11	110	12	70-130	20
cis-1,3-Dichloropropene	10	9.8	98	10	10	100	2	70-130	20
1,1-Dichloropropene	10	11	110	10	10	100	10	70-130	20
Bromoform	10	8.8	88	10	9.5	95	8	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	11	110	10	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	11	110	10	11	110	0	64-130	20
Bromomethane	10	6.0	60	10	6.3	63	5	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	13	130	10	14	140 Q	7	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2446856
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1962545-3 Analysis Date : 08/21/24 18:03 File ID : V22240821A01
 LCSD Sample ID : WG1962545-4 Analysis Date : 08/21/24 18:28 File ID : V22240821A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	8.6	86	10	8.6	86	0	70-130	20
1,1-Dichloroethane	10	9.8	98	10	9.5	95	3	70-130	20
Chloroform	10	9.2	92	10	9.1	91	1	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	9.1	91	10	9.5	95	4	70-130	20
Dibromochloromethane	10	8.4	84	10	8.5	85	1	63-130	20
1,1,2-Trichloroethane	10	8.3	83	10	8.7	87	5	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	9.4	94	10	9.3	93	1	75-130	20
Trichlorofluoromethane	10	10	100	10	10	100	0	62-150	20
1,2-Dichloroethane	10	9.4	94	10	9.6	96	2	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.8	98	2	67-130	20
Bromodichloromethane	10	9.1	91	10	9.3	93	2	67-130	20
trans-1,3-Dichloropropene	10	7.8	78	10	8.1	81	4	70-130	20
cis-1,3-Dichloropropene	10	9.4	94	10	9.6	96	2	70-130	20
1,1-Dichloropropene	10	9.5	95	10	9.7	97	2	70-130	20
Bromoform	10	8.6	86	10	9.0	90	5	54-136	20
1,1,2,2-Tetrachloroethane	10	8.1	81	10	8.7	87	7	67-130	20
Benzene	10	9.6	96	10	9.4	94	2	70-130	20
Toluene	10	9.3	93	10	9.2	92	1	70-130	20
Ethylbenzene	10	9.6	96	10	9.5	95	1	70-130	20
Chloromethane	10	8.9	89	10	8.5	85	5	64-130	20
Bromomethane	10	5.4	54	10	6.7	67	21 Q	39-139	20
Vinyl chloride	10	11	110	10	10	100	10	55-140	20
Chloroethane	10	9.0	90	10	6.4	64	34 Q	55-138	20
1,1-Dichloroethene	10	10	100	10	9.8	98	2	61-145	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-03_20240816
 Lab Sample ID : L2446856-03
 Matrix Spike : WG1962545-6
 Matrix Spike Dup : WG1962545-7

Lab Number : L2446856
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 08/21/24 20:59
 MS Analysis Date : 08/22/24 04:10
 MSD Analysis Date : 08/22/24 04:35

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit			
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R						
Bromomethane	ND	10	2.0J	20	Q	10	3.1	31	Q	43	Q	39-139	20
Vinyl chloride	ND	10	10	100		10	10	100		0		55-140	20
Chloroethane	ND	10	8.1	81		10	10	100		21	Q	55-138	20
1,1-Dichloroethene	ND	10	10	100		10	10	100		0		61-145	20
trans-1,2-Dichloroethene	ND	10	9.7	97		10	9.4	94		3		70-130	20
Trichloroethene	ND	10	9.8	98		10	9.1	91		7		70-130	20
1,2-Dichlorobenzene	ND	10	9.7	97		10	9.4	94		3		70-130	20
1,3-Dichlorobenzene	ND	10	9.7	97		10	9.3	93		4		70-130	20
1,4-Dichlorobenzene	ND	10	9.5	95		10	9.1	91		4		70-130	20
Methyl tert butyl ether	ND	10	10	100		10	10	100		0		63-130	20
p/m-Xylene	ND	20	20	100		20	19	95		5		70-130	20
o-Xylene	ND	20	20	100		20	19	95		5		70-130	20
cis-1,2-Dichloroethene	ND	10	9.6	96		10	9.3	93		3		70-130	20
Dibromomethane	ND	10	9.7	97		10	9.4	94		3		70-130	20
1,2,3-Trichloropropane	ND	10	9.7	97		10	9.4	94		3		64-130	20
Acrylonitrile	ND	10	11	110		10	10	100		10		70-130	20
Styrene	ND	20	20	100		20	19	95		5		70-130	20
Dichlorodifluoromethane	ND	10	7.5	75		10	7.1	71		5		36-147	20
Acetone	1.8J	10	12	120		10	12	120		0		58-148	20
Carbon disulfide	ND	10	10	100		10	9.8	98		2		51-130	20
2-Butanone	ND	10	10	100		10	9.5	95		5		63-138	20
Vinyl acetate	ND	10	9.3	93		10	8.8	88		6		70-130	20



Results Summary

Form 1

Volatile Organics by GC/MS

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Lab ID : L2446856-05
 Client ID : FB-01_20240816
 Sample Location : LONG ISLAND CITY, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG240821A12
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2446856
 Project Number : 200112
 Date Collected : 08/16/24 13:30
 Date Received : 08/16/24
 Date Analyzed : 08/21/24 10:52
 Dilution Factor : 1
 Analyst : MAG
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.5	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Lab ID : L2446856-05
 Client ID : FB-01_20240816
 Sample Location : LONG ISLAND CITY, NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VG240821A12
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2446856
 Project Number : 200112
 Date Collected : 08/16/24 13:30
 Date Received : 08/16/24
 Date Analyzed : 08/21/24 10:52
 Dilution Factor : 1
 Analyst : MAG
 Instrument ID : GONZO
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	1.1	2.5	0.70	J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U



Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\240712PICAL\
 Data File : VG240712P17.D
 Acq On : 13 Jul 2024 2:55 am
 Operator : GONZO:PID
 Sample : C8260STD10PPB
 Misc : WG1947004,ICAL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
 Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Jul 15 09:43:32 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TP	Dichlorodifluoromethane	0.265	0.246	7.2	84	0.00
3 TP	Chloromethane	0.227	0.260	-14.5	114	0.00
4 TP	Vinyl chloride	0.235	0.243	-3.4	93	0.00
5 TP	Bromomethane	0.125	0.212	-69.6#	172	0.00
6 TP	Chloroethane	0.180	0.196	-8.9	105	0.00
7 TP	Trichlorofluoromethane	0.345	0.344	0.3	101	0.00
8 TP	Ethyl ether	0.115	0.116	-0.9	102	0.00
10 TP	1,1-Dichloroethene	0.189	0.187	1.1	94	0.00
11 TP	Carbon disulfide	0.556	0.499	10.3	87	0.00
12 TP	Freon-113	0.208	0.195	6.2	91	0.00
13 TP	Iodomethane	0.365	0.234	35.9#	67	0.00
14 TP	Acrolein	0.033	0.022	33.3#	63	0.00
15 TP	Methylene chloride	0.224	0.220	1.8	98	0.00
17 TP	Acetone	* 10.000	9.753	2.5	107	0.00
18 TP	trans-1,2-Dichloroethene	0.207	0.205	1.0	94	0.00
19 TP	Methyl acetate	0.115	0.111	3.5	101	0.00
20 TP	Methyl tert-butyl ether	0.636	0.546	14.2	87	0.00
21 TP	tert-Butyl alcohol	0.018	0.018	0.0	102	0.00
22 TP	Diisopropyl ether	0.650	0.658	-1.2	99	0.00
23 TP	1,1-Dichloroethane	0.375	0.385	-2.7	98	0.00
24 TP	Halothane	0.172	0.169	1.7	94	0.00
25 TP	Acrylonitrile	0.058	0.053	8.6	91	0.00
26 TP	Ethyl tert-butyl ether	0.639	0.611	4.4	95	0.00
27 TP	Vinyl acetate	0.347	0.348	-0.3	94	0.00
28 TP	cis-1,2-Dichloroethene	0.238	0.242	-1.7	99	0.00
29 TP	2,2-Dichloropropane	0.313	0.278	11.2	87	0.00
30 TP	Bromochloromethane	0.116	0.113	2.6	94	0.00
31 TP	Cyclohexane	0.356	0.319	10.4	85	0.00
32 TP	Chloroform	0.384	0.402	-4.7	99	0.00
33 TP	Ethyl acetate	0.170	0.168	1.2	104	0.00
34 TP	Carbon tetrachloride	0.311	0.319	-2.6	93	0.00
35 TP	Tetrahydrofuran	0.056	0.054	3.6	93	0.00
36 S	Dibromofluoromethane	0.261	0.258	1.1	99	0.00
37 TP	1,1,1-Trichloroethane	0.354	0.365	-3.1	98	0.00
39 TP	2-Butanone	0.073	0.075	-2.7	104	0.00
40 TP	1,1-Dichloropropene	0.283	0.296	-4.6	100	0.00
41 TP	Benzene	0.857	0.889	-3.7	97	0.00
42 TP	tert-Amyl methyl ether	0.585	0.570	2.6	98	0.00

Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : GONZO
 Lab File ID : VG240821A01
 Sample No : WG1962337-2
 Channel :

Lab Number : L2446856
 Project Number : 200112
 Calibration Date : 08/21/24 06:30
 Init. Calib. Date(s) : 07/12/24 07/13/24
 Init. Calib. Times : 21:20 00:56

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.209	0.232	-	-11	20	107	0
Bromodichloromethane	0.305	0.31	-	-1.6	20	101	0
1,4-Dioxane	0.00213	0.00157*	-	26.3*	20	79	0
cis-1,3-Dichloropropene	0.341	0.335	-	1.8	20	98	0
Chlorobenzene-d5	1	1	-	0	20	101	0
Toluene-d8	1.255	1.261	-	-0.5	20	101	0
Toluene	0.695	0.72	-	-3.6	20	99	0
4-Methyl-2-pentanone	0.077	0.074	-	3.9	20	95	0
Tetrachloroethene	0.305	0.331	-	-8.5	20	103	0
trans-1,3-Dichloropropene	0.38	0.372	-	2.1	20	95	0
Ethyl methacrylate	0.32	0.277	-	13.4	20	88	0
1,1,2-Trichloroethane	0.191	0.203	-	-6.3	20	106	0
Chlorodibromomethane	0.302	0.293	-	3	20	95	0
1,3-Dichloropropane	0.38	0.393	-	-3.4	20	100	0
1,2-Dibromoethane	0.242	0.238	-	1.7	20	98	0
2-Hexanone	0.142	0.133	-	6.3	20	100	0
Chlorobenzene	0.775	0.811	-	-4.6	20	101	0
Ethylbenzene	1.327	1.385	-	-4.4	20	100	0
1,1,1,2-Tetrachloroethane	0.288	0.288	-	0	20	97	0
p/m Xylene	0.525	0.543	-	-3.4	20	98	0
o Xylene	0.508	0.521	-	-2.6	20	98	0
Styrene	0.861	0.887	-	-3	20	99	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Bromoform	0.354	0.312	-	11.9	20	96	0
Isopropylbenzene	2.237	2.19	-	2.1	20	97	0
4-Bromofluorobenzene	0.835	0.743	-	11	20	97	0
Bromobenzene	0.619	0.614	-	0.8	20	102	0
n-Propylbenzene	2.606	2.614	-	-0.3	20	101	0
1,4-Dichlorobutane	0.718	0.776	-	-8.1	20	114	0
1,1,2,2-Tetrachloroethane	0.497	0.506	-	-1.8	20	108	0
4-Ethyltoluene	2.179	2.185	-	-0.3	20	100	0
2-Chlorotoluene	1.598	1.594	-	0.3	20	102	0
1,3,5-Trimethylbenzene	1.929	1.926	-	0.2	20	100	0
1,2,3-Trichloropropane	0.416	0.402	-	3.4	20	102	0
trans-1,4-Dichloro-2-buten	0.114	0.137	-	-20.2*	20	140	0
4-Chlorotoluene	1.645	1.63	-	0.9	20	99	0
tert-Butylbenzene	1.559	1.553	-	0.4	20	98	0
1,2,4-Trimethylbenzene	1.9	1.884	-	0.8	20	98	0
sec-Butylbenzene	2.217	2.212	-	0.2	20	98	0
p-Isopropyltoluene	1.925	1.956	-	-1.6	20	101	0
1,3-Dichlorobenzene	1.136	1.18	-	-3.9	20	104	0
1,4-Dichlorobenzene	1.17	1.214	-	-3.8	20	105	0
p-Diethylbenzene	1.106	1.084	-	2	20	97	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
Project Name : BUD NORTH
Instrument ID : GONZO
Lab File ID : VG240821A01
Sample No : WG1962337-2
Channel :

Lab Number : L2446856
Project Number : 200112
Calibration Date : 08/21/24 06:30
Init. Calib. Date(s) : 07/12/24 07/13/24
Init. Calib. Times : 21:20 00:56

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.522	1.575	-	-3.5	20	103	0
1,2-Dichlorobenzene	1.084	1.11	-	-2.4	20	104	0
1,2,4,5-Tetramethylbenzene	1.655	1.417	-	14.4	20	89	0
1,2-Dibromo-3-chloropropan	0.092	0.078	-	15.2	20	96	0
1,3,5-Trichlorobenzene	0.713	0.744	-	-4.3	20	107	0
Hexachlorobutadiene	0.2	0.219	-	-9.5	20	116	0
1,2,4-Trichlorobenzene	0.618	0.571	-	7.6	20	97	0
Naphthalene	1.387	0.966	-	30.4*	20	77	0
1,2,3-Trichlorobenzene	0.514	0.448	-	12.8	20	92	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : VOA122
 Lab File ID : V22240821A01
 Sample No : WG1962545-2
 Channel :

Lab Number : L2446856
 Project Number : 200112
 Calibration Date : 08/21/24 18:03
 Init. Calib. Date(s) : 07/29/24 07/29/24
 Init. Calib. Times : 13:23 17:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	93	0
Dichlorodifluoromethane	0.197	0.159	-	19.3	20	69	0
Chloromethane	0.263	0.235	-	10.6	20	72	0
Vinyl chloride	0.208	0.224	-	-7.7	20	90	0
Bromomethane	0.084	0.046	-	45.2*	20	56	0
Chloroethane	0.12	0.108	-	10	20	75	0
Trichlorofluoromethane	10	10.508	-	-5.1	20	91	0
Ethyl ether	0.07	0.062	-	11.4	20	79	0
1,1-Dichloroethene	0.138	0.143	-	-3.6	20	87	0
Carbon disulfide	0.454	0.452	-	0.4	20	82	0
Freon-113	0.143	0.155	-	-8.4	20	93	0
Iodomethane	0.182	0.103	-	43.4*	20	56	0
Acrolein	0.024	0.021	-	12.5	20	79	0
Methylene chloride	0.183	0.158	-	13.7	20	77	0
Acetone	0.033	0.032	-	3	20	86	0
trans-1,2-Dichloroethene	0.162	0.154	-	4.9	20	81	0
Methyl acetate	0.086	0.074	-	14	20	81	0
Methyl tert-butyl ether	0.309	0.271	-	12.3	20	79	0
tert-Butyl alcohol	0.00648	0.00664*	-	-2.5	20	92	0
Diisopropyl ether	0.581	0.497	-	14.5	20	78	0
1,1-Dichloroethane	0.331	0.323	-	2.4	20	82	0
Halothane	0.121	0.119	-	1.7	20	83	0
Acrylonitrile	0.046	0.044	-	4.3	20	83	0
Ethyl tert-butyl ether	0.418	0.364	-	12.9	20	82	0
Vinyl acetate	0.348	0.286	-	17.8	20	75	0
cis-1,2-Dichloroethene	0.179	0.168*	-	6.1	20	79	0
2,2-Dichloropropane	0.207	0.217	-	-4.8	20	90	0
Bromochloromethane	0.085	0.082*	-	3.5	20	82	0
Cyclohexane	10	10.585	-	-5.9	20	93	0
Chloroform	0.286	0.263*	-	8	20	81	0
Ethyl acetate	0.112	0.092	-	17.9	20	77	0
Carbon tetrachloride	0.206	0.22	-	-6.8	20	88	0
Tetrahydrofuran	0.037	0.033	-	10.8	20	80	0
Dibromofluoromethane	0.349	0.347	-	0.6	20	90	0
1,1,1-Trichloroethane	0.241	0.241	-	0	20	85	0
2-Butanone	0.047	0.042	-	10.6	20	88	0
1,1-Dichloropropene	0.195	0.185	-	5.1	20	80	0
Benzene	0.633	0.605	-	4.4	20	86	0
tert-Amyl methyl ether	0.202	0.167	-	17.3	20	82	0
1,2-Dichloroethane-d4	0.295	0.302	-	-2.4	20	92	0
1,2-Dichloroethane	0.158	0.149	-	5.7	20	82	0
Methyl cyclohexane	10	10.114	-	-1.1	20	97	0
Trichloroethene	0.135	0.122*	-	9.6	20	79	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : VOA122
 Lab File ID : V22240821A01
 Sample No : WG1962545-2
 Channel :

Lab Number : L2446856
 Project Number : 200112
 Calibration Date : 08/21/24 18:03
 Init. Calib. Date(s) : 07/29/24 07/29/24
 Init. Calib. Times : 13:23 17:04

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.068	0.064	-	5.9	20	84	0
1,2-Dichloropropane	0.141	0.129*	-	8.5	20	78	0
2-Chloroethyl vinyl ether	0.054	0.047	-	13	20	83	0
Bromodichloromethane	0.167	0.152*	-	9	20	81	0
1,4-Dioxane	0.00056	0.0006*	-	-7.1	20	93	0
cis-1,3-Dichloropropene	0.172	0.161*	-	6.4	20	80	0
Chlorobenzene-d5	1	1	-	0	20	93	0
Toluene-d8	1.274	1.233	-	3.2	20	91	0
Toluene	0.412	0.383	-	7	20	84	0
4-Methyl-2-pentanone	0.033	0.028*	-	15.2	20	91	0
Tetrachloroethene	0.162	0.176	-	-8.6	20	97	0
trans-1,3-Dichloropropene	10	7.851	-	21.5*	20	85	0
Ethyl methacrylate	0.133	0.099	-	25.6*	20	74	0
1,1,2-Trichloroethane	0.097	0.08*	-	17.5	20	80	0
Chlorodibromomethane	10	8.373	-	16.3	20	87	0
1,3-Dichloropropane	0.19	0.167	-	12.1	20	83	0
1,2-Dibromoethane	0.108	0.097*	-	10.2	20	85	0
2-Hexanone	0.061	0.05	-	18	20	85	0
Chlorobenzene	0.467	0.436	-	6.6	20	84	0
Ethylbenzene	0.778	0.744	-	4.4	20	81	0
1,1,1,2-Tetrachloroethane	0.148	0.139	-	6.1	20	90	0
p/m Xylene	0.302	0.297	-	1.7	20	83	0
o Xylene	0.285	0.274	-	3.9	20	81	0
Styrene	0.459	0.441	-	3.9	20	82	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	98	0
Bromoform	0.15	0.129	-	14	20	93	0
Isopropylbenzene	1.551	1.5	-	3.3	20	85	0
4-Bromofluorobenzene	0.911	0.848	-	6.9	20	89	0
Bromobenzene	0.365	0.334	-	8.5	20	88	0
n-Propylbenzene	1.802	1.702	-	5.5	20	84	0
1,4-Dichlorobutane	0.472	0.411	-	12.9	20	85	0
1,1,2,2-Tetrachloroethane	0.254	0.206	-	18.9	20	82	0
4-Ethyltoluene	1.469	1.384	-	5.8	20	85	0
2-Chlorotoluene	1.086	0.973	-	10.4	20	82	0
1,3,5-Trimethylbenzene	1.245	1.161	-	6.7	20	84	0
1,2,3-Trichloropropane	0.194	0.161	-	17	20	82	0
trans-1,4-Dichloro-2-buten	0.086	0.077	-	10.5	20	90	0
4-Chlorotoluene	1.121	0.991	-	11.6	20	81	0
tert-Butylbenzene	1.081	1.062	-	1.8	20	88	0
1,2,4-Trimethylbenzene	1.391	1.167	-	16.1	20	75	0
sec-Butylbenzene	10	9.272	-	7.3	20	87	0
p-Isopropyltoluene	10	9.356	-	6.4	20	88	0
1,3-Dichlorobenzene	0.724	0.687	-	5.1	20	89	0

* Value outside of QC limits.



Matrix Spike Sample Summary

Form 3

Petroleum

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-03_20240816
 Lab Sample ID : L2446856-03
 Matrix Spike : WG1963166-4
 Matrix Spike Dup : WG1963166-5

Lab Number : L2446856
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 08/27/24 01:41
 MS Analysis Date : 08/27/24 03:05
 MSD Analysis Date : 08/27/24 04:29

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Nonane (C9)	ND	243	53.9	22 Q	243	141	58	89 Q	50-150	30
Decane (C10)	ND	243	83.1	34 Q	243	169	70	68 Q	50-150	30
Dodecane (C12)	ND	243	145	60	243	192	79	28	50-150	30
Tetradecane (C14)	ND	243	173	71	243	198	82	14	50-150	30
Hexadecane (C16)	ND	243	188	77	243	211E	86	11	50-150	30
Octadecane (C18)	3.81	243	196E	79	243	219E	89	11	50-150	30
Nonadecane (C19)	ND	243	189	78	243	211E	87	11	50-150	30
Eicosane (C20)	ND	243	189	78	243	212E	87	11	50-150	30
Docosane (C22)	ND	243	182	75	243	204E	84	12	50-150	30
Tetracosane (C24)	ND	243	192	79	243	214E	88	11	50-150	30
Hexacosane (C26)	ND	243	176	72	243	195E	80	11	50-150	30
Octacosane (C28)	ND	243	167	69	243	187	77	12	50-150	30
Triacontane (C30)	ND	243	155	64	243	181	74	15	50-150	30
Hexatriacontane (C36)	ND	243	94.4	39 Q	243	129	53	31 Q	50-150	30





ANALYTICAL REPORT

Lab Number:	L2411621
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	BUD NORTH
Project Number:	200112
Report Date:	03/19/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2411621-01	MW-01_20240304	WATER	2-10 54TH AVE QUEENS NY	03/04/24 15:45	03/04/24
L2411621-02	MW-02_20240304	WATER	2-10 54TH AVE QUEENS NY	03/04/24 14:15	03/04/24
L2411621-03	MW-03_20240304	WATER	2-10 54TH AVE QUEENS NY	03/04/24 12:25	03/04/24
L2411621-04	MW-0X_20240304	WATER	2-10 54TH AVE QUEENS NY	03/04/24 12:00	03/04/24
L2411621-05	TB_20240304	WATER	2-10 54TH AVE QUEENS NY	03/04/24 00:00	03/04/24
L2411621-06	FB_20240304	WATER	2-10 54TH AVE QUEENS NY	03/04/24 12:00	03/04/24

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

Case Narrative (continued)

Report Submission

March 19, 2024: This final report includes the results of all requested analyses.

March 08, 2024: This is a preliminary report.

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

Volatile Organics

L2411621-01 and WG1893843-7: The pH was greater than two; however, the sample was analyzed within the method required holding time.

Diesel Range & Oil Range Organics

L2411621-01RE, -02RE, -03RE, -04RE, and -06RE: The sample was re-extracted with the method required holding time exceeded.

The WG1892799-2 LCS recoveries, associated with L2411621-01, -02, -03, -04, and -06, were outside the acceptance criteria for individual target compounds; however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported; however, all results are considered to have a potentially low bias for decane (C10) (29%) and dodecane (C12) (41%).

The WG1892799-3 LCSD recoveries, associated with L2411621-01, -02, -03, -04, and -06, were outside the acceptance criteria for nonane (C9) (26%/49%); however, re-extraction outside of holding time achieved similar results; nonane (C9) (46%). The results of both extractions are reported; however, all results are considered to have a potentially low bias for nonane (C9) (49%).

The WG1892799-2/-3 LCS/LCSD RPD(s), associated with L2411621-0, -02, -03, -04, and -06, are above the acceptance criteria for nonane (C9) (61%), decane (C10) (64%) and dodecane (C12) (51%).

The WG1896155-2/-3 LCS/LCSD RPD(s), associated with L2411621-01RE, -02RE, -03RE, -04RE, and -06RE are above the acceptance criteria for nonane (C9) (47%) and decane (C10) (41%).

The WG1896155-4/-5 MS/MSD recoveries, performed on L2411621-03RE, are outside the acceptance criteria

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

Case Narrative (continued)

for nonane (C9) (0%).

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: 03/19/24

ORGANICS

VOLATILES

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-01
 Client ID: MW-01_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 15:45
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/06/24 12:16
 Analyst: MCM

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	4.6		ug/l	0.50	0.16	1
Toluene	1.0	J	ug/l	2.5	0.70	1
Ethylbenzene	1.2	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	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: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-01

Date Collected: 03/04/24 15:45

Client ID: MW-01_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.2	J	ug/l	2.5	0.70	1
o-Xylene	1.1	J	ug/l	2.5	0.70	1
Xylenes, Total	2.3	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	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	2.2	J	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	32		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-01

Date Collected: 03/04/24 15:45

Client ID: MW-01_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	0.70	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	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-02
 Client ID: MW-02_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 14:15
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/06/24 12:41
 Analyst: MCM

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	4.3		ug/l	0.50	0.16	1
Toluene	0.89	J	ug/l	2.5	0.70	1
Ethylbenzene	1.2	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	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: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-02

Date Collected: 03/04/24 14:15

Client ID: MW-02_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.1	J	ug/l	2.5	0.70	1
o-Xylene	1.3	J	ug/l	2.5	0.70	1
Xylenes, Total	2.4	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	1.5	J	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	25		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-02

Date Collected: 03/04/24 14:15

Client ID: MW-02_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.3	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	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-03
 Client ID: MW-03_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:25
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/06/24 13:06
 Analyst: MCM

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: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-03

Date Collected: 03/04/24 12:25

Client ID: MW-03_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

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

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-03

Date Collected: 03/04/24 12:25

Client ID: MW-03_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-04
 Client ID: MW-0X_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:00
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/06/24 13:30
 Analyst: MCM

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	4.0		ug/l	0.50	0.16	1
Toluene	0.82	J	ug/l	2.5	0.70	1
Ethylbenzene	1.1	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	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: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-04

Date Collected: 03/04/24 12:00

Client ID: MW-0X_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.0	J	ug/l	2.5	0.70	1
o-Xylene	1.2	J	ug/l	2.5	0.70	1
Xylenes, Total	2.2	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	1.2	J	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	23		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-04

Date Collected: 03/04/24 12:00

Client ID: MW-0X_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	1.2	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	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-05
 Client ID: TB_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 00:00
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/06/24 13:55
 Analyst: MCM

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: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-05

Date Collected: 03/04/24 00:00

Client ID: TB_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

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

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-05

Date Collected: 03/04/24 00:00

Client ID: TB_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	109		70-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-06
 Client ID: FB_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:00
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/06/24 14:20
 Analyst: MCM

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: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-06

Date Collected: 03/04/24 12:00

Client ID: FB_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

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

Project Name: BUD NORTH

Lab Number: L2411621

Project Number: 200112

Report Date: 03/19/24

SAMPLE RESULTS

Lab ID: L2411621-06

Date Collected: 03/04/24 12:00

Client ID: FB_20240304

Date Received: 03/04/24

Sample Location: 2-10 54TH AVE QUEENS NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 09:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1893843-5					
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: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/06/24 09:24
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1893843-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 09:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1893843-5					
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	97		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1893843-3 WG1893843-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	97		98		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	80		81		63-130	1		20
1,1,2-Trichloroethane	81		94		70-130	15		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	89		92		67-130	3		20
trans-1,3-Dichloropropene	83		84		70-130	1		20
cis-1,3-Dichloropropene	94		93		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	79		84		54-136	6		20
1,1,2,2-Tetrachloroethane	92		96		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	98		100		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	54		56		39-139	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1893843-3 WG1893843-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	93		94		70-130	1		20
1,2-Dichlorobenzene	93		95		70-130	2		20
1,3-Dichlorobenzene	95		98		70-130	3		20
1,4-Dichlorobenzene	94		97		70-130	3		20
Methyl tert butyl ether	97		98		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	92		93		70-130	1		20
1,2,3-Trichloropropane	91		93		64-130	2		20
Acrylonitrile	110		110		70-130	0		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	100		100		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	90		89		63-138	1		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	92		91		59-130	1		20
2-Hexanone	86		86		57-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1893843-3 WG1893843-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	89		91		70-130	2		20
1,3-Dichloropropane	93		95		70-130	2		20
1,1,1,2-Tetrachloroethane	86		87		64-130	1		20
Bromobenzene	94		100		70-130	6		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	94		99		70-130	5		20
p-Chlorotoluene	93		97		70-130	4		20
1,2-Dibromo-3-chloropropane	74		77		41-144	4		20
Hexachlorobutadiene	120		130		63-130	8		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	98		100		70-130	2		20
Naphthalene	88		90		70-130	2		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20
1,2,4-Trichlorobenzene	100		110		70-130	10		20
1,3,5-Trimethylbenzene	91		94		64-130	3		20
1,2,4-Trimethylbenzene	92		95		70-130	3		20
1,4-Dioxane	104		94		56-162	10		20
p-Diethylbenzene	94		97		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1893843-3 WG1893843-4								
p-Ethyltoluene	96		100		70-130	4		20
1,2,4,5-Tetramethylbenzene	95		98		70-130	3		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	70		73		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		107		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	96		100		70-130
Dibromofluoromethane	105		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

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): 01-06 QC Batch ID: WG1893843-6 WG1893843-7 QC Sample: L2411621-03 Client ID: MW-03_20240304												
Methylene chloride	ND	10	9.8	98		9.7	97		70-130	1		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	9.6	96		9.6	96		70-130	0		20
Carbon tetrachloride	ND	10	11	110		10	100		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	8.0	80		8.1	81		63-130	1		20
1,1,2-Trichloroethane	ND	10	9.2	92		8.4	84		70-130	9		20
Tetrachloroethene	ND	10	11	110		10	100		70-130	10		20
Chlorobenzene	ND	10	9.4	94		9.4	94		75-130	0		20
Trichlorofluoromethane	ND	10	12	120		11	110		62-150	9		20
1,2-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
1,1,1-Trichloroethane	ND	10	11	110		10	100		67-130	10		20
Bromodichloromethane	ND	10	9.2	92		9.1	91		67-130	1		20
trans-1,3-Dichloropropene	ND	10	7.8	78		8.0	80		70-130	3		20
cis-1,3-Dichloropropene	ND	10	8.8	88		8.8	88		70-130	0		20
1,1-Dichloropropene	ND	10	11	110		10	100		70-130	10		20
Bromoform	ND	10	7.9	79		8.0	80		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	9.5	95		9.5	95		67-130	0		20
Benzene	ND	10	10	100		9.3	93		70-130	7		20
Toluene	ND	10	9.8	98		9.7	97		70-130	1		20
Ethylbenzene	ND	10	10	100		9.8	98		70-130	2		20
Chloromethane	ND	10	10	100		10	100		64-130	0		20
Bromomethane	ND	10	2.03	20	Q	2.7	27	Q	39-139	30	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

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): 01-06 QC Batch ID: WG1893843-6 WG1893843-7 QC Sample: L2411621-03 Client ID: MW-03_20240304												
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20
Chloroethane	ND	10	11	110		11	110		55-138	0		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	ND	10	9.5	95		9.3	93		70-130	2		20
1,2-Dichlorobenzene	ND	10	9.4	94		9.3	93		70-130	1		20
1,3-Dichlorobenzene	ND	10	9.5	95		9.2	92		70-130	3		20
1,4-Dichlorobenzene	ND	10	9.2	92		9.2	92		70-130	0		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	20	100		19	95		70-130	5		20
o-Xylene	ND	20	19	95		19	95		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Dibromomethane	ND	10	9.4	94		9.7	97		70-130	3		20
1,2,3-Trichloropropane	ND	10	9.0	90		9.1	91		64-130	1		20
Acrylonitrile	ND	10	11	110		11	110		70-130	0		20
Styrene	ND	20	19	95		19	95		70-130	0		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	ND	10	12	120		12	120		58-148	0		20
Carbon disulfide	ND	10	11	110		11	110		51-130	0		20
2-Butanone	ND	10	9.9	99		10	100		63-138	1		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	9.0	90		9.2	92		57-130	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

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): 01-06 QC Batch ID: WG1893843-6 WG1893843-7 QC Sample: L2411621-03 Client ID: MW-03_20240304												
Bromochloromethane	ND	10	9.9	99		10	100		70-130	1		20
2,2-Dichloropropane	ND	10	9.2	92		8.7	87		63-133	6		20
1,2-Dibromoethane	ND	10	8.7	87		9.0	90		70-130	3		20
1,3-Dichloropropane	ND	10	9.2	92		9.4	94		70-130	2		20
1,1,1,2-Tetrachloroethane	ND	10	8.4	84		8.6	86		64-130	2		20
Bromobenzene	ND	10	9.5	95		9.6	96		70-130	1		20
n-Butylbenzene	ND	10	9.8	98		9.3	93		53-136	5		20
sec-Butylbenzene	ND	10	10	100		9.8	98		70-130	2		20
tert-Butylbenzene	ND	10	9.9	99		9.4	94		70-130	5		20
o-Chlorotoluene	ND	10	11	110		11	110		70-130	0		20
p-Chlorotoluene	ND	10	9.3	93		9.0	90		70-130	3		20
1,2-Dibromo-3-chloropropane	ND	10	8.1	81		7.8	78		41-144	4		20
Hexachlorobutadiene	ND	10	12	120		11	110		63-130	9		20
Isopropylbenzene	ND	10	10	100		9.7	97		70-130	3		20
p-Isopropyltoluene	ND	10	9.5	95		9.2	92		70-130	3		20
Naphthalene	ND	10	9.1	91		9.2	92		70-130	1		20
n-Propylbenzene	ND	10	10	100		9.6	96		69-130	4		20
1,2,3-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,2,4-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3,5-Trimethylbenzene	ND	10	9.0	90		8.7	87		64-130	3		20
1,2,4-Trimethylbenzene	ND	10	9.0	90		8.8	88		70-130	2		20
1,4-Dioxane	ND	500	490	98		480	96		56-162	2		20
p-Diethylbenzene	ND	10	9.1	91		8.8	88		70-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

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): 01-06 QC Batch ID: WG1893843-6 WG1893843-7 QC Sample: L2411621-03 Client ID: MW-03_20240304												
p-Ethyltoluene	ND	10	9.4	94		9.1	91		70-130	3		20
1,2,4,5-Tetramethylbenzene	ND	10	9.5	95		9.2	92		70-130	3		20
Ethyl ether	ND	10	10	100		10	100		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	6.8	68	Q	6.8	68	Q	70-130	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		111		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	105		103		70-130
Toluene-d8	100		101		70-130

PETROLEUM HYDROCARBONS

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-01
 Client ID: MW-01_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 15:45
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/12/24 18:17
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/06/24 10:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	642		ug/l	62.3	10.5	1
DRO (C10-C28)	438		ug/l	56.6	18.1	1
ORO (C28-C40)	144		ug/l	20.8	3.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		50-130
d50-Tetracosane	98		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-01 RE
 Client ID: MW-01_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 15:45
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/16/24 09:10
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/14/24 12:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	404		ug/l	63.5	10.7	1
DRO (C10-C28)	401		ug/l	57.7	18.5	1
ORO (C28-C40)	41.9		ug/l	21.2	3.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		50-130
d50-Tetracosane	94		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-02
 Client ID: MW-02_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 14:15
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/12/24 19:46
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/06/24 10:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	653		ug/l	64.7	10.9	1
DRO (C10-C28)	518		ug/l	58.8	18.8	1
ORO (C28-C40)	104		ug/l	21.6	3.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		50-130
d50-Tetracosane	98		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-02 RE
 Client ID: MW-02_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 14:15
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/16/24 10:38
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/14/24 12:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	435		ug/l	64.7	10.9	1
DRO (C10-C28)	439		ug/l	58.8	18.8	1
ORO (C28-C40)	26.6		ug/l	21.6	3.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		50-130
d50-Tetracosane	94		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-03
 Client ID: MW-03_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:25
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/12/24 21:14
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/06/24 10:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	129		ug/l	62.3	10.5	1
DRO (C10-C28)	116		ug/l	56.6	18.1	1
ORO (C28-C40)	23.5		ug/l	20.8	3.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		50-130
d50-Tetracosane	95		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-03 RE
 Client ID: MW-03_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:25
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/16/24 12:05
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/14/24 12:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	66.6		ug/l	63.5	10.7	1
DRO (C10-C28)	88.2		ug/l	57.7	18.5	1
ORO (C28-C40)	ND		ug/l	21.2	3.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	98		50-130
d50-Tetracosane	97		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-04
 Client ID: MW-0X_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:00
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/13/24 01:40
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/06/24 10:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	402		ug/l	63.5	10.7	1
DRO (C10-C28)	469		ug/l	57.7	18.5	1
ORO (C28-C40)	ND		ug/l	21.2	3.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	97		50-130
d50-Tetracosane	99		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-04 RE
 Client ID: MW-0X_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:00
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/16/24 16:27
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/14/24 12:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	444		ug/l	64.7	10.9	1
DRO (C10-C28)	469		ug/l	58.8	18.8	1
ORO (C28-C40)	23.7		ug/l	21.6	3.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		50-130
d50-Tetracosane	94		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-06
 Client ID: FB_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:00
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/13/24 03:08
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/06/24 10:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	63.5	10.7	1
DRO (C10-C28)	29.5	J	ug/l	57.7	18.5	1
ORO (C28-C40)	ND		ug/l	21.2	3.12	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		50-130
d50-Tetracosane	94		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**SAMPLE RESULTS**

Lab ID: L2411621-06 RE
 Client ID: FB_20240304
 Sample Location: 2-10 54TH AVE QUEENS NY

Date Collected: 03/04/24 12:00
 Date Received: 03/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 03/16/24 17:55
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 03/14/24 12:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	62.3	10.5	1
DRO (C10-C28)	24.7	J	ug/l	56.6	18.1	1
ORO (C28-C40)	ND		ug/l	20.8	3.07	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96		50-130
d50-Tetracosane	95		50-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 03/11/24 20:12
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 03/06/24 10:14

Parameter	Result	Qualifier	Units	RL	MDL
Diesel/Other Range Organics by GC-FID - Mansfield Lab for sample(s): 01-04,06 Batch: WG1892799-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	33.0	5.56
DRO (C10-C28)	11.6	J	ug/l	30.0	9.60
ORO (C28-C40)	ND		ug/l	11.0	1.62

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		50-130
d50-Tetracosane	97		50-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 03/16/24 03:20
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 03/14/24 12:46

Parameter	Result	Qualifier	Units	RL	MDL
Diesel/Other Range Organics by GC-FID - Mansfield Lab for sample(s): 01-04,06 Batch: WG1896155-1					
Total Petroleum Hydrocarbons (C9-C44)	6.13	J	ug/l	33.0	5.56
DRO (C10-C28)	15.2	J	ug/l	30.0	9.60
ORO (C28-C40)	ND		ug/l	11.0	1.62

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		50-130
d50-Tetracosane	93		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Associated sample(s): 01-04,06 Batch: WG1892799-2 WG1892799-3								
Nonane (C9)	26	Q	49	Q	50-130	61	Q	30
Decane (C10)	29	Q	56		50-130	64	Q	30
Dodecane (C12)	41	Q	69		50-130	51	Q	30
Tetradecane (C14)	62		81		50-130	27		30
Hexadecane (C16)	86		95		50-130	10		30
Octadecane (C18)	95		101		50-130	6		30
Nonadecane (C19)	90		95		50-130	5		30
Eicosane (C20)	94		99		50-130	5		30
Docosane (C22)	91		96		50-130	5		30
Tetracosane (C24)	96		101		50-130	5		30
Hexacosane (C26)	94		99		50-130	5		30
Octacosane (C28)	93		98		50-130	5		30
Triacontane (C30)	95		99		50-130	4		30
Hexatriacontane (C36)	85		88		50-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	96		100		50-130
d50-Tetracosane	97		101		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Associated sample(s): 01-04,06 Batch: WG1896155-2 WG1896155-3								
Nonane (C9)	74		46	Q	50-130	47	Q	30
Decane (C10)	83		55		50-130	41	Q	30
Dodecane (C12)	91		67		50-130	30		30
Tetradecane (C14)	92		86		50-130	7		30
Hexadecane (C16)	100		103		50-130	3		30
Octadecane (C18)	105		109		50-130	4		30
Nonadecane (C19)	100		103		50-130	3		30
Eicosane (C20)	101		104		50-130	3		30
Docosane (C22)	99		102		50-130	3		30
Tetracosane (C24)	105		108		50-130	3		30
Hexacosane (C26)	99		102		50-130	3		30
Octacosane (C28)	103		106		50-130	3		30
Triacontane (C30)	100		103		50-130	3		30
Hexatriacontane (C36)	91		94		50-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	98		101		50-130
d50-Tetracosane	97		100		50-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Client ID: MW-03_20240304												
			Associated sample(s): 01-04,06			QC Batch ID: WG1892799-4			WG1892799-5		QC Sample: L2411621-03	
Nonane (C9)	ND	192	134.7538	70		138.7113	74		50-150	3		30
Decane (C10)	ND	192	154.8788	80		159.4434	84		50-150	3		30
Dodecane (C12)	ND	192	172.26923	90		181.80377	96		50-150	5		30
Tetradecane (C14)	ND	192	169.95000	88		182.05660	96		50-150	7		30
Hexadecane (C16)	ND	192	181.9135	94		195.1755	103		50-150	7		30
Octadecane (C18)	ND	192	189.8442	99		203.5642	108		50-150	7		30
Nonadecane (C19)	ND	192	200.2096	104		228.8113	121		50-150	13		30
Eicosane (C20)	ND	192	184.8750	96		197.8509	105		50-150	7		30
Docosane (C22)	ND	192	179.1808	93		191.4755	101		50-150	7		30
Tetracosane (C24)	ND	192	186.6846	97		199.5208	106		50-150	7		30
Hexacosane (C26)	ND	192	183.8404	96		196.6132	104		50-150	7		30
Octacosane (C28)	9.001887	192	187.0058	92		198.8170	101		50-150	6		30
Triacontane (C30)	ND	192	183.8269	96		196.2358	104		50-150	7		30
Hexatriacontane (C36)	ND	192	137.5788	72		154.3038	82		50-150	11		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
d50-Tetracosane	99		108		50-130
o-Terphenyl	94		98		50-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411621

Report Date: 03/19/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Client ID: MW-03_20240304												
Associated sample(s): 01-04,06 QC Batch ID: WG1896155-4 WG1896155-5 QC Sample: L2411621-03												
Nonane (C9)	26.09808	39.2	20.40784	0	Q	16.36923	0	Q	50-150	22		30
Decane (C10)	ND	39.2	23.88431	61		19.12885	50		50-150	22		30
Dodecane (C12)	ND	39.2	28.194118	72		23.315385	61		50-150	19		30
Tetradecane (C14)	ND	39.2	33.827451	86		30.509615	79		50-150	10		30
Hexadecane (C16)	ND	39.2	39.32941	100		38.31538	100		50-150	3		30
Octadecane (C18)	ND	39.2	42.20000	108		41.56538	108		50-150	2		30
Nonadecane (C19)	ND	39.2	39.75490	101		39.18077	102		50-150	1		30
Eicosane (C20)	ND	39.2	40.32941	103		39.79615	103		50-150	1		30
Docosane (C22)	ND	39.2	39.30000	100		38.71923	101		50-150	1		30
Tetracosane (C24)	ND	39.2	41.78235	106		41.31538	107		50-150	1		30
Hexacosane (C26)	ND	39.2	39.34706	100		38.93462	101		50-150	1		30
Octacosane (C28)	2.026923	39.2	40.86863	99		40.44231	100		50-150	1		30
Triacontane (C30)	ND	39.2	39.83529	102		39.42500	102		50-150	1		30
Hexatriacontane (C36)	ND	39.2	36.13333	92		35.80577	93		50-150	1		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
d50-Tetracosane	98		98		50-130
o-Terphenyl	99		99		50-130

Project Name: BUD NORTH**Lab Number:** L2411621**Project Number:** 200112**Report Date:** 03/19/24**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(*)
L2411621-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-01D	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-01E	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-02A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-02B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-02C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-02D	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-02E	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-03A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03A1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03A2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03B1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03B2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03C1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03C2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-03D	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-03D1	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-03D2	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:03192417:43
Lab Number: L2411621
Report Date: 03/19/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2411621-03E	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-03E1	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-03E2	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-04A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-04B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-04C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2411621-04D	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-04E	Amber 500ml unpreserved	A	7	7	2.6	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-05A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2411621-05B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2411621-06A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2411621-06B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2411621-06C	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2411621-06D	Amber 500ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2411621-06E	Amber 500ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2411621
Report Date: 03/19/24

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

Page 1 of 1

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.

3/5/24

ALPHA Job #
L24/11621

April 1, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2411621

Dear Mr. Diggins:

The evaluation of the analytical data by Alpha Analytical for four water samples, one field blank and one trip blank from the Bud North site, which were reported in a single data package under Job No. L2411621 has been completed. The following samples were reported:

MW-01_20240304	MW-02_20240304
MW-03_20240304	MW-0X_20240304
TB_20240304	FB_20240304

Analyses were performed in accordance with SW846 method 8260D (Volatile Organics) and method 8015D (Total Petroleum Hydrocarbons). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by National Functional Guidelines for Data Review are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No – See Following Sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes

6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Based on the data review effort, results are usable, with the following qualifications:

Volatile Organics

- The results for chlorodibromomethane, bromoform, trans-1,4-dichloro-2-butene and 1,2-dibromo-3-chloropropane in all samples are qualified as estimated (UJ) due to low response in the continuing calibration verification (CCV) standard.
- The results for bromoform in all samples are qualified as estimated (UJ) due to low recovery in the laboratory control sample (LCS) and LCS duplicate (LCSD).
- The results for bromomethane and trans-1,4-dichloro-2-butene in MW-01_20240304, MW-02_20240304, MW-03_20240304 and MW-0X_20240304 are qualified as estimated (UJ) due to recoveries in the matrix spike (MS) and MS duplicate (MSD).

Total Petroleum Hydrocarbons

- The result for DRO (C10-C28) in the reanalysis of FB_20240304 is qualified as not detected (U) at the reporting limit due to method blank contamination. The result for DRO (C10-C28) in the original analysis of MW-03_20240304 is qualified as not detected (U) at the reporting limit due to field blank contamination. The TPH concentration in MW-03_20240304 is qualified as estimated (J+) with a potential high bias due to the contribution of DRO.
- The results for DRO and TPH in all samples (original analysis) are qualified as estimated (J, UJ) due to low recoveries in the LCS and LCSD and high relative percent difference (RPD) between the LCS and LCSD.
- Results for DRO and TPH in MW-01_20240304, MW-02_20240304, MW-03_20240304 and MW-0X_20240304 are qualified as estimated (J, UJ) due to imprecision between field duplicate samples.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody records is provided in Attachment B. Pages from the data package illustrating the exceedances and issues described in this validation report are included as Attachment C.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times

- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

When a sample result is qualified estimated 'J' in addition to estimated 'J+' or 'J-', the 'J' qualifier takes precedence, and the bias is indeterminate.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

It should be noted that the electronic data deliverable (EDD) and the laboratory data deliverable identify total petroleum hydrocarbon differently:

Data Deliverable	EDD
Total Petroleum Hydrocarbons (C9-C44)	DROD (C9-C44)

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of March 4, 2024. The samples were received on March 5, 2024. All samples were properly preserved and analyzed within method holding times. The samples were reanalyzed three days outside the hold time for total petroleum hydrocarbons (TPH) due to the low recoveries in the LCS and LCSD. It is recommended that the original TPH analysis for all samples is used. Refer to discussion in Section B.2.

A. Volatile Organics

1. Calibration

One initial calibration (IC) was reported and all relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients were acceptable. A second source initial calibration verification (ICV) standard was analyzed following the IC and all percent differences are acceptable. One continuing calibration verification (CCV) standard was analyzed and all RRFs and %Ds are acceptable with the following exceptions.

CCV	Analyte	%D
VOA122, 03/06/24 @07:47	Chlorodibromomethane	20.4
	Bromoform	20.7
	trans-1,4-Dichloro-2-butene	30.3
	1,2-Dibromo-3-chloropropane	26.8

In all instances, the percent difference represents a decrease in instrument sensitivity. The results for chlorodibromomethane, bromoform, trans-1,4-dichloro-2-butene and 1,2-dibromo-3-chloropropane in all samples are qualified as estimated (UJ) due to low response in the CCV.

2. Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

One LCS/LCSD pair was analyzed in support of sample analysis. All percent recoveries (%R) and relative percent differences (RPDs) are acceptable (70-130%R, $RPD \leq 30$) with the exception of bromoform (54 / 56%R). The results for bromoform in all samples are qualified as estimated (UJ) due to low recovery in the LCS and LCSD. The potential for false negatives exists in the non-detect results.

3. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-03_20240304. All percent recoveries (%R) and relative percent differences (RPDs) are acceptable (70-130%R, $RPD < 30$) with the following exceptions:

Analyte	MS %R	MSD %R	MS/MSD RPD
Bromomethane	20	27	a
trans-1,4-Dichloro-2-butene	68	68	a

a-acceptable

The results for bromomethane and trans-1,4-dichloro-2-butene in MW-01_20240304, MW-02_20240304, MW-03_20240304 and MW-0X_20240304 are qualified as estimated (UJ) due to recoveries in the MS and MSD.

4. Field Duplicates

MW-0X_20240304 was submitted as a field duplicate of MW-02_20240304. Precision was assessed using an $RPD \leq 30$ for detections above the reporting limit. Precision between field duplicate samples is acceptable, as presented below. Results below the reporting limit are not evaluated.

Analyte	MW-02_20240304 (µg/L)	MW-0X_20240304 (µg/L)	RPD
Ethylbenzene	1.2 J	1.1 J	nc
Toluene	0.89 J	0.82 J	nc
Xylenes, Total	2.4 J	2.2 J	nc
Xylenes, M,P	1.1 J	1.0 J	nc
Benzene	4.3	4	7.2
Carbon Disulfide	1.5 J	1.2 J	nc
Naphthalene	25	23	8.3
o-Xylene	1.3 J	1.2 J	nc
1,2,4-Trimethylbenzene	1.3 J	1.2 J	nc

nc-not calculated

B. Total Petroleum Hydrocarbons

1. Blanks

The table below summarizes blank concentrations that impacted sample results.

Blank	Analyte	Conc (µg/L)	Affected Samples
MB 3/15/23 (reanalysis)	DRO (C10-C28)	15.2	FB_20240304
FB_20240304 (original analysis)		29.5	MW-03_20240304

The result for DRO (C10-C28) in the reanalysis of FB_20240304 and the original analysis of MW-03_20240304 are qualified as not detected (U) at the reporting limit because the sample concentration is less than five times the associated blank concentration. The TPH concentration in MW-03_20240304 is qualified as estimated (J+) with a potential high bias due to the contribution of DRO.

2. Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

Two LCS/LCSD pairs were analyzed in support of sample analysis. All percent recoveries (%R) and relative percent differences (RPDs) are acceptable ($70-130\%R$, $RPD \leq 30$) with the following exceptions:

Analyte	LCS %R	LCSD %R	LCS/LCSD RPD
WG1892799-2 and -3			
Nonane (C9)	26	49	61
Decane (C10)	29	56	64
Dodecane (C12)	41	69	52
WG1896155-2 and -3 (Re-extract)			
Nonane (C9)	a	45	47
Decane (C10)	a	55	41
Dodecane (C12)	a	67	30

a=acceptable

The samples were reanalyzed three days outside the hold time due to the low recoveries in the LCS and LCSD. Since the LCS and LCSD associated with the reanalysis also exhibited low recoveries, it is recommended that the original analysis for all samples is used. The validator marked the reanalysis for all samples as 'reportable – No' in the EDD. The results for DRO and TPH in all samples are qualified as estimated (J, UJ) due to low recoveries in the LCS and LCSD and high RPD between the LCS and LCSD.

3. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-03_20240304. The MS/MSD recoveries and RPDs in the original analysis are quality control limits. MS/MSD analyses were also performed on MW-03_20240304 in the reanalysis batch, with nonane (C9), decane (C10) and dodecane (C12) recovery below the lower acceptance limit. As indicated above, the original analysis, which is within method holding time should be used. Sample results are not qualified based on low MS/MSD recoveries in the reanalysis.

4. Field Duplicates

MW-0X_20240304 was submitted as a field duplicate of MW-02_20240304. Precision was assessed using an $RPD \leq 30$. Results for DRO and TPH in MW-01_20240304, MW-02_20240304, MW-03_20240304 and MW-0X_20240304 are qualified as estimated (J, UJ) due to imprecision between field duplicate samples, as presented below.

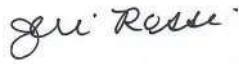
Analyte	MW-02_20240304 (µg/L)	MW-0X_20240304 (µg/L)	RPD
Total Petroleum Hydrocarbons (C9-C44)	653	402	48
DRO (C10-C28)	518	469	a
ORO (C28-C40)	104	21.2(U)	nc

a=acceptable

nc-not calculated

No other qualification of sample results was made. Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jeri Rossi".

Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

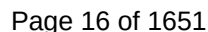
Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)



ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE -
QC EXCEEDANCES AND VALIDATION ISSUES**

Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2411621
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1893843-3 Analysis Date : 03/06/24 07:47 File ID : V22240306A01
 LCSD Sample ID : WG1893843-4 Analysis Date : 03/06/24 08:11 File ID : V22240306A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	12	120	10	11	110	9	70-130	20
Chloroform	10	9.7	97	10	9.8	98	1	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	8.0	80	10	8.1	81	1	63-130	20
1,1,2-Trichloroethane	10	8.1	81	10	9.4	94	15	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	9.7	97	10	9.8	98	1	75-130	20
Trichlorofluoromethane	10	11	110	10	11	110	0	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	10	100	0	67-130	20
Bromodichloromethane	10	8.9	89	10	9.2	92	3	67-130	20
trans-1,3-Dichloropropene	10	8.3	83	10	8.4	84	1	70-130	20
cis-1,3-Dichloropropene	10	9.4	94	10	9.3	93	1	70-130	20
1,1-Dichloropropene	10	10	100	10	10	100	0	70-130	20
Bromoform	10	7.9	79	10	8.4	84	6	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92	10	9.6	96	4	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	9.8	98	10	10	100	2	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	11	110	10	11	110	0	64-130	20
Bromomethane	10	5.4	54	10	5.6	56	4	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	11	110	10	11	110	0	55-138	20
1,1-Dichloroethene	10	11	110	10	11	110	0	61-145	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-03_20240304
 Lab Sample ID : L2411621-03
 Matrix Spike : WG1893843-6
 Matrix Spike Dup : WG1893843-7

Lab Number : L2411621
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 03/06/24 13:06
 MS Analysis Date : 03/06/24 18:01
 MSD Analysis Date : 03/06/24 18:26

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit			
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R						
Bromomethane	ND	10	2.0J	20	Q	10	2.7	27	Q	30	Q	39-139	20
Vinyl chloride	ND	10	11	110		10	11	110		0		55-140	20
Chloroethane	ND	10	11	110		10	11	110		0		55-138	20
1,1-Dichloroethene	ND	10	11	110		10	11	110		0		61-145	20
trans-1,2-Dichloroethene	ND	10	10	100		10	10	100		0		70-130	20
Trichloroethene	ND	10	9.5	95		10	9.3	93		2		70-130	20
1,2-Dichlorobenzene	ND	10	9.4	94		10	9.3	93		1		70-130	20
1,3-Dichlorobenzene	ND	10	9.5	95		10	9.2	92		3		70-130	20
1,4-Dichlorobenzene	ND	10	9.2	92		10	9.2	92		0		70-130	20
Methyl tert butyl ether	ND	10	10	100		10	10	100		0		63-130	20
p/m-Xylene	ND	20	20	100		20	19	95		5		70-130	20
o-Xylene	ND	20	19	95		20	19	95		0		70-130	20
cis-1,2-Dichloroethene	ND	10	10	100		10	10	100		0		70-130	20
Dibromomethane	ND	10	9.4	94		10	9.7	97		3		70-130	20
1,2,3-Trichloropropane	ND	10	9.0	90		10	9.1	91		1		64-130	20
Acrylonitrile	ND	10	11	110		10	11	110		0		70-130	20
Styrene	ND	20	19	95		20	19	95		0		70-130	20
Dichlorodifluoromethane	ND	10	11	110		10	10	100		10		36-147	20
Acetone	ND	10	12	120		10	12	120		0		58-148	20
Carbon disulfide	ND	10	11	110		10	11	110		0		51-130	20
2-Butanone	ND	10	9.9	99		10	10	100		1		63-138	20
Vinyl acetate	ND	10	13	130		10	13	130		0		70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-03_20240304
 Lab Sample ID : L2411621-03
 Matrix Spike : WG1893843-6
 Matrix Spike Dup : WG1893843-7

Lab Number : L2411621
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 03/06/24 13:06
 MS Analysis Date : 03/06/24 18:01
 MSD Analysis Date : 03/06/24 18:26

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
1,2,4-Trimethylbenzene	ND	10	9.0	90	10	8.8	88	2	70-130	20
1,4-Dioxane	ND	500	490	98	500	480	96	2	56-162	20
p-Diethylbenzene	ND	10	9.1	91	10	8.8	88	3	70-130	20
p-Ethyltoluene	ND	10	9.4	94	10	9.1	91	3	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	9.5	95	10	9.2	92	3	70-130	20
Ethyl ether	ND	10	10	100	10	10	100	0	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	6.8	68 Q	10	6.8	68 Q	0	70-130	20



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : VOA122
 Lab File ID : V22240306A01
 Sample No : WG1893843-2
 Channel :

Lab Number : L2411621
 Project Number : 200112
 Calibration Date : 03/06/24 07:47
 Init. Calib. Date(s) : 01/22/24 01/23/24
 Init. Calib. Times : 22:47 22:06

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.171	0.153*	-	10.5	20	70	0
1,4-Dioxane	0.00081	0.00084*	-	-3.7	20	78	0
cis-1,3-Dichloropropene	0.179	0.168*	-	6.1	20	72	0
Chlorobenzene-d5	1	1	-	0	20	77	0
Toluene-d8	1.247	1.262	-	-1.2	20	79	0
Toluene	0.386	0.38	-	1.6	20	78	0
4-Methyl-2-pentanone	0.029	0.027*	-	6.9	20	72	0
Tetrachloroethene	0.164	0.178	-	-8.5	20	93	0
trans-1,3-Dichloropropene	0.184	0.154*	-	16.3	20	70	0
Ethyl methacrylate	0.122	0.1	-	18	20	65	0
1,1,2-Trichloroethane	0.089	0.072*	-	19.1	20	70	0
Chlorodibromomethane	0.142	0.113*	-	20.4*	20	68	0
1,3-Dichloropropane	0.17	0.158	-	7.1	20	78	0
1,2-Dibromoethane	0.101	0.09*	-	10.9	20	76	0
2-Hexanone	0.053	0.046	-	13.2	20	66	0
Chlorobenzene	0.447	0.433	-	3.1	20	76	0
Ethylbenzene	0.75	0.756	-	-0.8	20	78	0
1,1,1,2-Tetrachloroethane	0.151	0.129	-	14.6	20	72	0
p/m Xylene	0.297	0.296	-	0.3	20	76	0
o Xylene	0.287	0.278	-	3.1	20	73	0
Styrene	0.462	0.445	-	3.7	20	71	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
Bromoform	0.145	0.115	-	20.7*	20	69	0
Isopropylbenzene	1.511	1.507	-	0.3	20	81	0
4-Bromofluorobenzene	0.919	0.883	-	3.9	20	75	0
Bromobenzene	0.359	0.339	-	5.6	20	75	0
n-Propylbenzene	1.719	1.723	-	-0.2	20	81	0
1,4-Dichlorobutane	0.354	0.361	-	-2	20	83	0
1,1,2,2-Tetrachloroethane	0.203	0.186*	-	8.4	20	78	0
4-Ethyltoluene	1.491	1.426	-	4.4	20	77	0
2-Chlorotoluene	1.028	0.969	-	5.7	20	74	0
1,3,5-Trimethylbenzene	1.251	1.14	-	8.9	20	72	0
1,2,3-Trichloropropane	0.167	0.152	-	9	20	76	0
trans-1,4-Dichloro-2-buten	0.076	0.053	-	30.3*	20	60	0
4-Chlorotoluene	1.096	1.02	-	6.9	20	74	0
tert-Butylbenzene	1.283	1.289	-	-0.5	20	84	0
1,2,4-Trimethylbenzene	1.4	1.294	-	7.6	20	73	0
sec-Butylbenzene	1.517	1.575	-	-3.8	20	88	0
p-Isopropyltoluene	1.358	1.326	-	2.4	20	79	0
1,3-Dichlorobenzene	0.718	0.68	-	5.3	20	75	0
1,4-Dichlorobenzene	0.704	0.66	-	6.2	20	75	0
p-Diethylbenzene	0.813	0.766	-	5.8	20	76	0
n-Butylbenzene	1.055	1.071	-	-1.5	20	83	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : VOA122
 Lab File ID : V22240306A01
 Sample No : WG1893843-2
 Channel :

Lab Number : L2411621
 Project Number : 200112
 Calibration Date : 03/06/24 07:47
 Init. Calib. Date(s) : 01/22/24 01/23/24
 Init. Calib. Times : 22:47 22:06

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichlorobenzene	0.636	0.593*	-	6.8	20	74	0
1,2,4,5-Tetramethylbenzene	1.117	1.06	-	5.1	20	78	0
1,2-Dibromo-3-chloropropan	0.041	0.03	-	26.8*	20	60	0
1,3,5-Trichlorobenzene	0.428	0.46	-	-7.5	20	87	0
Hexachlorobutadiene	0.14	0.173	-	-23.6*	20	110	0
1,2,4-Trichlorobenzene	0.376	0.392*	-	-4.3	20	84	0
Naphthalene	0.875	0.766	-	12.5	20	69	0
1,2,3-Trichlorobenzene	0.324	0.342*	-	-5.6	20	83	0

* Value outside of QC limits.



Laboratory Control Sample Summary

Form 3

Petroleum

Client : AKRF, Inc. Lab Number : L2411621
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1892799-2 Analysis Date : 03/12/24 00:37 File ID : F1703112419
 LCSD Sample ID : WG1892799-3 Analysis Date : 03/12/24 02:05 File ID : F1703112421

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Nonane (C9)	20	5.128000	26 Q	20	9.854000	49 Q	61 Q	50-130	30
Decane (C10)	20	5.830000	29 Q	20	11.24700	56	64 Q	50-130	30
Dodecane (C12)	20	8.1470000	41 Q	20	13.834000	69	51 Q	50-130	30
Tetradecane (C14)	20	12.420000	62	20	16.211000	81	27	50-130	30
Hexadecane (C16)	20	17.23500	86	20	19.04300	95	10	50-130	30
Octadecane (C18)	20	18.98200	95	20	20.18200	101	6	50-130	30
Nonadecane (C19)	20	18.04400	90	20	19.06700	95	5	50-130	30
Eicosane (C20)	20	18.90100	94	20	19.83900	99	5	50-130	30
Docosane (C22)	20	18.27900	91	20	19.12300	96	5	50-130	30
Tetracosane (C24)	20	19.31500	96	20	20.25600	101	5	50-130	30
Hexacosane (C26)	20	18.80600	94	20	19.77100	99	5	50-130	30
Octacosane (C28)	20	18.61200	93	20	19.59800	98	5	50-130	30
triacontane (C30)	20	18.97300	95	20	19.88000	99	4	50-130	30
Hexatriacontane (C36)	20	17.07600	85	20	17.61300	88	3	50-130	30



Laboratory Control Sample Summary

Form 3

Petroleum

Client : AKRF, Inc. Lab Number : L2411621
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1896155-2 Analysis Date : 03/16/24 04:48 File ID : F603142458
 LCSD Sample ID : WG1896155-3 Analysis Date : 03/16/24 06:15 File ID : F603142460

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Nonane (C9)	20	14.85100	74	20	9.309000	46 Q	47 Q	50-130	30
Decane (C10)	20	16.66300	83	20	10.97500	55	41 Q	50-130	30
Dodecane (C12)	20	18.263000	91	20	13.493000	67	30	50-130	30
Tetradecane (C14)	20	18.442000	92	20	17.172000	86	7	50-130	30
Hexadecane (C16)	20	19.94500	100	20	20.55700	103	3	50-130	30
Octadecane (C18)	20	21.08400	105	20	21.73300	109	4	50-130	30
Nonadecane (C19)	20	19.94900	100	20	20.57000	103	3	50-130	30
Eicosane (C20)	20	20.22700	101	20	20.87400	104	3	50-130	30
Docosane (C22)	20	19.73400	99	20	20.34300	102	3	50-130	30
Tetracosane (C24)	20	21.04300	105	20	21.68700	108	3	50-130	30
Hexacosane (C26)	20	19.81200	99	20	20.41600	102	3	50-130	30
Octacosane (C28)	20	20.63300	103	20	21.20400	106	3	50-130	30
triacontane (C30)	20	20.08300	100	20	20.68200	103	3	50-130	30
Hexatriacontane (C36)	20	18.21100	91	20	18.81000	94	3	50-130	30





ANALYTICAL REPORT

Lab Number:	L2411776
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	BUD NORTH
Project Number:	200112
Report Date:	03/14/24

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110), NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411776
Report Date: 03/14/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2411776-01	SVE-INF_20240305	SOIL_VAPOR	2-21 MALT DRIVE, QUEENS	03/05/24 12:45	03/05/24
L2411776-02	SVE-INT_20240305	SOIL_VAPOR	2-21 MALT DRIVE, QUEENS	03/05/24 12:55	03/05/24
L2411776-03	SVE-EFF_20240305	SOIL_VAPOR	2-21 MALT DRIVE, QUEENS	03/05/24 13:05	03/05/24
L2411776-04	TB_20240305	SOIL_VAPOR	2-21 MALT DRIVE, QUEENS	03/05/24 13:10	03/05/24

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411776
Report Date: 03/14/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2411776
Report Date: 03/14/24

Case Narrative (continued)

Volatile Organics in Air

L2411776-01D through -03D: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/14/24

AIR

Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2411776**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-01 D
 Client ID: SVE-INF_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 12:45
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/24 06:07
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	6.93	0.419	--	34.3	2.07	--		2.093
Chloromethane	ND	0.419	--	ND	0.865	--		2.093
Freon-114	ND	0.419	--	ND	2.93	--		2.093
Vinyl chloride	ND	0.419	--	ND	1.07	--		2.093
1,3-Butadiene	ND	0.419	--	ND	0.927	--		2.093
Bromomethane	ND	0.419	--	ND	1.63	--		2.093
Chloroethane	ND	0.419	--	ND	1.11	--		2.093
Ethanol	15.1	10.5	--	28.5	19.8	--		2.093
Vinyl bromide	ND	0.419	--	ND	1.83	--		2.093
Acetone	5.39	2.09	--	12.8	4.96	--		2.093
Trichlorofluoromethane	17.9	0.419	--	101	2.35	--		2.093
Isopropanol	70.8	1.05	--	174	2.58	--		2.093
1,1-Dichloroethene	ND	0.419	--	ND	1.66	--		2.093
Methylene chloride	ND	1.05	--	ND	3.65	--		2.093
3-Chloropropene	ND	0.419	--	ND	1.31	--		2.093
Carbon disulfide	ND	0.419	--	ND	1.30	--		2.093
Freon-113	ND	0.419	--	ND	3.21	--		2.093
trans-1,2-Dichloroethene	ND	0.419	--	ND	1.66	--		2.093
1,1-Dichloroethane	ND	0.419	--	ND	1.70	--		2.093
Methyl tert butyl ether	ND	0.419	--	ND	1.51	--		2.093
2-Butanone	ND	1.05	--	ND	3.10	--		2.093
cis-1,2-Dichloroethene	ND	0.419	--	ND	1.66	--		2.093
Ethyl Acetate	ND	1.05	--	ND	3.78	--		2.093



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2411776**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-01 D
 Client ID: SVE-INF_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 12:45
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.419	--	ND	2.05	--		2.093
Tetrahydrofuran	ND	1.05	--	ND	3.10	--		2.093
1,2-Dichloroethane	ND	0.419	--	ND	1.70	--		2.093
n-Hexane	0.506	0.419	--	1.78	1.48	--		2.093
1,1,1-Trichloroethane	ND	0.419	--	ND	2.29	--		2.093
Benzene	ND	0.419	--	ND	1.34	--		2.093
Carbon tetrachloride	ND	0.419	--	ND	2.64	--		2.093
Cyclohexane	ND	0.419	--	ND	1.44	--		2.093
1,2-Dichloropropane	ND	0.419	--	ND	1.94	--		2.093
Bromodichloromethane	ND	0.419	--	ND	2.81	--		2.093
1,4-Dioxane	ND	0.419	--	ND	1.51	--		2.093
Trichloroethene	ND	0.419	--	ND	2.25	--		2.093
2,2,4-Trimethylpentane	ND	0.419	--	ND	1.96	--		2.093
Heptane	ND	0.419	--	ND	1.72	--		2.093
cis-1,3-Dichloropropene	ND	0.419	--	ND	1.90	--		2.093
4-Methyl-2-pentanone	ND	1.05	--	ND	4.30	--		2.093
trans-1,3-Dichloropropene	ND	0.419	--	ND	1.90	--		2.093
1,1,2-Trichloroethane	ND	0.419	--	ND	2.29	--		2.093
Toluene	1.23	0.419	--	4.64	1.58	--		2.093
2-Hexanone	ND	0.419	--	ND	1.72	--		2.093
Dibromochloromethane	ND	0.419	--	ND	3.57	--		2.093
1,2-Dibromoethane	ND	0.419	--	ND	3.22	--		2.093
Tetrachloroethene	3.60	0.419	--	24.4	2.84	--		2.093
Chlorobenzene	ND	0.419	--	ND	1.93	--		2.093
Ethylbenzene	0.561	0.419	--	2.44	1.82	--		2.093
p/m-Xylene	2.40	0.837	--	10.4	3.64	--		2.093



Project Name: BUD NORTH**Lab Number:** L2411776**Project Number:** 200112**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-01 D
 Client ID: SVE-INF_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 12:45
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.419	--	ND	4.33	--		2.093
Styrene	ND	0.419	--	ND	1.78	--		2.093
1,1,2,2-Tetrachloroethane	ND	0.419	--	ND	2.88	--		2.093
o-Xylene	1.35	0.419	--	5.86	1.82	--		2.093
4-Ethyltoluene	ND	0.419	--	ND	2.06	--		2.093
1,3,5-Trimethylbenzene	ND	0.419	--	ND	2.06	--		2.093
1,2,4-Trimethylbenzene	ND	0.419	--	ND	2.06	--		2.093
Benzyl chloride	ND	0.419	--	ND	2.17	--		2.093
1,3-Dichlorobenzene	ND	0.419	--	ND	2.52	--		2.093
1,4-Dichlorobenzene	ND	0.419	--	ND	2.52	--		2.093
1,2-Dichlorobenzene	ND	0.419	--	ND	2.52	--		2.093
1,2,4-Trichlorobenzene	ND	0.419	--	ND	3.11	--		2.093
Naphthalene	ND	0.419	--	ND	2.20	--		2.093
Hexachlorobutadiene	ND	0.419	--	ND	4.47	--		2.093

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2411776**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-02 D
 Client ID: SVE-INT_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 12:55
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/24 05:23
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	6.95	0.418	--	34.4	2.07	--		2.092
Chloromethane	ND	0.418	--	ND	0.863	--		2.092
Freon-114	ND	0.418	--	ND	2.92	--		2.092
Vinyl chloride	ND	0.418	--	ND	1.07	--		2.092
1,3-Butadiene	ND	0.418	--	ND	0.925	--		2.092
Bromomethane	ND	0.418	--	ND	1.62	--		2.092
Chloroethane	ND	0.418	--	ND	1.10	--		2.092
Ethanol	13.2	10.5	--	24.9	19.8	--		2.092
Vinyl bromide	ND	0.418	--	ND	1.83	--		2.092
Acetone	9.33	2.09	--	22.2	4.96	--		2.092
Trichlorofluoromethane	12.7	0.418	--	71.4	2.35	--		2.092
Isopropanol	8.90	1.05	--	21.9	2.58	--		2.092
1,1-Dichloroethene	ND	0.418	--	ND	1.66	--		2.092
Methylene chloride	ND	1.05	--	ND	3.65	--		2.092
3-Chloropropene	ND	0.418	--	ND	1.31	--		2.092
Carbon disulfide	ND	0.418	--	ND	1.30	--		2.092
Freon-113	ND	0.418	--	ND	3.20	--		2.092
trans-1,2-Dichloroethene	ND	0.418	--	ND	1.66	--		2.092
1,1-Dichloroethane	ND	0.418	--	ND	1.69	--		2.092
Methyl tert butyl ether	ND	0.418	--	ND	1.51	--		2.092
2-Butanone	ND	1.05	--	ND	3.10	--		2.092
cis-1,2-Dichloroethene	ND	0.418	--	ND	1.66	--		2.092
Ethyl Acetate	ND	1.05	--	ND	3.78	--		2.092



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2411776**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-02 D
 Client ID: SVE-INT_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 12:55
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.418	--	ND	2.04	--		2.092
Tetrahydrofuran	ND	1.05	--	ND	3.10	--		2.092
1,2-Dichloroethane	ND	0.418	--	ND	1.69	--		2.092
n-Hexane	1.40	0.418	--	4.93	1.47	--		2.092
1,1,1-Trichloroethane	ND	0.418	--	ND	2.28	--		2.092
Benzene	ND	0.418	--	ND	1.34	--		2.092
Carbon tetrachloride	ND	0.418	--	ND	2.63	--		2.092
Cyclohexane	ND	0.418	--	ND	1.44	--		2.092
1,2-Dichloropropane	ND	0.418	--	ND	1.93	--		2.092
Bromodichloromethane	ND	0.418	--	ND	2.80	--		2.092
1,4-Dioxane	ND	0.418	--	ND	1.51	--		2.092
Trichloroethene	ND	0.418	--	ND	2.25	--		2.092
2,2,4-Trimethylpentane	ND	0.418	--	ND	1.95	--		2.092
Heptane	ND	0.418	--	ND	1.71	--		2.092
cis-1,3-Dichloropropene	ND	0.418	--	ND	1.90	--		2.092
4-Methyl-2-pentanone	ND	1.05	--	ND	4.30	--		2.092
trans-1,3-Dichloropropene	ND	0.418	--	ND	1.90	--		2.092
1,1,2-Trichloroethane	ND	0.418	--	ND	2.28	--		2.092
Toluene	3.94	0.418	--	14.8	1.58	--		2.092
2-Hexanone	ND	0.418	--	ND	1.71	--		2.092
Dibromochloromethane	ND	0.418	--	ND	3.56	--		2.092
1,2-Dibromoethane	ND	0.418	--	ND	3.21	--		2.092
Tetrachloroethene	ND	0.418	--	ND	2.83	--		2.092
Chlorobenzene	ND	0.418	--	ND	1.93	--		2.092
Ethylbenzene	ND	0.418	--	ND	1.82	--		2.092
p/m-Xylene	ND	0.837	--	ND	3.64	--		2.092



Project Name: BUD NORTH**Lab Number:** L2411776**Project Number:** 200112**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-02 D
 Client ID: SVE-INT_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 12:55
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.418	--	ND	4.32	--		2.092
Styrene	ND	0.418	--	ND	1.78	--		2.092
1,1,2,2-Tetrachloroethane	ND	0.418	--	ND	2.87	--		2.092
o-Xylene	ND	0.418	--	ND	1.82	--		2.092
4-Ethyltoluene	ND	0.418	--	ND	2.05	--		2.092
1,3,5-Trimethylbenzene	ND	0.418	--	ND	2.05	--		2.092
1,2,4-Trimethylbenzene	ND	0.418	--	ND	2.05	--		2.092
Benzyl chloride	ND	0.418	--	ND	2.16	--		2.092
1,3-Dichlorobenzene	ND	0.418	--	ND	2.51	--		2.092
1,4-Dichlorobenzene	ND	0.418	--	ND	2.51	--		2.092
1,2-Dichlorobenzene	ND	0.418	--	ND	2.51	--		2.092
1,2,4-Trichlorobenzene	ND	0.418	--	ND	3.10	--		2.092
Naphthalene	ND	0.418	--	ND	2.19	--		2.092
Hexachlorobutadiene	ND	0.418	--	ND	4.46	--		2.092

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2411776**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-03 D
 Client ID: SVE-EFF_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 13:05
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/14/24 02:27
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	6.78	0.420	--	33.5	2.08	--		2.1
Chloromethane	ND	0.420	--	ND	0.867	--		2.1
Freon-114	ND	0.420	--	ND	2.94	--		2.1
Vinyl chloride	ND	0.420	--	ND	1.07	--		2.1
1,3-Butadiene	ND	0.420	--	ND	0.929	--		2.1
Bromomethane	ND	0.420	--	ND	1.63	--		2.1
Chloroethane	ND	0.420	--	ND	1.11	--		2.1
Ethanol	13.9	10.5	--	26.2	19.8	--		2.1
Vinyl bromide	ND	0.420	--	ND	1.84	--		2.1
Acetone	10.9	2.10	--	25.9	4.99	--		2.1
Trichlorofluoromethane	12.2	0.420	--	68.6	2.36	--		2.1
Isopropanol	9.50	1.05	--	23.4	2.58	--		2.1
1,1-Dichloroethene	ND	0.420	--	ND	1.67	--		2.1
Methylene chloride	ND	1.05	--	ND	3.65	--		2.1
3-Chloropropene	ND	0.420	--	ND	1.31	--		2.1
Carbon disulfide	ND	0.420	--	ND	1.31	--		2.1
Freon-113	ND	0.420	--	ND	3.22	--		2.1
trans-1,2-Dichloroethene	ND	0.420	--	ND	1.67	--		2.1
1,1-Dichloroethane	ND	0.420	--	ND	1.70	--		2.1
Methyl tert butyl ether	ND	0.420	--	ND	1.51	--		2.1
2-Butanone	ND	1.05	--	ND	3.10	--		2.1
cis-1,2-Dichloroethene	ND	0.420	--	ND	1.67	--		2.1
Ethyl Acetate	ND	1.05	--	ND	3.78	--		2.1



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2411776**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-03 D
 Client ID: SVE-EFF_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 13:05
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.420	--	ND	2.05	--		2.1
Tetrahydrofuran	1.39	1.05	--	4.10	3.10	--		2.1
1,2-Dichloroethane	ND	0.420	--	ND	1.70	--		2.1
n-Hexane	1.62	0.420	--	5.71	1.48	--		2.1
1,1,1-Trichloroethane	ND	0.420	--	ND	2.29	--		2.1
Benzene	ND	0.420	--	ND	1.34	--		2.1
Carbon tetrachloride	ND	0.420	--	ND	2.64	--		2.1
Cyclohexane	ND	0.420	--	ND	1.45	--		2.1
1,2-Dichloropropane	ND	0.420	--	ND	1.94	--		2.1
Bromodichloromethane	ND	0.420	--	ND	2.81	--		2.1
1,4-Dioxane	ND	0.420	--	ND	1.51	--		2.1
Trichloroethene	ND	0.420	--	ND	2.26	--		2.1
2,2,4-Trimethylpentane	ND	0.420	--	ND	1.96	--		2.1
Heptane	ND	0.420	--	ND	1.72	--		2.1
cis-1,3-Dichloropropene	ND	0.420	--	ND	1.91	--		2.1
4-Methyl-2-pentanone	ND	1.05	--	ND	4.30	--		2.1
trans-1,3-Dichloropropene	ND	0.420	--	ND	1.91	--		2.1
1,1,2-Trichloroethane	ND	0.420	--	ND	2.29	--		2.1
Toluene	3.37	0.420	--	12.7	1.58	--		2.1
2-Hexanone	ND	0.420	--	ND	1.72	--		2.1
Dibromochloromethane	ND	0.420	--	ND	3.58	--		2.1
1,2-Dibromoethane	ND	0.420	--	ND	3.23	--		2.1
Tetrachloroethene	0.695	0.420	--	4.71	2.85	--		2.1
Chlorobenzene	ND	0.420	--	ND	1.93	--		2.1
Ethylbenzene	ND	0.420	--	ND	1.82	--		2.1
p/m-Xylene	ND	0.840	--	ND	3.65	--		2.1



Project Name: BUD NORTH**Lab Number:** L2411776**Project Number:** 200112**Report Date:** 03/14/24**SAMPLE RESULTS**

Lab ID: L2411776-03 D
 Client ID: SVE-EFF_20240305
 Sample Location: 2-21 MALT DRIVE, QUEENS

Date Collected: 03/05/24 13:05
 Date Received: 03/05/24
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.420	--	ND	4.34	--		2.1
Styrene	ND	0.420	--	ND	1.79	--		2.1
1,1,2,2-Tetrachloroethane	ND	0.420	--	ND	2.88	--		2.1
o-Xylene	ND	0.420	--	ND	1.82	--		2.1
4-Ethyltoluene	ND	0.420	--	ND	2.06	--		2.1
1,3,5-Trimethylbenzene	ND	0.420	--	ND	2.06	--		2.1
1,2,4-Trimethylbenzene	ND	0.420	--	ND	2.06	--		2.1
Benzyl chloride	ND	0.420	--	ND	2.17	--		2.1
1,3-Dichlorobenzene	ND	0.420	--	ND	2.53	--		2.1
1,4-Dichlorobenzene	ND	0.420	--	ND	2.53	--		2.1
1,2-Dichlorobenzene	ND	0.420	--	ND	2.53	--		2.1
1,2,4-Trichlorobenzene	ND	0.420	--	ND	3.12	--		2.1
Naphthalene	ND	0.420	--	ND	2.20	--		2.1
Hexachlorobutadiene	ND	0.420	--	ND	4.48	--		2.1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140



Project Name: BUD NORTH

Lab Number: L2411776

Project Number: 200112

Report Date: 03/14/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/13/24 14:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1895848-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: BUD NORTH

Lab Number: L2411776

Project Number: 200112

Report Date: 03/14/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/13/24 14:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1895848-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: BUD NORTH

Lab Number: L2411776

Project Number: 200112

Report Date: 03/14/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/13/24 14:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1895848-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411776

Report Date: 03/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1895848-3								
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	98		-		70-130	-		
Vinyl chloride	95		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethanol	83		-		40-160	-		
Vinyl bromide	83		-		70-130	-		
Acetone	91		-		40-160	-		
Trichlorofluoromethane	89		-		70-130	-		
Isopropanol	88		-		40-160	-		
1,1-Dichloroethene	92		-		70-130	-		
Tertiary butyl Alcohol	90		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	93		-		70-130	-		
Carbon disulfide	82		-		70-130	-		
Freon-113	90		-		70-130	-		
trans-1,2-Dichloroethene	85		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411776

Report Date: 03/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1895848-3								
Ethyl Acetate	92		-		70-130	-		
Chloroform	90		-		70-130	-		
Tetrahydrofuran	87		-		70-130	-		
1,2-Dichloroethane	85		-		70-130	-		
n-Hexane	94		-		70-130	-		
1,1,1-Trichloroethane	82		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	90		-		70-130	-		
Cyclohexane	94		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	94		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	92		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	93		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	94		-		70-130	-		
1,1,2-Trichloroethane	91		-		70-130	-		
Toluene	89		-		70-130	-		
2-Hexanone	92		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	86		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2411776

Report Date: 03/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1895848-3								
Tetrachloroethene	86		-		70-130	-		
Chlorobenzene	87		-		70-130	-		
Ethylbenzene	92		-		70-130	-		
p/m-Xylene	93		-		70-130	-		
Bromoform	95		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	93		-		70-130	-		
o-Xylene	95		-		70-130	-		
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	95		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Benzyl chloride	96		-		70-130	-		
1,3-Dichlorobenzene	96		-		70-130	-		
1,4-Dichlorobenzene	98		-		70-130	-		
1,2-Dichlorobenzene	90		-		70-130	-		
1,2,4-Trichlorobenzene	100		-		70-130	-		
Naphthalene	96		-		70-130	-		
Hexachlorobutadiene	97		-		70-130	-		

Project Name: BUD NORTH**Lab Number:** L2411776**Project Number:** 200112**Report Date:** 03/14/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2411776-01A	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-01A1	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-01A2	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-01X	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-01X1	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-01X2	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-02A	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-02A1	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-02A2	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-02X	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-02X1	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-02X2	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-03A	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-03A1	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-03A2	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-03X	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-03X1	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-03X2	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2411776-04A	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		HOLD-AIR-INV(30)
L2411776-04X	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		HOLD-AIR-INV(30)

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411776
Report Date: 03/14/24

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: Data Usability Report



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411776
Report Date: 03/14/24

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2411776
Report Date: 03/14/24

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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: BUD NORTH
Project Number: 200112

Lab Number: L2411776
Report Date: 03/14/24

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624.1: 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.

March 19, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2411776.

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Alpha Analytical for three soil vapor samples and one trip blank from the Bud North site, which were reported in a single data package under Job No. L2411776, has been completed. The following samples were reported:

SVE-INF_20240305	SVE-INT_20240305
SVE-EFF_20240305	TB_20240305

Analyses were performed in accordance with EPA Method TO-15 (Volatile Organics). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No – See Following Sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Based on the data review effort, results are usable, with the following qualifications:

- The result for 1,2,4-trichlorobenzene in all samples is qualified as estimated due to high relative standard deviation (RSD) in the initial calibration.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B. Pages from the data package illustrating the exceedances and issues described in this validation report are included as Attachment C.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

When a sample result is qualified estimated 'J' in addition to estimated 'J+' or 'J-', the 'J' qualifier takes precedence, and the bias is indeterminate.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of March 5, 2024. The samples were received on March 6, 2024. All samples were received intact and analyzed within method holding time.

The data deliverable indicates that the samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt to extend the holding time for analysis. The data deliverable does not include clean canister certification. The laboratory was contacted and replied 'This is not something that the lab tracks. We do use batch cleaned canisters for this.' Sample results are not qualified based on this finding.

A. Volatile Organics

1. Calibration

One initial calibration (IC) was reported and all relative standard deviations (RSDs) or correlation coefficients were acceptable, with the exception of the RSD for 1,2,4-trichlorobenzene (37.6%RSD, criterion $\leq 30\%$ RSD). The high RSD is due to the low response in the two lowest concentration calibration standards. On this basis, the results for 1,2,4-trichlorobenzene in all samples are qualified as estimated (UJ). The potential for false negatives exists.

A second source initial calibration verification (ICV) standard was analyzed following the IC and all percent differences are acceptable. Continuing calibration verification (CCV) standards were analyzed at the appropriate frequency and all RRFs and %Ds are acceptable.

No other qualification of sample results was made. Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)



WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9360
FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 3/6/24

ALPHA Job #: L2411776

Project Information

Project Name: Bud North
Project Location: 2-21 Malt Priv, Queen
Project #: 200112
Project Manager: Patrick Diggins
ALPHA Quote #:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEX ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 200112

Client Information

Client: AKRF
Address: 440 Park Ave South,
Fl 7, New York, NY
Phone: 603-494-7090
Fax:
Email: jdiggins@akrf.com
☐ These samples have been previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MSD Soil Vapor

Other Project Specific Requirements/Comments/Detection Limits:

CAT B DELIVERABLES /EQUISED

ANALYSIS		SAMPLE HANDLING		TOTAL # BOTTLES
VOCs TO-15		Filtration _____ ☐ Done ☐ Not needed ☐ 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
		Date	Time		
11776-01	SVE-INF-20240305	3/5/24	1245	Air	MF
-02	SVE-INT-20240305	3/5/24	1255	Air	MF
-03	SVE-EFF-20240305	3/5/24	1305	Air	MF
-04	TB-20240305	3/5/24	1310	Air	MF

Hold Trip Blank Analysis!

Container Type
Preservative

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Anthony Green</i>	3/5/2024 3:15:38	<i>Anthony Green</i>	3/5/2024 14:20
	3/6/24 00:15		3/6/24 00:15
	3/6/24 05:00		3/6/24 05:00

ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE -
QC EXCEEDANCES AND VALIDATION ISSUES**

Initial Calibration Summary

Form 6

Air Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : AIRLAB19
 Calibration dates : 03/05/24 01:42 03/05/24 07:03

Lab Number : L2411776
 Project Number : 200112
 Ical Ref : ICAL20913

Calibration Files

0.2 =r1928154.D 0.5 =r1928155.D 1.0 =r1928156.D 5.0 =r1928157.D 10 =r1928158.D 20 =r1928159.D
 50 =r1928160.D 100 =r1928161.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
109)	indan	5.196	5.157	5.285	6.461	6.483	5.776	5.026	4.561	5.4933	12.55
110)	indene	2.916	3.113	3.294	4.313	4.374	3.978	3.618	3.441	3.6308	14.97
111) C	1,2-dibromo-3-chloropropane	1.239	1.339	1.414	1.893	1.893	1.710	1.516	1.433	1.5545	16.04
112)	undecane	5.916	6.569	7.009	8.863	8.530	7.448	5.853	4.743	6.8664	20.33
113)	1,2,4,5-tetramethylbenzene	0.260	0.260	0.250	0.405	0.406	0.270	0.245	0.249	0.2932	23.84
114)	dodecane	2.804	4.306	5.347	8.376	8.528	7.211	5.645	4.360	5.8222	35.30#
115) C	1,2,4-trichlorobenzene	0.947	1.317	1.587	2.995	3.210	2.765	2.487	2.283	2.1990	37.60#
116)	naphthalene	3.369	4.396	5.203	8.309	8.398	7.403	6.246	5.518	6.1054	29.94
117)	1,2,3-trichlorobenzene	1.209	1.475	1.737	2.705	2.780	2.543	2.207	2.041	2.0872	27.78
118)	benzothiophene	0.258	0.368	0.477	1.272	1.388	0.799	0.677	0.587	0.7281	56.18#
119) C	hexachlorobutadiene	2.232	2.425	2.423	3.073	2.985	2.527	2.065	1.637	2.4209	19.32
120)	2-methylnaphthalene			0.385	1.854	2.618	1.564	1.568	0.296	1.3810	64.69#
121)	1-methylnaphthalene			0.860	3.525	4.303	2.637	2.453	0.381	2.3599	63.94#





ANALYTICAL REPORT

Lab Number:	L2433259
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	BUD NORTH
Project Number:	200112
Report Date:	06/27/24

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), 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: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2433259-01	MW-2_20240612	WATER	54 2ND STREET, LONG ISLAND CITY, NY 11101	06/12/24 12:55	06/13/24
L2433259-02	MW-X_20240612	WATER	54 2ND STREET, LONG ISLAND CITY, NY 11101	06/12/24 13:00	06/13/24
L2433259-03	FIELD BLANK_20240612	WATER	54 2ND STREET, LONG ISLAND CITY, NY 11101	06/12/24 14:00	06/13/24
L2433259-04	TRIP BLANK	WATER	54 2ND STREET, LONG ISLAND CITY, NY 11101	06/12/24 00:00	06/13/24
L2433259-05	MW-1_20240612	WATER	54 2ND STREET, LONG ISLAND CITY, NY 11101	06/12/24 14:30	06/13/24
L2433259-06	MW-3_20240612	WATER	54 2ND STREET, LONG ISLAND CITY, NY 11101	06/12/24 16:55	06/13/24

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

Case Narrative (continued)

Report Submission

June 27, 2024: This final report includes the results of all requested analyses.

June 20, 2024: This is a preliminary report.

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

Diesel Range & Oil Range Organics

The WG1935240-5 MSD recovery, performed on L2433259-05, is outside the acceptance criteria for nonane (C9) (38%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

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: 06/27/24

ORGANICS

VOLATILES

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-01

Date Collected: 06/12/24 12:55

Client ID: MW-2_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/18/24 01:19

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	3.2		ug/l	0.50	0.16	1
Toluene	0.85	J	ug/l	2.5	0.70	1
Ethylbenzene	0.80	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	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: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-01

Date Collected: 06/12/24 12:55

Client ID: MW-2_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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	0.76	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.76	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	16		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-01

Date Collected: 06/12/24 12:55

Client ID: MW-2_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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	0.84	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	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-02

Date Collected: 06/12/24 13:00

Client ID: MW-X_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/18/24 01:44

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	3.2		ug/l	0.50	0.16	1
Toluene	0.80	J	ug/l	2.5	0.70	1
Ethylbenzene	0.79	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	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: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-02

Date Collected: 06/12/24 13:00

Client ID: MW-X_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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	14		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-02

Date Collected: 06/12/24 13:00

Client ID: MW-X_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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	0.79	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	100		70-130
Dibromofluoromethane	101		70-130

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-03
 Client ID: FIELD BLANK_20240612
 Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Date Collected: 06/12/24 14:00
 Date Received: 06/13/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/18/24 02:10
 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: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-03

Date Collected: 06/12/24 14:00

Client ID: FIELD BLANK_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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: BUD NORTH**Lab Number:** L2433259**Project Number:** 200112**Report Date:** 06/27/24**SAMPLE RESULTS****Lab ID:** L2433259-03**Date Collected:** 06/12/24 14:00**Client ID:** FIELD BLANK_20240612**Date Received:** 06/13/24**Sample Location:** 54 2ND STREET, LONG ISLAND CITY, NY 11101**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	102		70-130

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-04

Date Collected: 06/12/24 00:00

Client ID: TRIP BLANK

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/18/24 02:35

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: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-04

Date Collected: 06/12/24 00:00

Client ID: TRIP BLANK

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-04

Date Collected: 06/12/24 00:00

Client ID: TRIP BLANK

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-05

Date Collected: 06/12/24 14:30

Client ID: MW-1_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/18/24 03:01

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	3.2		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	0.85	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	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: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-05

Date Collected: 06/12/24 14:30

Client ID: MW-1_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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	0.70	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.70	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	20		ug/l	2.5	0.70	1

Project Name: BUD NORTH**Lab Number:** L2433259**Project Number:** 200112**Report Date:** 06/27/24**SAMPLE RESULTS****Lab ID:** L2433259-05**Date Collected:** 06/12/24 14:30**Client ID:** MW-1_20240612**Date Received:** 06/13/24**Sample Location:** 54 2ND STREET, LONG ISLAND CITY, NY 11101**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	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-06

Date Collected: 06/12/24 16:55

Client ID: MW-3_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 06/18/24 03:26

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: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-06

Date Collected: 06/12/24 16:55

Client ID: MW-3_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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	10		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: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

SAMPLE RESULTS

Lab ID: L2433259-06

Date Collected: 06/12/24 16:55

Client ID: MW-3_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

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	102		70-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/17/24 21:06
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1935961-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/17/24 21:06
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1935961-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/17/24 21:06
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1935961-5					
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	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1935961-3 WG1935961-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	93		99		63-132	6		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	88		91		63-130	3		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	96		100		70-130	4		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	73		76		54-136	4		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		120		70-130	9		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	65		69		39-139	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1935961-3 WG1935961-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	140	Q	140	Q	55-138	0		20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	96		98		63-130	2		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	120		110		58-148	9		20
Carbon disulfide	110		120		51-130	9		20
2-Butanone	100		110		63-138	10		20
Vinyl acetate	130		130		70-130	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	100		110		57-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1935961-3 WG1935961-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	97		110		70-130	13		20
1,3-Dichloropropane	110		120		70-130	9		20
1,1,1,2-Tetrachloroethane	95		98		64-130	3		20
Bromobenzene	99		100		70-130	1		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	110		120		70-130	9		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	86		91		41-144	6		20
Hexachlorobutadiene	84		90		63-130	7		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	93		98		70-130	5		20
n-Propylbenzene	110		120		69-130	9		20
1,2,3-Trichlorobenzene	92		98		70-130	6		20
1,2,4-Trichlorobenzene	91		97		70-130	6		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	92		94		56-162	2		20
p-Diethylbenzene	99		100		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1935961-3 WG1935961-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	94		98		70-130	4		20
Ethyl ether	99		110		59-134	11		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	112		111		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	95		94		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

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): 01-06 QC Batch ID: WG1935961-6 WG1935961-7 QC Sample: L2433259-05 Client ID: MW-1_20240612												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	13	130		12	120		70-130	8		20
Chloroform	ND	10	12	120		12	120		70-130	0		20
Carbon tetrachloride	ND	10	10	100		10	100		63-132	0		20
1,2-Dichloropropane	ND	10	12	120		12	120		70-130	0		20
Dibromochloromethane	ND	10	8.3	83		8.2	82		63-130	1		20
1,1,2-Trichloroethane	ND	10	11	110		11	110		70-130	0		20
Tetrachloroethene	ND	10	10	100		10	100		70-130	0		20
Chlorobenzene	ND	10	11	110		11	110		75-130	0		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		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		10	100		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.6	96		9.4	94		70-130	2		20
cis-1,3-Dichloropropene	ND	10	9.5	95		9.4	94		70-130	1		20
1,1-Dichloropropene	ND	10	12	120		12	120		70-130	0		20
Bromoform	ND	10	6.4	64		6.3	63		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	100		67-130	0		20
Benzene	3.2	10	16	128		16	128		70-130	0		20
Toluene	ND	10	12	120		12	120		70-130	0		20
Ethylbenzene	0.85J	10	13	130		13	130		70-130	0		20
Chloromethane	ND	10	12	120		12	120		64-130	0		20
Bromomethane	ND	10	3.8	38	Q	4.1	41		39-139	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

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): 01-06 QC Batch ID: WG1935961-6 WG1935961-7 QC Sample: L2433259-05 Client ID: MW-1_20240612												
Vinyl chloride	ND	10	13	130		13	130		55-140	0		20
Chloroethane	ND	10	16	160	Q	16	160	Q	55-138	0		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		20
trans-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Trichloroethene	ND	10	11	110		11	110		70-130	0		20
1,2-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,3-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,4-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
Methyl tert butyl ether	ND	10	9.2	92		9.4	94		63-130	2		20
p/m-Xylene	0.70J	20	24	120		24	120		70-130	0		20
o-Xylene	ND	20	24	120		23	115		70-130	4		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	10	100		11	110		64-130	10		20
Acrylonitrile	ND	10	10	100		10	100		70-130	0		20
Styrene	ND	20	22	110		22	110		70-130	0		20
Dichlorodifluoromethane	ND	10	11	110		11	110		36-147	0		20
Acetone	ND	10	11	110		13	130		58-148	17		20
Carbon disulfide	ND	10	13	130		11	110		51-130	17		20
2-Butanone	ND	10	11	110		11	110		63-138	0		20
Vinyl acetate	ND	10	12	120		10	100		70-130	18		20
4-Methyl-2-pentanone	ND	10	9.9	99		10	100		59-130	1		20
2-Hexanone	ND	10	9.9	99		10	100		57-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

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): 01-06 QC Batch ID: WG1935961-6 WG1935961-7 QC Sample: L2433259-05 Client ID: MW-1_20240612												
Bromochloromethane	ND	10	10	100		10	100		70-130	0		20
2,2-Dichloropropane	ND	10	11	110		11	110		63-133	0		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,3-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	9.2	92		9.2	92		64-130	0		20
Bromobenzene	ND	10	10	100		10	100		70-130	0		20
n-Butylbenzene	ND	10	12	120		12	120		53-136	0		20
sec-Butylbenzene	ND	10	12	120		12	120		70-130	0		20
tert-Butylbenzene	ND	10	11	110		12	120		70-130	9		20
o-Chlorotoluene	ND	10	12	120		12	120		70-130	0		20
p-Chlorotoluene	ND	10	12	120		12	120		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	6.8	68		7.1	71		41-144	4		20
Hexachlorobutadiene	ND	10	8.8	88		9.3	93		63-130	6		20
Isopropylbenzene	ND	10	12	120		12	120		70-130	0		20
p-Isopropyltoluene	ND	10	12	120		12	120		70-130	0		20
Naphthalene	20	10	35	150	Q	36	160	Q	70-130	3		20
n-Propylbenzene	ND	10	12	120		13	130		69-130	8		20
1,2,3-Trichlorobenzene	ND	10	9.3	93		9.8	98		70-130	5		20
1,2,4-Trichlorobenzene	ND	10	9.5	95		9.8	98		70-130	3		20
1,3,5-Trimethylbenzene	ND	10	12	120		12	120		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	12	120		12	120		70-130	0		20
1,4-Dioxane	ND	500	450	90		470	94		56-162	4		20
p-Diethylbenzene	ND	10	11	110		12	120		70-130	9		20

Matrix Spike Analysis*Batch Quality Control***Project Name:** BUD NORTH**Project Number:** 200112**Lab Number:** L2433259**Report Date:** 06/27/24

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): 01-06 QC Batch ID: WG1935961-6 WG1935961-7 QC Sample: L2433259-05 Client ID: MW-1_20240612												
p-Ethyltoluene	ND	10	12	120		12	120		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	10	100		10	100		70-130	0		20
Ethyl ether	ND	10	9.6	96		9.9	99		59-134	3		20
trans-1,4-Dichloro-2-butene	ND	10	1.4J	14	Q	1.4J	14	Q	70-130	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		108		70-130
4-Bromofluorobenzene	100		103		70-130
Dibromofluoromethane	93		92		70-130
Toluene-d8	101		101		70-130

PETROLEUM HYDROCARBONS

Project Name: BUD NORTH**Lab Number:** L2433259**Project Number:** 200112**Report Date:** 06/27/24**SAMPLE RESULTS**

Lab ID: L2433259-01

Date Collected: 06/12/24 12:55

Client ID: MW-2_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8015D(M)

Extraction Date: 06/17/24 15:19

Analytical Date: 06/20/24 13:45

Analyst: AMV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	324		ug/l	32.4	27.2	1
DRO (C10-C28)	288		ug/l	29.4	18.6	1
ORO (C28-C40)	18.5		ug/l	10.8	2.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	62		50-130
d50-Tetracosane	70		50-130

Project Name: BUD NORTH**Lab Number:** L2433259**Project Number:** 200112**Report Date:** 06/27/24**SAMPLE RESULTS**

Lab ID: L2433259-02

Date Collected: 06/12/24 13:00

Client ID: MW-X_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8015D(M)

Extraction Date: 06/17/24 15:19

Analytical Date: 06/20/24 15:13

Analyst: AMV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	305		ug/l	31.1	26.1	1
DRO (C10-C28)	304		ug/l	28.3	17.9	1
ORO (C28-C40)	10.8		ug/l	10.4	2.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	65		50-130
d50-Tetracosane	72		50-130

Project Name: BUD NORTH**Lab Number:** L2433259**Project Number:** 200112**Report Date:** 06/27/24**SAMPLE RESULTS**

Lab ID: L2433259-03

Date Collected: 06/12/24 14:00

Client ID: FIELD BLANK_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8015D(M)

Extraction Date: 06/17/24 15:19

Analytical Date: 06/20/24 16:41

Analyst: AMV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	32.4	27.2	1
DRO (C10-C28)	ND		ug/l	29.4	18.6	1
ORO (C28-C40)	ND		ug/l	10.8	2.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		50-130
d50-Tetracosane	77		50-130

Project Name: BUD NORTH**Lab Number:** L2433259**Project Number:** 200112**Report Date:** 06/27/24**SAMPLE RESULTS**

Lab ID: L2433259-05

Date Collected: 06/12/24 14:30

Client ID: MW-1_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8015D(M)

Extraction Date: 06/17/24 15:19

Analytical Date: 06/20/24 18:10

Analyst: AMV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	223		ug/l	31.1	26.1	1
DRO (C10-C28)	213		ug/l	28.3	17.9	1
ORO (C28-C40)	10.1	J	ug/l	10.4	2.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	59		50-130
d50-Tetracosane	65		50-130

Project Name: BUD NORTH**Lab Number:** L2433259**Project Number:** 200112**Report Date:** 06/27/24**SAMPLE RESULTS**

Lab ID: L2433259-06

Date Collected: 06/12/24 16:55

Client ID: MW-3_20240612

Date Received: 06/13/24

Sample Location: 54 2ND STREET, LONG ISLAND CITY, NY 11101

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8015D(M)

Extraction Date: 06/17/24 15:19

Analytical Date: 06/20/24 22:33

Analyst: AMV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	39.2		ug/l	33.7	28.3	1
DRO (C10-C28)	75.8		ug/l	30.6	19.4	1
ORO (C28-C40)	ND		ug/l	11.2	2.80	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66		50-130
d50-Tetracosane	73		50-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 06/19/24 18:50
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 06/17/24 15:19

Parameter	Result	Qualifier	Units	RL	MDL
Diesel/Other Range Organics by GC-FID - Mansfield Lab for sample(s): 01-03,05-06 Batch: WG1935240-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	33.0	27.7
DRO (C10-C28)	ND		ug/l	30.0	19.0
ORO (C28-C40)	ND		ug/l	11.0	2.74

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		50-130
d50-Tetracosane	77		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Associated sample(s): 01-03,05-06 Batch: WG1935240-2 WG1935240-3								
Nonane (C9)	58		59		50-130	2		30
Decane (C10)	66		67		50-130	2		30
Dodecane (C12)	80		80		50-130	0		30
Tetradecane (C14)	89		92		50-130	3		30
Hexadecane (C16)	97		100		50-130	3		30
Octadecane (C18)	101		103		50-130	2		30
Nonadecane (C19)	104		107		50-130	3		30
Eicosane (C20)	102		104		50-130	2		30
Docosane (C22)	99		100		50-130	1		30
Tetracosane (C24)	106		107		50-130	1		30
Hexacosane (C26)	100		100		50-130	0		30
Octacosane (C28)	100		100		50-130	0		30
Triacontane (C30)	99		100		50-130	1		30
Hexatriacontane (C36)	88		87		50-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	88		87		50-130
d50-Tetracosane	98		98		50-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2433259

Report Date: 06/27/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab 05 Client ID: MW-1_20240612 Associated sample(s): 01-03,05-06 QC Batch ID: WG1935240-4 WG1935240-5 QC Sample: L2433259-												
Nonane (C9)	ND	240	121	50		89.3	38	Q	50-150	30		30
Decane (C10)	ND	240	173	72		131	55		50-150	28		30
Dodecane (C12)	1.91	240	235E	97		192E	81		50-150	20		30
Tetradecane (C14)	ND	240	250E	104		210E	89		50-150	18		30
Hexadecane (C16)	5.55	240	259E	105		218E	90		50-150	17		30
Octadecane (C18)	13.9	240	271E	107		228E	91		50-150	17		30
Nonadecane (C19)	ND	240	353E	147		293E	124		50-150	19		30
Eicosane (C20)	0.235	240	267E	111		226.E	96		50-150	17		30
Docosane (C22)	ND	240	258E	107		219E	93		50-150	16		30
Tetracosane (C24)	ND	240	273E	114		232E	98		50-150	16		30
Hexacosane (C26)	ND	240	257E	107		218E	93		50-150	16		30
Octacosane (C28)	3.29	240	262E	108		223E	93		50-150	16		30
Triacontane (C30)	ND	240	254E	106		215E	91		50-150	17		30
Hexatriacontane (C36)	ND	240	221E	92		182	77		50-150	19		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
d50-Tetracosane	106		90		50-130
o-Terphenyl	67		58		50-130

Project Name: BUD NORTH**Lab Number:** L2433259**Project Number:** 200112**Report Date:** 06/27/24**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(*)
L2433259-01A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-01B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-01C	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-01D	Amber 1000ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-01E	Amber 1000ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-02A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-02B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-02C	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-02D	Amber 1000ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-02E	Amber 1000ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-03A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-03B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-03C	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-03D	Amber 1000ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-03E	Amber 1000ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-04A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-04B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-05A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-05A1	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-05A2	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2433259-05B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-05B1	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:06272415:00
Lab Number: L2433259
Report Date: 06/27/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2433259-05B2	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2433259-05C	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-05C1	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2433259-05C2	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2433259-05D	Amber 1000ml unpreserved	A	7	7	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-05D1	Amber 1000ml unpreserved	A	7	7	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-05E	Amber 1000ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-05E1	Amber 1000ml unpreserved	B	7	7	3.3	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-05F	Amber 1000ml unpreserved	A	7	7	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-05F1	Amber 1000ml unpreserved	A	7	7	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-06A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2433259-06B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2433259-06C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260(14)
L2433259-06D	Amber 1000ml unpreserved	A	7	7	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2433259-06E	Amber 1000ml unpreserved	A	7	7	2.1	Y	Absent		A2-TPHDRO/ORO(7)

Project Name: BUD NORTH

Lab Number: L2433259

Project Number: 200112

Report Date: 06/27/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2433259
Report Date: 06/27/24

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, 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, 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 1 of 1		Date Rec'd in Lab 6/13/24		ALPHA Job # L2433259																																																																																																																																																																																																																																																																	
			Project Information Project Name: Bud North Project Location: 57 2nd Street, Long Island City, 11101 Project # 200112 (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: AKRF Address: 440 Park Ave South, 7th FL. NY, NY 10016 Phone: Fax: Email: jdiggins@akrf.com		Project Manager: Patrick Diggins 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: Cat B EQUIS deliverables; close SDG Please specify Metals or TAL.					ANALYSIS <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <th style="width:10%;">VOCs - 8260D</th> <th style="width:10%;">TPH - 8260 - 8015D</th> <th style="width:10%;">TPH - DRD - 8015D</th> <th style="width:10%;">Trip Blank 8260D</th> <th style="width:10%;"> </th> <th style="width:10%;"> </th> <th style="width:10%;"> </th> <th style="width:10%;"> </th> <th style="width:10%;"> </th> <th style="width:10%;"> </th> </tr> <tr> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				VOCs - 8260D	TPH - 8260 - 8015D	TPH - DRD - 8015D	Trip Blank 8260D							X	X	X								X	X	X								X	X	X											X							X	X	X								X	X	X																																																																																																																																																																																																	
VOCs - 8260D	TPH - 8260 - 8015D	TPH - DRD - 8015D	Trip Blank 8260D																																																																																																																																																																																																																																																																					
X	X	X																																																																																																																																																																																																																																																																						
X	X	X																																																																																																																																																																																																																																																																						
X	X	X																																																																																																																																																																																																																																																																						
			X																																																																																																																																																																																																																																																																					
X	X	X																																																																																																																																																																																																																																																																						
X	X	X																																																																																																																																																																																																																																																																						
<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th rowspan="2" style="width:15%;">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2" style="width:20%;">Sample ID</th> <th colspan="2" style="width:15%;">Collection</th> <th rowspan="2" style="width:10%;">Sample Matrix</th> <th rowspan="2" style="width:10%;">Sampler's Initials</th> <th colspan="10" style="width:30%;"> </th> </tr> <tr> <th style="width:10%;">Date</th> <th style="width:5%;">Time</th> <th colspan="10"> </th> </tr> </thead> <tbody> <tr> <td>33259-01</td> <td>MW-2-20240612</td> <td>6/12/24</td> <td>12:55</td> <td>GW</td> <td>MI</td> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-02</td> <td>MW-X-20240612</td> <td>6/12/24</td> <td>1300</td> <td>GW</td> <td>MI</td> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-03</td> <td>Field Blank-20240612</td> <td>6/12/24</td> <td>1400</td> <td>GW</td> <td>MI</td> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-04</td> <td>Trip Blank ~~20240612~~</td> <td>6/12/24</td> <td>—</td> <td>W</td> <td>~~MI~~</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-05</td> <td>MW-1-20240612</td> <td>6/12/24</td> <td>1430</td> <td>GW</td> <td>MI</td> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-06</td> <td>MW-3-20240612</td> <td>6/12/24</td> <td>1655</td> <td>GW</td> <td>MI</td> <td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>					ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials											Date	Time											33259-01	MW-2-20240612	6/12/24	12:55	GW	MI	X	X	X											-02	MW-X-20240612	6/12/24	1300	GW	MI	X	X	X											-03	Field Blank-20240612	6/12/24	1400	GW	MI	X	X	X											-04	Trip Blank ~~20240612~~	6/12/24	—	W	~~MI~~														-05	MW-1-20240612	6/12/24	1430	GW	MI	X	X	X											-06	MW-3-20240612	6/12/24	1655	GW	MI	X	X	X																																																																																																																													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																																																																																																																																																																																																																																																																	
		Date	Time																																																																																																																																																																																																																																																																					
33259-01	MW-2-20240612	6/12/24	12:55	GW	MI	X	X	X																																																																																																																																																																																																																																																																
-02	MW-X-20240612	6/12/24	1300	GW	MI	X	X	X																																																																																																																																																																																																																																																																
-03	Field Blank-20240612	6/12/24	1400	GW	MI	X	X	X																																																																																																																																																																																																																																																																
-04	Trip Blank ~~20240612~~	6/12/24	—	W	~~MI~~																																																																																																																																																																																																																																																																			
-05	MW-1-20240612	6/12/24	1430	GW	MI	X	X	X																																																																																																																																																																																																																																																																
-06	MW-3-20240612	6/12/24	1655	GW	MI	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 1000 ML 1000 ML 1000 ML		Preservative HCL None None		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: Mike Gentes K Swa (NISC) Paul Macgillivray Christina Park		Date/Time 6/13/24 0821 6/13/24 1222 6/13/24 6/13/24 2305		Received By: K Swa (NISC) Paul Macgillivray Christina Park CUT		Date/Time 6/13/24 6/13/24 1628 6/13/24 2305																																																																																																																																																																																																																																																																		

July 30, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2433259

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Alpha Analytical for four water samples, one field blank and one trip blank from the Bud North site, which were reported in a single data package under Job No. L2433259 has been completed. The following samples were reported:

MW-2_20240612	MW-X_20240612
FIELD BLANK_20240612	TRIP BLANK
MW-1_20240612	MW-3_20240612

Analyses were performed in accordance with USEPA Methods 8260D (Volatile Organics) and 8015D (Total Petroleum Hydrocarbons). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes

6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

Volatile Organics

- The results for bromomethane and bromoform in all samples are qualified as estimated (UJ) due to low response in the CCV and low recovery in the LCS and LCSD.
- The results for bromomethane, bromoform, 1,2-dibromo-3-chloropropane and trans-1,4-dichloro-2-butene in MW-1_20240612 are qualified as estimated (UJ) due to low recovery in the MS and/or MSD.
- The result for naphthalene in MW-2_20240612, MW-X_20240612, MW-1_20240612 and MW-3_20240612 are qualified as estimated (J, UJ) due to imprecision in field duplicate samples.

Total Petroleum Hydrocarbons

- The result for TPH in MW-1_20240612 is qualified as estimated (J-) due to low recovery of nonane (C9) in the MSD.
- The results for TPH and DRO in MW-2_20240612, MW-X_20240612, MW-1_20240612 and MW-3_20240612 are qualified as estimated (J, UJ) due to imprecision in field duplicate samples.
- The result for TPH (C9-C44) in samples MW-X_20240612, MW-1_20240612 and MW-3_20240612 are qualified as estimated (J-) and may be biased low due to improper integration of carbon ranges.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions

- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Clean Canister Certification
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Improper edits were observed on the chain of custody (COC). Edits should be made by drawing a single line through the entry error, dated and initialed by the person making the edit.

The electronic data deliverable (EDD) reports the petroleum hydrocarbon results differently than in the data package, as follows:

Analyte	Data Package	EDD
TPH	TPH (C9-C44)	DROD (C9-C40)
ORO	ORO (C28-C40)	C28-C40 PHC

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting a sample collection date of June 12, 2024. The samples were received at the laboratory on June 13, 2024. All samples were received intact and analyzed within method holding time.

A. Volatile Organics***Calibration***

One initial calibration (IC) was performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%D$). One CCV was analyzed in support of sample analysis. All percent differences ($\%Ds$) are acceptable ($\leq 20\%D$) with the exceptions noted below.

Analyte	%D	Associated Sample	Qualifier Applied
<i>CCV VOA105 06/17/24 19:25</i>			
Bromomethane	34.9	MW-2_20240612	UJ
Bromoform	26.7	MW-X_20240612	
		FIELD BLANK_20240612	
		TRIP BLANK	
		MW-1_20240612	
		MW-3_20240612	

In all instances, the percent difference represents a decrease in instrument sensitivity. The results for bromomethane and bromoform in all samples are qualified as estimated (UJ) due to low response in the CCV.

Laboratory Control Sample (LCS) / LCS Duplicate (LCS)

One LCS/LCSD pair was analyzed in support of sample analysis. The LCS/LCSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
<i>LCS WG1935961-3 & 4</i>				
Bromomethane	65	69	a	MW-2_20240612
Bromoform	64	63	a	MW-X_20240612 FIELD BLANK_20240612

				TRIP BLANK MW-1_20240612 MW-3_20240612

a=acceptable

The results for bromomethane and bromoform in all samples are qualified as estimated (UJ) due to low recovery in the LCS and LCSD.

Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-1_20240612. The MS/MSD is evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 30. All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Bromomethane	38	41	a
Bromoform	64	63	a
1,2-Dibromo-3-chloropropane	68	a	a
trans-1,4-Dichloro-2-butene	14	14	a

a=acceptable

The results for bromomethane, bromoform, 1,2-dibromo-3-chloropropane and trans-1,4-dichloro-2-butene in MW-1_20240612 are qualified as estimated (UJ) due to low recovery in the MS and/or MSD.

Field Duplicates

MW-X_20240612 was submitted as a field duplicate of MW-1_20240612. Precision between paired samples is acceptable (RPD ≤ 30) as presented below. Sample results less than the reporting limit are not evaluated for precision.

Analyte	MW-1_20240612ug/L	MW-X_20240612 (ug/L)	RPD
Benzene	3.2	3.2	0
Toluene	ND	0.80 (J)	nc
Ethylbenzene	0.85 (J)	0.79 (J)	nc
p/m-Xylene	0.70 (J)	ND	nc
Naphthalene	20	14	35
1,2,4-Trimethylbenzene	ND	0.79 (J)	nc

nc-not calculated

ND-not detected

The result for naphthalene in MW-2_20240612, MW-X_20240612, MW-1_20240612 and MW-3_20240612 are qualified as estimated (J, UJ) due to imprecision if field duplicate samples.

B. Total Petroleum Hydrocarbons

Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-1_20240612. The MS/MSD is evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Nonane (C9)	a	38	a

a=acceptable

The result for TPH in MW-1_20240612 is qualified as estimated (J-) due to low recovery of nonane in the MSD.

Quantitation

The laboratory reported TPH (C9-C44), DRO (C10-C28) and ORO (C28-C40). As such, the concentration of TPH (C9-C44), which has the largest carbon range, should be greater than the sum of DRO and ORO. However, this is not the case for samples MW-X_20240612, MW-1_20240612 and MW-3_20240612. The laboratory was contacted and replied: *'Each range is calculated by taking the area between the stated alkanes, subtracting the area of the same range found in its instrument blank, then using the resulting area to calculate the amount reported. Each sample uses one instrument blank for all of its ranges, and while the best instrument blank is used, there can be some error if the baseline doesn't exactly match the samples' baseline'*. Based on professional judgment, the result for TPH (C9-C44) in samples MW-X_20240612, MW-1_20240612 and MW-3_20240612 are qualified as estimated (J-) and may be biased low due to inconsistencies in integration procedures.

Field Duplicates

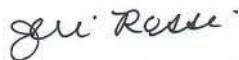
MW-X_20240612 was submitted as a field duplicate of MW-1_20240612. Precision between paired samples is acceptable (RPD ≤ 30) as presented below.

Analyte	MW-1_20240612ug/L	MW-X_20240612 (ug/L)	RPD
TPH (C9-C44)	223	305	31
DRO (C10-C28)	213	304	34
ORO (C28-C40)	10.1	10.8	6.7

The result for TPH (C9-C44) and DRO (C10-C28) in MW-2_20240612, MW-X_20240612, MW-1_20240612 and MW-3_20240612 are qualified as estimated (J, UJ) due to imprecision if field duplicate samples.

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)

ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. Lab Number : L2433259
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1935961-3 Analysis Date : 06/17/24 19:25 File ID : V05240617N01
 LCSD Sample ID : WG1935961-4 Analysis Date : 06/17/24 19:50 File ID : V05240617N02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	10	12	120	10	12	120	0	70-130	20
Chloroform	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	10	9.3	93	10	9.9	99	6	63-132	20
1,2-Dichloropropane	10	11	110	10	12	120	9	70-130	20
Dibromochloromethane	10	8.8	88	10	9.1	91	3	63-130	20
1,1,2-Trichloroethane	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	10	9.6	96	10	10	100	4	70-130	20
Chlorobenzene	10	11	110	10	11	110	0	75-130	20
Trichlorofluoromethane	10	10	100	10	11	110	10	62-150	20
1,2-Dichloroethane	10	11	110	10	12	120	9	70-130	20
1,1,1-Trichloroethane	10	10	100	10	11	110	10	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	10	100	10	11	110	10	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	10	100	0	70-130	20
1,1-Dichloropropene	10	11	110	10	11	110	0	70-130	20
Bromoform	10	7.3	73	10	7.6	76	4	54-136	20
1,1,2,2-Tetrachloroethane	10	11	110	10	11	110	0	67-130	20
Benzene	10	11	110	10	12	120	9	70-130	20
Toluene	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	10	11	110	10	11	110	0	70-130	20
Chloromethane	10	11	110	10	11	110	0	64-130	20
Bromomethane	10	6.5	65	10	6.9	69	6	39-139	20
Vinyl chloride	10	12	120	10	12	120	0	55-140	20
Chloroethane	10	14	140 Q	10	14	140 Q	0	55-138	20
1,1-Dichloroethene	10	11	110	10	12	120	9	61-145	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-1_20240612
 Lab Sample ID : L2433259-05
 Matrix Spike : WG1935961-6
 Matrix Spike Dup : WG1935961-7

Lab Number : L2433259
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 06/18/24 03:01
 MS Analysis Date : 06/18/24 05:58
 MSD Analysis Date : 06/18/24 06:23

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	ND	10	13	130	10	12	120	8	70-130	20
Chloroform	ND	10	12	120	10	12	120	0	70-130	20
Carbon tetrachloride	ND	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	ND	10	12	120	10	12	120	0	70-130	20
Dibromochloromethane	ND	10	8.3	83	10	8.2	82	1	63-130	20
1,1,2-Trichloroethane	ND	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	ND	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	ND	10	11	110	10	11	110	0	75-130	20
Trichlorofluoromethane	ND	10	12	120	10	12	120	0	62-150	20
1,2-Dichloroethane	ND	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	ND	10	12	120	10	12	120	0	67-130	20
Bromodichloromethane	ND	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	ND	10	9.6	96	10	9.4	94	2	70-130	20
cis-1,3-Dichloropropene	ND	10	9.5	95	10	9.4	94	1	70-130	20
1,1-Dichloropropene	ND	10	12	120	10	12	120	0	70-130	20
Bromoform	ND	10	6.4	64	10	6.3	63	2	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	10	100	10	10	100	0	67-130	20
Benzene	3.2	10	16	128	10	16	128	0	70-130	20
Toluene	ND	10	12	120	10	12	120	0	70-130	20
Ethylbenzene	0.85J	10	13	130	10	13	130	0	70-130	20
Chloromethane	ND	10	12	120	10	12	120	0	64-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-1_20240612
 Lab Sample ID : L2433259-05
 Matrix Spike : WG1935961-6
 Matrix Spike Dup : WG1935961-7

Lab Number : L2433259
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 06/18/24 03:01
 MS Analysis Date : 06/18/24 05:58
 MSD Analysis Date : 06/18/24 06:23

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			%R	Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit	
		Spike Added (ug/l)	Spike Conc. (ug/l)			Spike Added (ug/l)	Spike Conc. (ug/l)	%R				
Bromomethane	ND	10	3.8	38	Q	10	4.1	41	8	39-139	20	
Vinyl chloride	ND	10	13	130		10	13	130	0	55-140	20	
Chloroethane	ND	10	16	160	Q	10	16	160	Q	0	55-138	20
1,1-Dichloroethene	ND	10	12	120		10	12	120	0	61-145	20	
trans-1,2-Dichloroethene	ND	10	12	120		10	12	120	0	70-130	20	
Trichloroethene	ND	10	11	110		10	11	110	0	70-130	20	
1,2-Dichlorobenzene	ND	10	11	110		10	11	110	0	70-130	20	
1,3-Dichlorobenzene	ND	10	11	110		10	11	110	0	70-130	20	
1,4-Dichlorobenzene	ND	10	11	110		10	11	110	0	70-130	20	
Methyl tert butyl ether	ND	10	9.2	92		10	9.4	94	2	63-130	20	
p/m-Xylene	0.70J	20	24	120		20	24	120	0	70-130	20	
o-Xylene	ND	20	24	120		20	23	115	4	70-130	20	
cis-1,2-Dichloroethene	ND	10	11	110		10	11	110	0	70-130	20	
Dibromomethane	ND	10	10	100		10	10	100	0	70-130	20	
1,2,3-Trichloropropane	ND	10	10	100		10	11	110	10	64-130	20	
Acrylonitrile	ND	10	10	100		10	10	100	0	70-130	20	
Styrene	ND	20	22	110		20	22	110	0	70-130	20	
Dichlorodifluoromethane	ND	10	11	110		10	11	110	0	36-147	20	
Acetone	ND	10	11	110		10	13	130	17	58-148	20	
Carbon disulfide	ND	10	13	130		10	11	110	17	51-130	20	
2-Butanone	ND	10	11	110		10	11	110	0	63-138	20	
Vinyl acetate	ND	10	12	120		10	10	100	18	70-130	20	



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-1_20240612
 Lab Sample ID : L2433259-05
 Matrix Spike : WG1935961-6
 Matrix Spike Dup : WG1935961-7

Lab Number : L2433259
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 06/18/24 03:01
 MS Analysis Date : 06/18/24 05:58
 MSD Analysis Date : 06/18/24 06:23

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
4-Methyl-2-pentanone	ND	10	9.9	99	10	10	100	1	59-130	20
2-Hexanone	ND	10	9.9	99	10	10	100	1	57-130	20
Bromochloromethane	ND	10	10	100	10	10	100	0	70-130	20
2,2-Dichloropropane	ND	10	11	110	10	11	110	0	63-133	20
1,2-Dibromoethane	ND	10	10	100	10	10	100	0	70-130	20
1,3-Dichloropropane	ND	10	11	110	10	11	110	0	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.2	92	10	9.2	92	0	64-130	20
Bromobenzene	ND	10	10	100	10	10	100	0	70-130	20
n-Butylbenzene	ND	10	12	120	10	12	120	0	53-136	20
sec-Butylbenzene	ND	10	12	120	10	12	120	0	70-130	20
tert-Butylbenzene	ND	10	11	110	10	12	120	9	70-130	20
o-Chlorotoluene	ND	10	12	120	10	12	120	0	70-130	20
p-Chlorotoluene	ND	10	12	120	10	12	120	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	6.8	68	10	7.1	71	4	41-144	20
Hexachlorobutadiene	ND	10	8.8	88	10	9.3	93	6	63-130	20
Isopropylbenzene	ND	10	12	120	10	12	120	0	70-130	20
p-Isopropyltoluene	ND	10	12	120	10	12	120	0	70-130	20
Naphthalene	20	10	35	150 Q	10	36	160 Q	3	70-130	20
n-Propylbenzene	ND	10	12	120	10	13	130	8	69-130	20
1,2,3-Trichlorobenzene	ND	10	9.3	93	10	9.8	98	5	70-130	20
1,2,4-Trichlorobenzene	ND	10	9.5	95	10	9.8	98	3	70-130	20
1,3,5-Trimethylbenzene	ND	10	12	120	10	12	120	0	64-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-1_20240612
 Lab Sample ID : L2433259-05
 Matrix Spike : WG1935961-6
 Matrix Spike Dup : WG1935961-7

Lab Number : L2433259
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 06/18/24 03:01
 MS Analysis Date : 06/18/24 05:58
 MSD Analysis Date : 06/18/24 06:23

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
1,2,4-Trimethylbenzene	ND	10	12	120	10	12	120	0	70-130	20
1,4-Dioxane	ND	500	450	90	500	470	94	4	56-162	20
p-Diethylbenzene	ND	10	11	110	10	12	120	9	70-130	20
p-Ethyltoluene	ND	10	12	120	10	12	120	0	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	10	100	10	10	100	0	70-130	20
Ethyl ether	ND	10	9.6	96	10	9.9	99	3	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	1.4J	14 Q	10	1.4J	14 Q	0	70-130	20



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : VOA105
 Lab File ID : V05240617N01
 Sample No : WG1935961-2
 Channel :

Lab Number : L2433259
 Project Number : 200112
 Calibration Date : 06/17/24 19:25
 Init. Calib. Date(s) : 06/03/24 06/04/24
 Init. Calib. Times : 21:44 01:58

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	62	0
Dichlorodifluoromethane	0.333	0.336	-	-0.9	20	65	0
Chloromethane	0.255	0.271	-	-6.3	20	69	0
Vinyl chloride	0.328	0.385	-	-17.4	20	74	0
Bromomethane	0.186	0.121	-	34.9*	20	43	0
Chloroethane	0.205	0.281	-	-37.1*	20	81	.01
Trichlorofluoromethane	0.524	0.556	-	-6.1	20	67	0
Ethyl ether	0.129	0.127	-	1.6	20	64	0
1,1-Dichloroethene	0.261	0.276	-	-5.7	20	65	0
Carbon disulfide	0.871	0.98	-	-12.5	20	72	0
Freon-113	0.296	0.324	-	-9.5	20	68	0
Acrolein	0.027	0.026	-	3.7	20	64	-.01
Methylene chloride	0.261	0.282	-	-8	20	71	0
Acetone	0.037	0.043	-	-16.2	20	75	0
trans-1,2-Dichloroethene	0.255	0.268	-	-5.1	20	67	0
Methyl acetate	0.092	0.098	-	-6.5	20	69	0
Methyl tert-butyl ether	0.549	0.526	-	4.2	20	60	0
tert-Butyl alcohol	0.013	0.011	-	15.4	20	56	0
Diisopropyl ether	0.693	0.742	-	-7.1	20	68	0
1,1-Dichloroethane	0.45	0.522	-	-16	20	73	0
Halothane	0.205	0.212	-	-3.4	20	65	-.01
Acrylonitrile	0.046	0.052	-	-13	20	72	0
Ethyl tert-butyl ether	0.66	0.648	-	1.8	20	62	0
Vinyl acetate	0.331	0.435	-	-31.4*	20	93	0
cis-1,2-Dichloroethene	0.284	0.3	-	-5.6	20	66	-.01
2,2-Dichloropropane	0.395	0.444	-	-12.4	20	71	0
Bromochloromethane	0.132	0.134	-	-1.5	20	63	0
Cyclohexane	0.443	0.507	-	-14.4	20	74	0
Chloroform	0.454	0.495	-	-9	20	68	0
Ethyl acetate	0.143	0.144	-	-0.7	20	67	0
Carbon tetrachloride	0.404	0.375	-	7.2	20	58	0
Tetrahydrofuran	0.042	0.042	-	0	20	68	0
Dibromofluoromethane	0.273	0.26	-	4.8	20	60	0
1,1,1-Trichloroethane	0.429	0.452	-	-5.4	20	66	0
2-Butanone	0.056	0.058	-	-3.6	20	65	0
1,1-Dichloropropene	0.35	0.381	-	-8.9	20	70	0
Benzene	0.991	1.121	-	-13.1	20	71	0
tert-Amyl methyl ether	0.594	0.537	-	9.6	20	57	0
1,2-Dichloroethane-d4	0.281	0.315	-	-12.1	20	67	0
1,2-Dichloroethane	0.298	0.336	-	-12.8	20	70	0
Methyl cyclohexane	0.466	0.491	-	-5.4	20	68	0
Trichloroethene	0.283	0.29	-	-2.5	20	67	0
Dibromomethane	0.142	0.148	-	-4.2	20	65	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : VOA105
 Lab File ID : V05240617N01
 Sample No : WG1935961-2
 Channel :

Lab Number : L2433259
 Project Number : 200112
 Calibration Date : 06/17/24 19:25
 Init. Calib. Date(s) : 06/03/24 06/04/24
 Init. Calib. Times : 21:44 01:58

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.244	0.273	-	-11.9	20	71	0
Bromodichloromethane	0.347	0.348	-	-0.3	20	65	0
1,4-Dioxane	0.00152	0.00142*	-	6.6	20	60	0
cis-1,3-Dichloropropene	0.399	0.405	-	-1.5	20	65	0
Chlorobenzene-d5	1	1	-	0	20	61	0
Toluene-d8	1.243	1.286	-	-3.5	20	62	0
Toluene	0.826	0.905	-	-9.6	20	68	0
4-Methyl-2-pentanone	0.062	0.063	-	-1.6	20	58	0
Tetrachloroethene	0.405	0.391	-	3.5	20	58	0
trans-1,3-Dichloropropene	0.421	0.441	-	-4.8	20	64	0
Ethyl methacrylate	0.26	0.25	-	3.8	20	57	0
1,1,2-Trichloroethane	0.198	0.223	-	-12.6	20	68	0
Chlorodibromomethane	0.325	0.285	-	12.3	20	54	0
1,3-Dichloropropane	0.406	0.457	-	-12.6	20	67	0
1,2-Dibromoethane	0.261	0.253	-	3.1	20	56	0
2-Hexanone	0.102	0.105	-	-2.9	20	62	0
Chlorobenzene	0.907	0.971	-	-7.1	20	65	0
Ethylbenzene	1.631	1.79	-	-9.7	20	67	0
1,1,1,2-Tetrachloroethane	0.334	0.316	-	5.4	20	57	0
p/m Xylene	0.637	0.698	-	-9.6	20	67	0
o Xylene	0.605	0.649	-	-7.3	20	65	0
Styrene	0.986	1.07	-	-8.5	20	66	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	60	0
Bromoform	0.348	0.255	-	26.7*	20	46	0
Isopropylbenzene	3.014	3.185	-	-5.7	20	66	0
4-Bromofluorobenzene	0.831	0.829	-	0.2	20	60	0
Bromobenzene	0.712	0.703	-	1.3	20	60	0
n-Propylbenzene	3.447	3.863	-	-12.1	20	69	0
1,4-Dichlorobutane	0.627	0.696	-	-11	20	71	0
1,1,2,2-Tetrachloroethane	0.481	0.518	-	-7.7	20	68	0
4-Ethyltoluene	2.842	3.074	-	-8.2	20	67	0
2-Chlorotoluene	1.947	2.165	-	-11.2	20	69	0
1,3,5-Trimethylbenzene	2.534	2.665	-	-5.2	20	65	0
1,2,3-Trichloropropane	0.383	0.429	-	-12	20	71	0
trans-1,4-Dichloro-2-buten	0.135	0.142	-	-5.2	20	62	0
4-Chlorotoluene	2.041	2.217	-	-8.6	20	68	0
tert-Butylbenzene	2.203	2.291	-	-4	20	64	0
1,2,4-Trimethylbenzene	2.457	2.547	-	-3.7	20	63	0
sec-Butylbenzene	3.17	3.428	-	-8.1	20	67	0
p-Isopropyltoluene	2.758	2.853	-	-3.4	20	63	0
1,3-Dichlorobenzene	1.365	1.427	-	-4.5	20	63	0
1,4-Dichlorobenzene	1.381	1.44	-	-4.3	20	63	0
p-Diethylbenzene	1.612	1.596	-	1	20	62	0

* Value outside of QC limits.



Matrix Spike Sample Summary

Form 3

Petroleum

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-1_20240612
 Lab Sample ID : L2433259-05
 Matrix Spike : WG1935240-4
 Matrix Spike Dup : WG1935240-5

Lab Number : L2433259
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 06/20/24 18:10
 MS Analysis Date : 06/20/24 19:38
 MSD Analysis Date : 06/20/24 21:06

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Nonane (C9)	ND	240	121	50	236	89.3	38 Q	30	50-150	30
Decane (C10)	ND	240	173	72	236	131	55	28	50-150	30
Dodecane (C12)	1.91	240	235E	97	236	192E	81	20	50-150	30
Tetradecane (C14)	ND	240	250E	104	236	210E	89	18	50-150	30
Hexadecane (C16)	5.55	240	259E	105	236	218E	90	17	50-150	30
Octadecane (C18)	13.9	240	271E	107	236	228E	91	17	50-150	30
Nonadecane (C19)	ND	240	353E	147	236	293E	124	19	50-150	30
Eicosane (C20)	0.235	240	267E	111	236	226.E	96	17	50-150	30
Docosane (C22)	ND	240	258E	107	236	219E	93	16	50-150	30
Tetracosane (C24)	ND	240	273E	114	236	232E	98	16	50-150	30
Hexacosane (C26)	ND	240	257E	107	236	218E	93	16	50-150	30
Octacosane (C28)	3.29	240	262E	108	236	223E	93	16	50-150	30
Triacontane (C30)	ND	240	254E	106	236	215E	91	17	50-150	30
Hexatriacontane (C36)	ND	240	221E	92	236	182	77	19	50-150	30





ANALYTICAL REPORT

Lab Number:	L2460992
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	BUD NORTH
Project Number:	200112
Report Date:	11/08/24

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), 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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2460992-01	MW-03_20241018	WATER	NY	10/18/24 12:40	10/18/24
L2460992-02	MW-02_20241018	WATER	NY	10/18/24 13:50	10/18/24
L2460992-03	MW-01_20241018	WATER	NY	10/18/24 15:45	10/18/24
L2460992-04	FB_20241018	WATER	NY	10/18/24 15:00	10/18/24
L2460992-05	MW-0X_20241018	WATER	NY	10/18/24 12:30	10/18/24
L2460992-06	TB_20241018	WATER	NY	10/18/24 00:00	10/18/24

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Case Narrative (continued)

Report Submission

November 08, 2024: This final report includes the results of all requested analyses.

October 30, 2024: This is a preliminary report.

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

Semivolatile Organics

The WG1988740-5 MSD recovery, performed on L2460992-03, is below the acceptance criteria for 4-nitrophenol (9%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

The WG1988204-3/-4 MS/MSD recoveries for calcium (250%/330%), potassium (MSD 127%), and sodium (0%/0%), performed on L2460992-03, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1988204-3/-4 MS/MSD recoveries, performed on L2460992-03, are outside the acceptance criteria for selenium (21%/24%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

The WG1988202-3/-4 MS/MSD recoveries for calcium (350%/450%), magnesium (MSD 150%), potassium (136%/174%) and sodium (MSD 260%), performed on L2460992-03, do not apply because the sample concentrations are greater than four times the spike amounts added.

Cyanide, Total

The WG1989134-4 MS recovery, performed on L2460992-03, is outside the acceptance criteria for cyanide, total (138%); however, the associated LCS recovery is within criteria. No further action was taken.

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Case Narrative (continued)

Chromium, Hexavalent

L2460992-03: The sample has an elevated detection limit due to the dilution required by the sample matrix. The WG1986390-4/-5 MS/MSD recoveries, performed on L2460992-03, are outside the acceptance criteria for chromium, hexavalent (37%/35%); however, the associated LCS recovery is within criteria. No further action was taken.

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:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 11/08/24

ORGANICS

VOLATILES

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/25/24 01:48
 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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 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	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 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	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/25/24 02:12
 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	2.3		ug/l	0.50	0.16	1
Toluene	0.77	J	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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 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	1.7	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	15		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 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	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/25/24 02:37
 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	4.3		ug/l	0.50	0.16	1
Toluene	0.93	J	ug/l	2.5	0.70	1
Ethylbenzene	1.1	J	ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 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	1.1	J	ug/l	2.5	0.70	1
o-Xylene	0.97	J	ug/l	2.5	0.70	1
Xylenes, Total	2.1	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	5.7		ug/l	5.0	1.5	1
Carbon disulfide	2.4	J	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	29		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 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	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 10/25/24 03:01

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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 10/25/24 03:25
 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	1.6		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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 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	2.6	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	12		ug/l	2.5	0.70	1

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 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	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-06

Date Collected: 10/18/24 00:00

Client ID: TB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 10/25/24 03:49

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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-06

Date Collected: 10/18/24 00:00

Client ID: TB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-06

Date Collected: 10/18/24 00:00

Client ID: TB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/24/24 20:08
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1988958-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/24/24 20:08
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1988958-5					
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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/24/24 20:08
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1988958-5					
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	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1988958-3 WG1988958-4								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	100		97		70-130	3		20
Chloroform	97		96		70-130	1		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	98		98		70-130	0		20
Dibromochloromethane	92		93		63-130	1		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	99		98		75-130	1		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	98		96		67-130	2		20
trans-1,3-Dichloropropene	94		92		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	89		95		54-136	7		20
1,1,2,2-Tetrachloroethane	91		95		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	100		99		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		110		64-130	9		20
Bromomethane	80		81		39-139	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1988958-3 WG1988958-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		98		70-130	1		20
Methyl tert butyl ether	92		91		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	97		93		70-130	4		20
Dibromomethane	94		94		70-130	0		20
1,2,3-Trichloropropane	90		91		64-130	1		20
Acrylonitrile	90		97		70-130	7		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	110		84		58-148	27	Q	20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		94		63-138	16		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	92		96		59-130	4		20
2-Hexanone	94		91		57-130	3		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1988958-3 WG1988958-4								
Bromochloromethane	98		99		70-130	1		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	98		98		70-130	0		20
1,1,1,2-Tetrachloroethane	96		97		64-130	1		20
Bromobenzene	99		98		70-130	1		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		99		70-130	1		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	84		93		41-144	10		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	87		92		70-130	6		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	92		96		70-130	4		20
1,2,4-Trichlorobenzene	96		96		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	86		84		56-162	2		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1988958-3 WG1988958-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		20
Ethyl ether	95		98		59-134	3		20
trans-1,4-Dichloro-2-butene	92		97		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	103		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-06 QC Batch ID: WG1988958-6 WG1988958-7 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Methylene chloride	ND	10	10	100		9.6	96		70-130	4		20
1,1-Dichloroethane	ND	10	11	110		10	100		70-130	10		20
Chloroform	ND	10	11	110		10	100		70-130	10		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	10	100		9.8	98		70-130	2		20
Dibromochloromethane	ND	10	9.7	97		9.0	90		63-130	7		20
1,1,2-Trichloroethane	ND	10	9.8	98		9.2	92		70-130	6		20
Tetrachloroethene	ND	10	11	110		9.9	99		70-130	11		20
Chlorobenzene	ND	10	10	100		9.4	94		75-130	6		20
Trichlorofluoromethane	ND	10	12	120		11	110		62-150	9		20
1,2-Dichloroethane	ND	10	11	110		10	100		70-130	10		20
1,1,1-Trichloroethane	ND	10	12	120		11	110		67-130	9		20
Bromodichloromethane	ND	10	10	100		9.8	98		67-130	2		20
trans-1,3-Dichloropropene	ND	10	9.0	90		8.5	85		70-130	6		20
cis-1,3-Dichloropropene	ND	10	9.8	98		9.5	95		70-130	3		20
1,1-Dichloropropene	ND	10	12	120		11	110		70-130	9		20
Bromoform	ND	10	9.0	90		8.7	87		54-136	3		20
1,1,2,2-Tetrachloroethane	ND	10	9.2	92		8.9	89		67-130	3		20
Benzene	4.3	10	15	107		16	117		70-130	6		20
Toluene	0.93J	10	11	110		10	100		70-130	10		20
Ethylbenzene	1.1J	10	12	120		11	110		70-130	9		20
Chloromethane	ND	10	12	120		12	120		64-130	0		20
Bromomethane	ND	10	7.6	76		7.6	76		39-139	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-06 QC Batch ID: WG1988958-6 WG1988958-7 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Vinyl chloride	ND	10	13	130		12	120		55-140	8		20
Chloroethane	ND	10	12	120		11	110		55-138	9		20
1,1-Dichloroethene	ND	10	13	130		11	110		61-145	17		20
trans-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Trichloroethene	ND	10	11	110		10	100		70-130	10		20
1,2-Dichlorobenzene	ND	10	9.8	98		9.3	93		70-130	5		20
1,3-Dichlorobenzene	ND	10	9.9	99		9.4	94		70-130	5		20
1,4-Dichlorobenzene	ND	10	9.8	98		9.2	92		70-130	6		20
Methyl tert butyl ether	ND	10	9.9	99		9.4	94		63-130	5		20
p/m-Xylene	1.1J	20	23	115		20	100		70-130	14		20
o-Xylene	0.97J	20	22	110		20	100		70-130	10		20
cis-1,2-Dichloroethene	ND	10	10	100		9.9	99		70-130	1		20
Dibromomethane	ND	10	9.9	99		9.4	94		70-130	5		20
1,2,3-Trichloropropane	ND	10	9.1	91		9.0	90		64-130	1		20
Acrylonitrile	ND	10	9.5	95		9.1	91		70-130	4		20
Styrene	ND	20	21	105		19	95		70-130	10		20
Dichlorodifluoromethane	ND	10	13	130		12	120		36-147	8		20
Acetone	5.7	10	15	93		9.8	41	Q	58-148	42	Q	20
Carbon disulfide	2.4J	10	14	140	Q	15	150	Q	51-130	7		20
2-Butanone	ND	10	11	110		9.1	91		63-138	19		20
Vinyl acetate	ND	10	9.9	99		9.4	94		70-130	5		20
4-Methyl-2-pentanone	ND	10	9.8	98		9.5	95		59-130	3		20
2-Hexanone	ND	10	9.3	93		9.0	90		57-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-06 QC Batch ID: WG1988958-6 WG1988958-7 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Bromochloromethane	ND	10	10	100		9.9	99		70-130	1		20
2,2-Dichloropropane	ND	10	11	110		10	100		63-133	10		20
1,2-Dibromoethane	ND	10	9.6	96		9.0	90		70-130	6		20
1,3-Dichloropropane	ND	10	9.9	99		9.3	93		70-130	6		20
1,1,1,2-Tetrachloroethane	ND	10	9.9	99		9.2	92		64-130	7		20
Bromobenzene	ND	10	9.7	97		9.1	91		70-130	6		20
n-Butylbenzene	ND	10	11	110		9.8	98		53-136	12		20
sec-Butylbenzene	ND	10	11	110		10	100		70-130	10		20
tert-Butylbenzene	ND	10	11	110		10	100		70-130	10		20
o-Chlorotoluene	ND	10	10	100		9.5	95		70-130	5		20
p-Chlorotoluene	ND	10	10	100		9.6	96		70-130	4		20
1,2-Dibromo-3-chloropropane	ND	10	9.0	90		9.0	90		41-144	0		20
Hexachlorobutadiene	ND	10	10	100		10	100		63-130	0		20
Isopropylbenzene	ND	10	11	110		10	100		70-130	10		20
p-Isopropyltoluene	ND	10	11	110		10	100		70-130	10		20
Naphthalene	29	10	44	150	Q	42	130		70-130	5		20
n-Propylbenzene	ND	10	11	110		9.8	98		69-130	12		20
1,2,3-Trichlorobenzene	ND	10	10	100		9.8	98		70-130	2		20
1,2,4-Trichlorobenzene	ND	10	10	100		9.9	99		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	11	110		10	100		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	11	110		10	100		70-130	10		20
1,4-Dioxane	ND	500	400	80		450	90		56-162	12		20
p-Diethylbenzene	ND	10	10	100		9.7	97		70-130	3		20

Matrix Spike Analysis*Batch Quality Control***Project Name:** BUD NORTH**Project Number:** 200112**Lab Number:** L2460992**Report Date:** 11/08/24

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): 01-06 QC Batch ID: WG1988958-6 WG1988958-7 QC Sample: L2460992-03 Client ID: MW-01_20241018												
p-Ethyltoluene	ND	10	11	110		10	100		70-130	10		20
1,2,4,5-Tetramethylbenzene	ND	10	10	100		9.7	97		70-130	3		20
Ethyl ether	ND	10	11	110		9.2	92		59-134	18		20
trans-1,4-Dichloro-2-butene	ND	10	7.8	78		7.8	78		70-130	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	105		105		70-130
Toluene-d8	101		100		70-130

SEMIVOLATILES

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 10/25/24 04:47
 Analyst: LJG

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 17:36

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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 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	45		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	75		41-149

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 10/25/24 13:45
 Analyst: RP

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 17:36

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	0.10	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.08	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	0.05	J	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	0.05	J	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	0.07	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	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-01

Date Collected: 10/18/24 12:40

Client ID: MW-03_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	116		10-120
4-Terphenyl-d14	83		41-149

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 10/25/24 05:11
 Analyst: LJG

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 17:36

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	0.83	J	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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	6.7		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	7.6		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	78		41-149

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 10/25/24 14:02
 Analyst: RP

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	4.6		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	4.6		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	7.2		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.38		ug/l	0.10	0.03	1
Benzo(a)pyrene	0.14		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.18		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	0.09	J	ug/l	0.10	0.03	1
Chrysene	0.20		ug/l	0.10	0.03	1
Acenaphthylene	0.70		ug/l	0.10	0.02	1
Anthracene	3.4		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.09	J	ug/l	0.10	0.02	1
Fluorene	9.1		ug/l	0.10	0.03	1
Phenanthrene	24		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.05	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.10	J	ug/l	0.10	0.02	1
Pyrene	3.0		ug/l	0.10	0.04	1
2-Methylnaphthalene	1.7		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-02

Date Collected: 10/18/24 13:50

Client ID: MW-02_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	100		41-149

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 10/25/24 06:22
 Analyst: LJG

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 17:36

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	0.80	J	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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	4.3		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	0.38	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	1.6	J	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	0.85	J	ug/l	2.0	0.38	1
Carbazole	6.7		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	35		10-120
4-Terphenyl-d14	74		41-149

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 10/25/24 14:52
 Analyst: RP

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.5		ug/l	0.10	0.02	1
2-Chloronaphthalene	0.03	J	ug/l	0.20	0.02	1
Fluoranthene	4.3		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	18		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.27		ug/l	0.10	0.03	1
Benzo(a)pyrene	0.15		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.19		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	0.06	J	ug/l	0.10	0.03	1
Chrysene	0.17		ug/l	0.10	0.03	1
Acenaphthylene	0.11		ug/l	0.10	0.02	1
Anthracene	2.8		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.11		ug/l	0.10	0.02	1
Fluorene	8.0		ug/l	0.10	0.03	1
Phenanthrene	21		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.03	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.11		ug/l	0.10	0.02	1
Pyrene	2.9		ug/l	0.10	0.04	1
2-Methylnaphthalene	2.2		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	0.05	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-03

Date Collected: 10/18/24 15:45

Client ID: MW-01_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	96		41-149

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270E

Extraction Date: 10/24/24 17:36

Analytical Date: 10/25/24 06:46

Analyst: LJG

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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	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	2.2	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	14.	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	31		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	61		41-149

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Client ID: FB_20241018

Sample Location: NY

Date Collected: 10/18/24 15:00

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8270E-SIM

Analytical Date: 10/25/24 12:38

Analyst: RP

Extraction Method: EPA 3510C

Extraction Date: 10/24/24 17:36

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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04
Client ID: FB_20241018
Sample Location: NY

Date Collected: 10/18/24 15:00
Date Received: 10/18/24
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	30		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	85		41-149

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E
 Analytical Date: 10/25/24 07:10
 Analyst: LJG

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 17:36

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	0.66	J	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: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	5.9		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	5.7		ug/l	2.0	0.31	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	15	Q	21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	23		10-120
4-Terphenyl-d14	70		41-149

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270E-SIM
 Analytical Date: 10/25/24 15:09
 Analyst: RP

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	3.9		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	3.7		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	6.4		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.17		ug/l	0.10	0.03	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	0.09	J	ug/l	0.10	0.03	1
Acenaphthylene	0.58		ug/l	0.10	0.02	1
Anthracene	3.1		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	8.4		ug/l	0.10	0.03	1
Phenanthrene	23		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	2.4		ug/l	0.10	0.04	1
2-Methylnaphthalene	1.6		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: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-05

Date Collected: 10/18/24 12:30

Client ID: MW-0X_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	19	Q	21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	95		41-149

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/25/24 02:49
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 17:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1988740-1					
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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/25/24 02:49
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 17:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1988740-1					
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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/25/24 02:49
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 17:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1988740-1					
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	39		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	81		41-149

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 10/25/24 09:16
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 17:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1988751-1					
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	ND		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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 10/25/24 09:16
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 17:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1988751-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	90		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1988740-2 WG1988740-3								
Acenaphthene	75		51		37-111	38	Q	30
1,2,4-Trichlorobenzene	67		49		39-98	31	Q	30
Hexachlorobenzene	73		50		40-140	37	Q	30
Bis(2-chloroethyl)ether	73		50		40-140	37	Q	30
2-Chloronaphthalene	68		48		40-140	34	Q	30
1,2-Dichlorobenzene	65		48		40-140	30		30
1,3-Dichlorobenzene	65		46		40-140	34	Q	30
1,4-Dichlorobenzene	66		48		36-97	32	Q	30
3,3'-Dichlorobenzidine	83		53		40-140	44	Q	30
2,4-Dinitrotoluene	79		52		48-143	41	Q	30
2,6-Dinitrotoluene	75		49		40-140	42	Q	30
Fluoranthene	79		51		40-140	43	Q	30
4-Chlorophenyl phenyl ether	74		49		40-140	41	Q	30
4-Bromophenyl phenyl ether	72		48		40-140	40	Q	30
Bis(2-chloroisopropyl)ether	73		54		40-140	30		30
Bis(2-chloroethoxy)methane	77		53		40-140	37	Q	30
Hexachlorobutadiene	62		45		40-140	32	Q	30
Hexachlorocyclopentadiene	50		36	Q	40-140	33	Q	30
Hexachloroethane	65		48		40-140	30		30
Isophorone	72		51		40-140	34	Q	30
Naphthalene	67		48		40-140	33	Q	30
Nitrobenzene	73		53		40-140	32	Q	30
NDPA/DPA	80		53		40-140	41	Q	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1988740-2 WG1988740-3								
n-Nitrosodi-n-propylamine	74		52		29-132	35	Q	30
Bis(2-ethylhexyl)phthalate	72		46		40-140	44	Q	30
Butyl benzyl phthalate	75		50		40-140	40	Q	30
Di-n-butylphthalate	72		46		40-140	44	Q	30
Di-n-octylphthalate	72		46		40-140	44	Q	30
Diethyl phthalate	75		51		40-140	38	Q	30
Dimethyl phthalate	72		50		40-140	36	Q	30
Benzo(a)anthracene	80		51		40-140	44	Q	30
Benzo(a)pyrene	89		57		40-140	44	Q	30
Benzo(b)fluoranthene	86		53		40-140	47	Q	30
Benzo(k)fluoranthene	89		56		40-140	46	Q	30
Chrysene	82		52		40-140	45	Q	30
Acenaphthylene	70		48		45-123	37	Q	30
Anthracene	79		51		40-140	43	Q	30
Benzo(ghi)perylene	87		54		40-140	47	Q	30
Fluorene	78		52		40-140	40	Q	30
Phenanthrene	79		52		40-140	41	Q	30
Dibenzo(a,h)anthracene	86		53		40-140	47	Q	30
Indeno(1,2,3-cd)pyrene	83		52		40-140	46	Q	30
Pyrene	80		52		26-127	42	Q	30
Biphenyl	74		51		40-140	37	Q	30
4-Chloroaniline	63		45		40-140	33	Q	30
2-Nitroaniline	74		51	Q	52-143	37	Q	30

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1988740-2 WG1988740-3								
3-Nitroaniline	80		53		25-145	41	Q	30
4-Nitroaniline	84		54		51-143	43	Q	30
Dibenzofuran	74		51		40-140	37	Q	30
2-Methylnaphthalene	70		49		40-140	35	Q	30
1,2,4,5-Tetrachlorobenzene	67		49		2-134	31	Q	30
Acetophenone	77		56		39-129	32	Q	30
2,4,6-Trichlorophenol	66		46		30-130	36	Q	30
p-Chloro-m-cresol	75		51		23-97	38	Q	30
2-Chlorophenol	70		50		27-123	33	Q	30
2,4-Dichlorophenol	71		51		30-130	33	Q	30
2,4-Dimethylphenol	66		45		30-130	38	Q	30
2-Nitrophenol	74		52		30-130	35	Q	30
4-Nitrophenol	54		39		10-80	32	Q	30
2,4-Dinitrophenol	105		92		20-130	13		30
4,6-Dinitro-o-cresol	82		60		20-164	31	Q	30
Pentachlorophenol	70		47		9-103	39	Q	30
Phenol	40		27		12-110	39	Q	30
2-Methylphenol	65		47		30-130	32	Q	30
3-Methylphenol/4-Methylphenol	65		46		30-130	34	Q	30
2,4,5-Trichlorophenol	72		48		30-130	40	Q	30
Benzoic Acid	71		68		10-164	4		30
Benzyl Alcohol	68		48		26-116	34	Q	30
Carbazole	80		52	Q	55-144	42	Q	30

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1988740-2 WG1988740-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	46		34		21-120
Phenol-d6	36		24		10-120
Nitrobenzene-d5	73		53		23-120
2-Fluorobiphenyl	68		48		15-120
2,4,6-Tribromophenol	68		47		10-120
4-Terphenyl-d14	76		49		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1988751-2 WG1988751-3								
Acenaphthene	80		76		40-140	5		40
2-Chloronaphthalene	63		61		40-140	3		40
Fluoranthene	78		72		40-140	8		40
Hexachlorobutadiene	70		71		40-140	1		40
Naphthalene	72		71		40-140	1		40
Benzo(a)anthracene	98		90		40-140	9		40
Benzo(a)pyrene	92		85		40-140	8		40
Benzo(b)fluoranthene	87		79		40-140	10		40
Benzo(k)fluoranthene	87		82		40-140	6		40
Chrysene	89		81		40-140	9		40
Acenaphthylene	69		66		40-140	4		40
Anthracene	85		80		40-140	6		40
Benzo(ghi)perylene	100		90		40-140	11		40
Fluorene	75		70		40-140	7		40
Phenanthrene	84		79		40-140	6		40
Dibenzo(a,h)anthracene	107		96		40-140	11		40
Indeno(1,2,3-cd)pyrene	108		98		40-140	10		40
Pyrene	78		71		40-140	9		40
2-Methylnaphthalene	67		66		40-140	2		40
Pentachlorophenol	129		126		40-140	2		40
Hexachlorobenzene	98		93		40-140	5		40
Hexachloroethane	75		77		40-140	3		40

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1988751-2 WG1988751-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		56		21-120
Phenol-d6	42		42		10-120
Nitrobenzene-d5	90		92		23-120
2-Fluorobiphenyl	60		58		15-120
2,4,6-Tribromophenol	146	Q	139	Q	10-120
4-Terphenyl-d14	95		87		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988740-4 WG1988740-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												
1,2,4-Trichlorobenzene	ND	20	13	65		13	65		39-98	0		30
Bis(2-chloroethyl)ether	ND	20	14	70		15	75		40-140	7		30
1,2-Dichlorobenzene	ND	20	14	70		13	65		40-140	7		30
1,3-Dichlorobenzene	ND	20	13	65		13	65		40-140	0		30
1,4-Dichlorobenzene	ND	20	13	65		13	65		36-97	0		30
3,3'-Dichlorobenzidine	ND	20	17	85		16	80		40-140	6		30
2,4-Dinitrotoluene	ND	20	16	80		16	80		48-143	0		30
2,6-Dinitrotoluene	ND	20	14	70		14	70		40-140	0		30
4-Chlorophenyl phenyl ether	ND	20	15	75		14	70		40-140	7		30
4-Bromophenyl phenyl ether	ND	20	15	75		14	70		40-140	7		30
Bis(2-chloroisopropyl)ether	ND	20	15	75		15	75		40-140	0		30
Bis(2-chloroethoxy)methane	ND	20	15	75		15	75		40-140	0		30
Hexachlorocyclopentadiene	ND	20	10.3	50		9.83	49		40-140	2		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	16	80		16	80		40-140	0		30
n-Nitrosodi-n-propylamine	ND	20	15	75		16	80		29-132	6		30
Bis(2-ethylhexyl)phthalate	ND	20	16	80		16	80		40-140	0		30
Butyl benzyl phthalate	ND	20	18	90		18	90		40-140	0		30
Di-n-butylphthalate	ND	20	16	80		16	80		40-140	0		30
Di-n-octylphthalate	ND	20	16	80		16	80		40-140	0		30
Diethyl phthalate	ND	20	16	80		16	80		40-140	0		30
Dimethyl phthalate	ND	20	15	75		15	75		40-140	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988740-4 WG1988740-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Biphenyl	0.80J	20	16	80		16	80		40-140	0		30
4-Chloroaniline	ND	20	14	70		15	75		40-140	7		30
2-Nitroaniline	ND	20	15	75		15	75		52-143	0		30
3-Nitroaniline	ND	20	16	80		16	80		25-145	0		30
4-Nitroaniline	ND	20	16	80		15	75		51-143	6		30
Dibenzofuran	4.3	20	20	79		20	79		40-140	0		30
1,2,4,5-Tetrachlorobenzene	ND	20	14	70		13	65		2-134	7		30
Acetophenone	ND	20	16	80		16	80		39-129	0		30
2,4,6-Trichlorophenol	ND	20	4.1J	21	Q	2.9J	15	Q	30-130	34	Q	30
p-Chloro-m-cresol	ND	20	12	60		13	65		23-97	8		30
2-Chlorophenol	ND	20	6.0	30		5.4	27		27-123	11		30
2,4-Dichlorophenol	ND	20	6.0	30		5.5	28	Q	30-130	9		30
2,4-Dimethylphenol	ND	20	16	80		16	80		30-130	0		30
2-Nitrophenol	ND	20	5.7J	29	Q	5.0J	25	Q	30-130	13		30
4-Nitrophenol	ND	20	3.0J	15		1.7J	9	Q	10-80	55	Q	30
2,4-Dinitrophenol	ND	20	14.J	70		13.J	65		20-130	7		30
4,6-Dinitro-o-cresol	ND	20	6.4J	32		5.2J	26		20-164	21		30
Phenol	0.38J	20	5.1	26		4.6J	23		12-110	10		30
2-Methylphenol	ND	20	14	70		14	70		30-130	0		30
3-Methylphenol/4-Methylphenol	1.6J	20	12	60		12	60		30-130	0		30
2,4,5-Trichlorophenol	ND	20	5.4	27	Q	4.1J	21	Q	30-130	27		30
Benzoic Acid	ND	20	14.J	70		14.J	70		10-164	0		30
Benzyl Alcohol	0.85J	20	16	80		16	80		26-116	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988740-4 WG1988740-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Carbazole	6.7	20	24	87		25	92		55-144	4		30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	25		19		10-120
2-Fluorobiphenyl	67		66		15-120
2-Fluorophenol	17	Q	12	Q	21-120
4-Terphenyl-d14	79		78		41-149
Nitrobenzene-d5	75		76		23-120
Phenol-d6	19		17		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988751-4 WG1988751-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Acenaphthene	5.5	20	22	83		21	78		40-140	5		40
2-Chloronaphthalene	0.03J	20	13	65		13	65		40-140	0		40
Fluoranthene	4.3	20	19	74		18	69		40-140	5		40
Hexachlorobutadiene	ND	20	14	70		13	65		40-140	7		40
Naphthalene	18	20	33	75		26	40		40-140	24		40
Benzo(a)anthracene	0.27	20	21	100		20	99		40-140	5		40
Benzo(a)pyrene	0.15	20	20	99		19	94		40-140	5		40
Benzo(b)fluoranthene	0.19	20	19	94		18	89		40-140	5		40
Benzo(k)fluoranthene	0.06J	20	18	90		17	85		40-140	6		40
Chrysene	0.17	20	18	89		17	84		40-140	6		40
Acenaphthylene	0.11	20	15	74		14	69		40-140	7		40
Anthracene	2.8	20	20	86		19	81		40-140	5		40
Benzo(ghi)perylene	0.11	20	21	100		20	99		40-140	5		40
Fluorene	8.0	20	23	75		22	70		40-140	4		40
Phenanthrene	21	20	38	85		36	75		40-140	5		40
Dibenzo(a,h)anthracene	0.03J	20	22	110		21	110		40-140	5		40
Indeno(1,2,3-cd)pyrene	0.11	20	23	110		22	110		40-140	4		40
Pyrene	2.9	20	18	76		18	76		40-140	0		40
2-Methylnaphthalene	2.2	20	16	69		15	64		40-140	6		40
Pentachlorophenol	ND	20	6.0	30	Q	3.4	17	Q	40-140	55	Q	40
Hexachlorobenzene	0.05J	20	21	110		19	95		40-140	10		40
Hexachloroethane	ND	20	16	80		15	75		40-140	6		40

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988751-4 WG1988751-5 QC Sample: L2460992-03
Client ID: MW-01_20241018

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	61		42		10-120
2-Fluorobiphenyl	63		60		15-120
2-Fluorophenol	22		16	Q	21-120
4-Terphenyl-d14	98		93		41-149
Nitrobenzene-d5	103		97		23-120
Phenol-d6	26		22		10-120



PETROLEUM HYDROCARBONS

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 10/29/24 07:01
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 10/25/24 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	119		ug/l	31.1	26.1	1
DRO (C10-C28)	115		ug/l	28.3	17.9	1
ORO (C28-C40)	22.6		ug/l	10.4	2.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		50-130
d50-Tetracosane	84		50-130

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 10/29/24 08:29
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 10/25/24 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	487		ug/l	31.1	26.1	1
DRO (C10-C28)	427		ug/l	28.3	17.9	1
ORO (C28-C40)	72.4		ug/l	10.4	2.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		50-130
d50-Tetracosane	79		50-130

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 10/29/24 09:56
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 10/25/24 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	312		ug/l	31.1	26.1	1
DRO (C10-C28)	303		ug/l	28.3	17.9	1
ORO (C28-C40)	28.8		ug/l	10.4	2.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		50-130
d50-Tetracosane	82		50-130

Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2460992**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-04

Client ID: FB_20241018

Sample Location: NY

Date Collected: 10/18/24 15:00

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8015D(M)

Analytical Date: 10/29/24 18:44

Analyst: AMV

Extraction Method: EPA 3510C

Extraction Date: 10/25/24 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	31.1	26.1	1
DRO (C10-C28)	ND		ug/l	28.3	17.9	1
ORO (C28-C40)	ND		ug/l	10.4	2.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		50-130
d50-Tetracosane	72		50-130

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8015D(M)
 Analytical Date: 10/29/24 20:12
 Analyst: AMV

Extraction Method: EPA 3510C
 Extraction Date: 10/25/24 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel/Other Range Organics by GC-FID - Mansfield Lab						
Total Petroleum Hydrocarbons (C9-C44)	330		ug/l	31.1	26.1	1
DRO (C10-C28)	294		ug/l	28.3	17.9	1
ORO (C28-C40)	42.9		ug/l	10.4	2.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		50-130
d50-Tetracosane	74		50-130

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 10/28/24 17:51
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 10/25/24 10:15

Parameter	Result	Qualifier	Units	RL	MDL
Diesel/Other Range Organics by GC-FID - Mansfield Lab for sample(s): 01-05 Batch: WG1989062-1					
Total Petroleum Hydrocarbons (C9-C44)	ND		ug/l	33.0	27.7
DRO (C10-C28)	ND		ug/l	30.0	19.0
ORO (C28-C40)	ND		ug/l	11.0	2.74

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		50-130
d50-Tetracosane	72		50-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Associated sample(s): 01-05 Batch: WG1989062-2 WG1989062-3								
Nonane (C9)	74		73		50-130	1		30
Decane (C10)	84		82		50-130	2		30
Dodecane (C12)	92		90		50-130	2		30
Tetradecane (C14)	94		93		50-130	1		30
Hexadecane (C16)	98		98		50-130	0		30
Octadecane (C18)	104		104		50-130	0		30
Nonadecane (C19)	102		104		50-130	2		30
Eicosane (C20)	103		103		50-130	0		30
Docosane (C22)	100		100		50-130	0		30
Tetracosane (C24)	106		106		50-130	0		30
Hexacosane (C26)	100		100		50-130	0		30
Octacosane (C28)	102		102		50-130	0		30
Triacontane (C30)	99		99		50-130	0		30
Hexatriacontane (C36)	83		86		50-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	99		97		50-130
d50-Tetracosane	100		97		50-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Diesel/Other Range Organics by GC-FID - Mansfield Lab Client ID: MW-01_20241018												
Associated sample(s): 01-05 QC Batch ID: WG1989062-4 WG1989062-5 QC Sample: L2460992-03												
Nonane (C9)	ND	236	176.6755	75		178.4250	74		50-150	1		30
Decane (C10)	0.5292453J	236	203.5962	86		198.1154	82		50-150	3		30
Dodecane (C12)	ND	236	225.23585	96		213.10962	89		50-150	6		30
Tetradecane (C14)	ND	236	229.55094	97		215.77500	90		50-150	6		30
Hexadecane (C16)	ND	236	238.2679	101		225.6923	94		50-150	5		30
Octadecane (C18)	ND	236	253.2604	107		240.1442	100		50-150	5		30
Nonadecane (C19)	ND	236	286.2000	121		266.7923	111		50-150	7		30
Eicosane (C20)	0.3056604J	236	247.5434	105		235.9038	98		50-150	5		30
Docosane (C22)	ND	236	238.7490	101		228.4038	95		50-150	4		30
Tetracosane (C24)	ND	236	250.6981	106		241.4058	100		50-150	4		30
Hexacosane (C26)	ND	236	231.3245	98		224.7019	93		50-150	3		30
Octacosane (C28)	ND	236	230.8170	98		226.8250	94		50-150	2		30
Triacontane (C30)	ND	236	211.2415	90		212.7942	88		50-150	1		30
Hexatriacontane (C36)	ND	236	132.3924	56		150.9519	63		50-150	13		30

Surrogate	MS % Recovery	MSD % Recovery	Acceptance Criteria
d50-Tetracosane	101	94	50-130
o-Terphenyl	87	82	50-130

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-01

Client ID: MW-03_20241018

Sample Location: NY

Date Collected: 10/18/24 12:40

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 135,EPH-19-2.1

Analytical Date: 10/24/24 17:04

Analyst: SYR

Extraction Method: EPA 3510C

Extraction Date: 10/24/24 00:39

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 10/24/24

Quality Control Information

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

C19-C36 Aliphatics	ND		ug/l	100	100.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	71		40-140
2-Bromonaphthalene	76		40-140

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-02

Date Collected: 10/18/24 13:50

Client ID: MW-02_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 135,EPH-19-2.1

Extraction Date: 10/24/24 00:39

Analytical Date: 10/24/24 17:29

Cleanup Method1: EPH-19-2.1

Analyst: SYR

Cleanup Date1: 10/24/24

Quality Control Information

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

C19-C36 Aliphatics	ND		ug/l	100	100.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	69		40-140
2-Bromonaphthalene	75		40-140

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-03

Client ID: MW-01_20241018

Sample Location: NY

Date Collected: 10/18/24 15:45

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 135,EPH-19-2.1

Analytical Date: 10/25/24 09:30

Analyst: MTC

Extraction Method: EPA 3510C

Extraction Date: 10/24/24 00:39

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 10/24/24

Quality Control Information

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

C19-C36 Aliphatics	ND		ug/l	100	100.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	73		40-140
2-Bromonaphthalene	77		40-140

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-04
 Client ID: FB_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:00
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 135,EPH-19-2.1
 Analytical Date: 10/24/24 17:54
 Analyst: SYR

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 00:39
 Cleanup Method1: EPH-19-2.1
 Cleanup Date1: 10/24/24

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

C19-C36 Aliphatics	ND		ug/l	100	100.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	70		40-140
2-Bromonaphthalene	72		40-140

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-05

Date Collected: 10/18/24 12:30

Client ID: MW-0X_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 135,EPH-19-2.1

Extraction Date: 10/24/24 00:39

Analytical Date: 10/24/24 18:19

Cleanup Method1: EPH-19-2.1

Analyst: SYR

Cleanup Date1: 10/24/24

Quality Control Information

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

C19-C36 Aliphatics	ND		ug/l	100	100.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	77		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	88		40-140

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 10/24/24 14:35
Analyst: SYR

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 00:39
Cleanup Method: EPH-19-2.1
Cleanup Date: 10/24/24

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-05 Batch: WG1988334-1					
C19-C36 Aliphatics	ND		ug/l	100	100.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	76		40-140
2-Bromonaphthalene	80		40-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 Batch: WG1988334-2 WG1988334-3								
C9-C18 Aliphatics	45		53		40-140	16		20
C19-C36 Aliphatics	71		79		40-140	11		20
C11-C22 Aromatics	78		81		40-140	4		20
Naphthalene	51		55		40-140	8		20
2-Methylnaphthalene	55		59		40-140	7		20
Acenaphthylene	64		68		40-140	6		20
Acenaphthene	67		72		40-140	7		20
Fluorene	71		76		40-140	7		20
Phenanthrene	74		78		40-140	5		20
Anthracene	89		94		40-140	5		20
Fluoranthene	76		80		40-140	5		20
Pyrene	76		80		40-140	5		20
Benzo(a)anthracene	79		83		40-140	5		20
Chrysene	77		81		40-140	5		20
Benzo(b)fluoranthene	78		82		40-140	5		20
Benzo(k)fluoranthene	76		81		40-140	6		20
Benzo(a)pyrene	89		94		40-140	5		20
Indeno(1,2,3-cd)Pyrene	81		85		40-140	5		20
Dibenzo(a,h)anthracene	77		81		40-140	5		20
Benzo(ghi)perylene	71		73		40-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 Batch: WG1988334-2 WG1988334-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	60		68		40-140
o-Terphenyl	76		77		40-140
2-Fluorobiphenyl	76		76		40-140
2-Bromonaphthalene	81		80		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1988334-4 WG1988334-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												
C9-C18 Aliphatics	ND	600	304	51		282	47		40-140	8		50
C19-C36 Aliphatics	ND	800	627	78		574	72		40-140	9		50
C11-C22 Aromatics	136	1700	1200	62		1080	56		40-140	11		50
Naphthalene	11.1	100	63.7	53		56.4	45		40-140	12		50
2-Methylnaphthalene	ND	100	60.4	60		51.4	51		40-140	16		50
Acenaphthylene	ND	100	64.4	64		54.2	54		40-140	17		50
Acenaphthene	ND	100	68.6	69		58.0	58		40-140	17		50
Fluorene	ND	100	71.8	72		60.9	61		40-140	16		50
Phenanthrene	14.1	100	78.2	64		68.5	54		40-140	13		50
Anthracene	ND	100	83.8	84		72.4	72		40-140	15		50
Fluoranthene	ND	100	71.7	72		63.0	63		40-140	13		50
Pyrene	ND	100	65.8	66		58.0	58		40-140	13		50
Benzo(a)anthracene	ND	100	70.0	70		61.9	62		40-140	12		50
Chrysene	ND	100	66.9	67		60.2	60		40-140	11		50
Benzo(b)fluoranthene	ND	100	62.2	62		56.0	56		40-140	10		50
Benzo(k)fluoranthene	ND	100	62.7	63		56.9	57		40-140	10		50
Benzo(a)pyrene	ND	100	76.1	76		68.8	69		40-140	10		50
Indeno(1,2,3-cd)Pyrene	ND	100	60.1	60		55.6	56		40-140	8		50
Dibenzo(a,h)anthracene	ND	100	57.2	57		55.5	56		40-140	3		50
Benzo(ghi)perylene	ND	100	49.6	50		46.6	47		40-140	6		50

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1988334-4 WG1988334-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2-Bromonaphthalene	76		63		40-140
2-Fluorobiphenyl	73		60		40-140
Chloro-Octadecane	67		59		40-140
o-Terphenyl	68		60		40-140



PCBS

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 10/25/24 13:07
 Analyst: MEO

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 21:30
 Cleanup Method: EPA 3665A
 Cleanup Date: 10/25/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 10/25/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 10/25/24 13:17
 Analyst: MEO

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 21:30
 Cleanup Method: EPA 3665A
 Cleanup Date: 10/25/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 10/25/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 10/25/24 13:26
 Analyst: MEO

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 21:30
 Cleanup Method: EPA 3665A
 Cleanup Date: 10/25/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 10/25/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8082A

Extraction Date: 10/24/24 21:30

Analytical Date: 10/25/24 13:54

Cleanup Method: EPA 3665A

Analyst: MEO

Cleanup Date: 10/25/24

Cleanup Method: EPA 3660B

Cleanup Date: 10/25/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 10/25/24 14:04
 Analyst: MEO

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 21:30
 Cleanup Method: EPA 3665A
 Cleanup Date: 10/25/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 10/25/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/24/24 16:29
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 09:06
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/24
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1988506-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	50		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1988506-2 WG1988506-3									
Aroclor 1016	56		58		40-140	3		50	A
Aroclor 1260	57		58		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		56		30-150	A
Decachlorobiphenyl	52		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		47		30-150	B
Decachlorobiphenyl	49		52		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1988506-4 WG1988506-5 QC Sample: L2460992-03 Client ID: MW-01_20241018													
Aroclor 1016	ND	1.78	1.10	62		1.14	64		40-140	4		50	A
Aroclor 1260	ND	1.78	1.13	63		1.21	68		40-140	7		50	A

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	59		64		30-150	A
Decachlorobiphenyl	64		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		57		30-150	B
Decachlorobiphenyl	51		56		30-150	B

PESTICIDES

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01
 Client ID: MW-03_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:40
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 10/25/24 09:55
 Analyst: Ejl

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 07:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-01

Date Collected: 10/18/24 12:40

Client ID: MW-03_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-02
 Client ID: MW-02_20241018
 Sample Location: NY

Date Collected: 10/18/24 13:50
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 10/25/24 10:06
 Analyst: Ejl

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 07:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-02

Date Collected: 10/18/24 13:50

Client ID: MW-02_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03
 Client ID: MW-01_20241018
 Sample Location: NY

Date Collected: 10/18/24 15:45
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 10/25/24 10:18
 Analyst: EJJ

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 07:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03

Date Collected: 10/18/24 15:45

Client ID: MW-01_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	34		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8081B

Extraction Date: 10/24/24 07:33

Analytical Date: 10/25/24 10:51

Analyst: Ejl

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS**

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05
 Client ID: MW-0X_20241018
 Sample Location: NY

Date Collected: 10/18/24 12:30
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 10/25/24 11:03
 Analyst: Ejl

Extraction Method: EPA 3510C
 Extraction Date: 10/24/24 07:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**SAMPLE RESULTS****Lab ID:** L2460992-05**Date Collected:** 10/18/24 12:30**Client ID:** MW-0X_20241018**Date Received:** 10/18/24**Sample Location:** NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/24/24 16:36
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 07:33

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1988437-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/24/24 16:36
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 10/24/24 07:33

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1988437-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	54		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1988437-2 WG1988437-3									
Delta-BHC	58		58		30-150	1		20	A
Lindane	66		66		30-150	1		20	A
Alpha-BHC	65		66		30-150	1		20	A
Beta-BHC	63		63		30-150	0		20	A
Heptachlor	64		66		30-150	2		20	A
Aldrin	61		62		30-150	2		20	A
Heptachlor epoxide	65		65		30-150	1		20	A
Endrin	68		69		30-150	2		20	A
Endrin aldehyde	55		56		30-150	1		20	A
Endrin ketone	68		67		30-150	2		20	A
Dieldrin	71		72		30-150	1		20	A
4,4'-DDE	63		65		30-150	3		20	A
4,4'-DDD	69		70		30-150	1		20	A
4,4'-DDT	66		67		30-150	1		20	A
Endosulfan I	64		65		30-150	1		20	A
Endosulfan II	69		68		30-150	1		20	A
Endosulfan sulfate	63		62		30-150	1		20	A
Methoxychlor	68		68		30-150	0		20	A
cis-Chlordane	61		61		30-150	0		20	A
trans-Chlordane	71		71		30-150	1		20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1988437-2 WG1988437-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		63		30-150	A
Decachlorobiphenyl	53		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		64		30-150	B
Decachlorobiphenyl	51		51		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab ID: MW-01_20241018 Associated sample(s): 01-05 QC Batch ID: WG1988437-4 WG1988437-5 QC Sample: L2460992-03 Client													
Delta-BHC	ND	0.357	0.269P	75		0.240P	67		30-150	11		30	A
Lindane	ND	0.357	0.289	81		0.280	78		30-150	3		30	A
Alpha-BHC	ND	0.357	0.623P	174	Q	0.656P	184	Q	30-150	5		30	A
Beta-BHC	ND	0.357	0.175	49		0.264	74		30-150	41	Q	30	A
Heptachlor	ND	0.357	0.270P	76		0.252P	71		30-150	7		30	A
Aldrin	ND	0.357	0.165	46		0.218	61		30-150	28		30	A
Heptachlor epoxide	ND	0.357	0.135P	38		0.143P	40		30-150	6		30	A
Endrin	ND	0.357	0.178	50		0.189	53		30-150	6		30	A
Endrin aldehyde	ND	0.357	0.114	32		0.113	32		30-150	1		30	A
Endrin ketone	ND	0.357	0.154	43		0.166	46		30-150	8		30	A
Dieldrin	ND	0.357	0.160	45		0.174	49		30-150	8		30	A
4,4'-DDE	ND	0.357	0.153	43		0.162	45		30-150	6		30	A
4,4'-DDD	ND	0.357	0.148	41		0.159	44		30-150	7		30	A
4,4'-DDT	ND	0.357	0.143	40		0.156	44		30-150	9		30	A
Endosulfan I	ND	0.357	0.150	42		0.155	43		30-150	3		30	A
Endosulfan II	ND	0.357	0.146	41		0.164	46		30-150	12		30	A
Endosulfan sulfate	ND	0.357	0.147	41		0.153	43		30-150	4		30	A
Methoxychlor	ND	0.357	0.163	46		0.161	45		30-150	1		30	A
cis-Chlordane	ND	0.357	0.148	41		0.155	43		30-150	5		30	A
trans-Chlordane	ND	0.357	0.206P	58		0.221P	62		30-150	7		30	A

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1988437-4 WG1988437-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	42		41		30-150	A
Decachlorobiphenyl	36		40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		38		30-150	B
Decachlorobiphenyl	52		53		30-150	B

METALS

Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01

Date Collected: 10/18/24 12:40

Client ID: MW-03_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.02		mg/l	0.0100	0.00327	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Arsenic, Total	0.00354		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Barium, Total	0.05526		mg/l	0.00050	0.00017	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Cadmium, Total	0.00021		mg/l	0.00020	0.00005	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Calcium, Total	253.		mg/l	0.100	0.0394	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Chromium, Total	0.03024		mg/l	0.00100	0.00017	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Cobalt, Total	0.02962		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Copper, Total	0.02258		mg/l	0.00100	0.00038	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Iron, Total	80.3		mg/l	0.0500	0.0191	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Lead, Total	0.04148		mg/l	0.00100	0.00034	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Magnesium, Total	48.6		mg/l	0.0700	0.0242	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Manganese, Total	1.828		mg/l	0.00100	0.00044	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/24/24 02:31	10/25/24 18:19	EPA 7470A	1,7470A	MJR
Nickel, Total	0.02592		mg/l	0.00200	0.00055	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Potassium, Total	27.2		mg/l	0.100	0.0309	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Sodium, Total	456.		mg/l	0.100	0.0293	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Vanadium, Total	0.00480	J	mg/l	0.00500	0.00157	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Zinc, Total	0.05768		mg/l	0.01000	0.00341	1	10/24/24 02:25	10/29/24 18:15	EPA 3005A	1,6020B	SMV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.00053	J	mg/l	0.00400	0.00042	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.00069		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.03306		mg/l	0.00050	0.00017	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-01

Date Collected: 10/18/24 12:40

Client ID: MW-03_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	241.		mg/l	0.100	0.0394	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00130		mg/l	0.00100	0.00017	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.02568		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Iron, Dissolved	50.5		mg/l	0.0500	0.0191	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	45.8		mg/l	0.0700	0.0242	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	1.705		mg/l	0.00100	0.00044	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/23/24 18:58	10/25/24 13:53	EPA 7470A	1,7470A	MJR
Nickel, Dissolved	0.01058		mg/l	0.00200	0.00055	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	25.6		mg/l	0.100	0.0309	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	430.		mg/l	0.100	0.0293	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	0.02072		mg/l	0.01000	0.00341	1	10/23/24 17:36	10/29/24 15:53	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-02

Date Collected: 10/18/24 13:50

Client ID: MW-02_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.283		mg/l	0.0100	0.00327	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Antimony, Total	0.00355	J	mg/l	0.00400	0.00042	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Arsenic, Total	0.00713		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Barium, Total	0.04367		mg/l	0.00050	0.00017	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Calcium, Total	144.		mg/l	0.100	0.0394	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Chromium, Total	0.00197		mg/l	0.00100	0.00017	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Cobalt, Total	0.00142		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Copper, Total	0.00294		mg/l	0.00100	0.00038	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Iron, Total	0.870		mg/l	0.0500	0.0191	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Lead, Total	0.00420		mg/l	0.00100	0.00034	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Magnesium, Total	16.4		mg/l	0.0700	0.0242	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Manganese, Total	0.1152		mg/l	0.00100	0.00044	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/24/24 02:31	10/25/24 18:22	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00469		mg/l	0.00200	0.00055	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Potassium, Total	26.6		mg/l	0.100	0.0309	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Sodium, Total	174.		mg/l	0.100	0.0293	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Vanadium, Total	0.00607		mg/l	0.00500	0.00157	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Zinc, Total	0.01005		mg/l	0.01000	0.00341	1	10/24/24 02:25	10/29/24 18:50	EPA 3005A	1,6020B	SMV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0119		mg/l	0.0100	0.00327	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.00201	J	mg/l	0.00400	0.00042	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.00713		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.03862		mg/l	0.00050	0.00017	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-02

Date Collected: 10/18/24 13:50

Client ID: MW-02_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	146.		mg/l	0.100	0.0394	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00029	J	mg/l	0.00100	0.00017	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.00134		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Copper, Dissolved	0.00071	J	mg/l	0.00100	0.00038	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Iron, Dissolved	0.343		mg/l	0.0500	0.0191	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	15.6		mg/l	0.0700	0.0242	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	0.09670		mg/l	0.00100	0.00044	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/23/24 18:58	10/25/24 13:56	EPA 7470A	1,7470A	MJR
Nickel, Dissolved	0.00402		mg/l	0.00200	0.00055	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	25.5		mg/l	0.100	0.0309	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	171.		mg/l	0.100	0.0293	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	0.00519		mg/l	0.00500	0.00157	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/23/24 17:36	10/29/24 15:57	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03

Date Collected: 10/18/24 15:45

Client ID: MW-01_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.226		mg/l	0.0100	0.00327	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Antimony, Total	0.01620		mg/l	0.00400	0.00042	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Arsenic, Total	0.01119		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Barium, Total	0.08911		mg/l	0.00050	0.00017	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Calcium, Total	169.		mg/l	0.100	0.0394	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Chromium, Total	0.00111		mg/l	0.00100	0.00017	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Cobalt, Total	0.00138		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Copper, Total	0.00225		mg/l	0.00100	0.00038	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Iron, Total	0.774		mg/l	0.0500	0.0191	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Lead, Total	0.00945		mg/l	0.00100	0.00034	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Magnesium, Total	44.7		mg/l	0.0700	0.0242	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Manganese, Total	0.1364		mg/l	0.00100	0.00044	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/24/24 02:31	10/25/24 17:42	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00624		mg/l	0.00200	0.00055	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Potassium, Total	58.2		mg/l	1.00	0.309	10	10/24/24 02:25	10/29/24 18:06	EPA 3005A	1,6020B	SMV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Sodium, Total	300.		mg/l	0.100	0.0293	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Vanadium, Total	0.00859		mg/l	0.00500	0.00157	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Zinc, Total	0.00691	J	mg/l	0.01000	0.00341	1	10/24/24 02:25	10/29/24 16:43	EPA 3005A	1,6020B	SMV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00966	J	mg/l	0.0100	0.00327	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.01591		mg/l	0.00400	0.00042	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.01116		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.07669		mg/l	0.00050	0.00017	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03

Date Collected: 10/18/24 15:45

Client ID: MW-01_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	157.		mg/l	0.100	0.0394	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00041	J	mg/l	0.00100	0.00017	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.00113		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Iron, Dissolved	0.340		mg/l	0.0500	0.0191	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Lead, Dissolved	0.00038	J	mg/l	0.00100	0.00034	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	41.2		mg/l	0.0700	0.0242	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	0.1174		mg/l	0.00100	0.00044	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/23/24 18:58	10/25/24 13:43	EPA 7470A	1,7470A	MJR
Nickel, Dissolved	0.00476		mg/l	0.00200	0.00055	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	53.9		mg/l	1.00	0.309	10	10/23/24 17:36	10/29/24 17:11	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	278.		mg/l	0.100	0.0293	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	0.00682		mg/l	0.00500	0.00157	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/23/24 17:36	10/29/24 15:29	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Barium, Total	0.00045	J	mg/l	0.00050	0.00017	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Calcium, Total	ND		mg/l	0.100	0.0394	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Iron, Total	ND		mg/l	0.0500	0.0191	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/24/24 02:31	10/25/24 18:26	EPA 7470A	1,7470A	MJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Potassium, Total	ND		mg/l	0.100	0.0309	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Sodium, Total	ND		mg/l	0.100	0.0293	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/24/24 02:25	10/29/24 17:33	EPA 3005A	1,6020B	SMV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.00063	J	mg/l	0.00400	0.00042	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-04

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	0.0434	J	mg/l	0.100	0.0394	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/23/24 18:58	10/25/24 14:00	EPA 7470A	1,7470A	MJR
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/23/24 17:36	10/29/24 15:15	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05

Date Collected: 10/18/24 12:30

Client ID: MW-0X_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0951		mg/l	0.0100	0.00327	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Antimony, Total	0.00225	J	mg/l	0.00400	0.00042	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Arsenic, Total	0.00587		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Barium, Total	0.04602		mg/l	0.00050	0.00017	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Calcium, Total	147.		mg/l	0.100	0.0394	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Chromium, Total	0.00081	J	mg/l	0.00100	0.00017	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Cobalt, Total	0.00120		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Copper, Total	0.00138		mg/l	0.00100	0.00038	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Iron, Total	0.668		mg/l	0.0500	0.0191	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Lead, Total	0.00137		mg/l	0.00100	0.00034	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Magnesium, Total	18.4		mg/l	0.0700	0.0242	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Manganese, Total	0.1537		mg/l	0.00100	0.00044	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/24/24 02:31	10/25/24 18:29	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00473		mg/l	0.00200	0.00055	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Potassium, Total	25.9		mg/l	0.100	0.0309	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Sodium, Total	146.		mg/l	0.100	0.0293	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Vanadium, Total	0.00541		mg/l	0.00500	0.00157	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/24/24 02:25	10/29/24 18:55	EPA 3005A	1,6020B	SMV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0150		mg/l	0.0100	0.00327	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Antimony, Dissolved	0.00227	J	mg/l	0.00400	0.00042	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Arsenic, Dissolved	0.00566		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Barium, Dissolved	0.04158		mg/l	0.00050	0.00017	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-05

Date Collected: 10/18/24 12:30

Client ID: MW-0X_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Calcium, Dissolved	146.		mg/l	0.100	0.0394	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Chromium, Dissolved	0.00026	J	mg/l	0.00100	0.00017	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Cobalt, Dissolved	0.00117		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Copper, Dissolved	0.00059	J	mg/l	0.00100	0.00038	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Iron, Dissolved	0.262		mg/l	0.0500	0.0191	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Magnesium, Dissolved	17.2		mg/l	0.0700	0.0242	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Manganese, Dissolved	0.1386		mg/l	0.00100	0.00044	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/23/24 18:58	10/25/24 14:13	EPA 7470A	1,7470A	MJR
Nickel, Dissolved	0.00420		mg/l	0.00200	0.00055	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Potassium, Dissolved	24.5		mg/l	0.100	0.0309	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Sodium, Dissolved	140.		mg/l	0.100	0.0293	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Thallium, Dissolved	0.00019	J	mg/l	0.00100	0.00014	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Vanadium, Dissolved	0.00487	J	mg/l	0.00500	0.00157	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/23/24 17:36	10/29/24 17:07	EPA 3005A	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

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): 01-05 Batch: WG1988202-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/23/24 17:36	10/29/24 15:10	1,6020B	SMV

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): 01-05 Batch: WG1988204-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

Method Blank Analysis Batch Quality Control

Barium, Total	ND	mg/l	0.00050	0.00017	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Calcium, Total	ND	mg/l	0.100	0.0394	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Chromium, Total	ND	mg/l	0.00100	0.00017	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Copper, Total	ND	mg/l	0.00100	0.00038	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Iron, Total	ND	mg/l	0.0500	0.0191	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Lead, Total	ND	mg/l	0.00100	0.00034	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Manganese, Total	ND	mg/l	0.00100	0.00044	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Nickel, Total	ND	mg/l	0.00200	0.00055	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Potassium, Total	ND	mg/l	0.100	0.0309	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Selenium, Total	ND	mg/l	0.00500	0.00173	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Silver, Total	ND	mg/l	0.00040	0.00016	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Sodium, Total	ND	mg/l	0.100	0.0293	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Thallium, Total	ND	mg/l	0.00100	0.00014	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV
Zinc, Total	ND	mg/l	0.01000	0.00341	1	10/24/24 02:25	10/29/24 16:14	1,6020B	SMV

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): 01-05 Batch: WG1988208-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	10/24/24 02:31	10/25/24 17:35	1,7470A	MJR

Prep Information

Digestion Method: EPA 7470A



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

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): 01-05 Batch: WG1988233-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/23/24 18:58	10/25/24 13:37	1,7470A	MJR

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1988202-2								
Aluminum, Dissolved	96		-		80-120	-		
Antimony, Dissolved	89		-		80-120	-		
Arsenic, Dissolved	104		-		80-120	-		
Barium, Dissolved	105		-		80-120	-		
Beryllium, Dissolved	105		-		80-120	-		
Cadmium, Dissolved	105		-		80-120	-		
Calcium, Dissolved	96		-		80-120	-		
Chromium, Dissolved	100		-		80-120	-		
Cobalt, Dissolved	101		-		80-120	-		
Copper, Dissolved	105		-		80-120	-		
Iron, Dissolved	109		-		80-120	-		
Lead, Dissolved	105		-		80-120	-		
Magnesium, Dissolved	96		-		80-120	-		
Manganese, Dissolved	101		-		80-120	-		
Nickel, Dissolved	104		-		80-120	-		
Potassium, Dissolved	97		-		80-120	-		
Selenium, Dissolved	103		-		80-120	-		
Silver, Dissolved	101		-		80-120	-		
Sodium, Dissolved	98		-		80-120	-		
Thallium, Dissolved	101		-		80-120	-		
Vanadium, Dissolved	100		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control**Project Name:** BUD NORTH**Project Number:** 200112**Lab Number:** L2460992**Report Date:** 11/08/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1988202-2					
Zinc, Dissolved	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1988204-2					
Aluminum, Total	95	-	80-120	-	
Antimony, Total	85	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	110	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	103	-	80-120	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	93	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	95	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	95	-	80-120	-	
Thallium, Total	92	-	80-120	-	
Vanadium, Total	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1988204-2					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1988208-2					
Mercury, Total	92	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1988233-2					
Mercury, Dissolved	93	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988202-3 WG1988202-4 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Aluminum, Dissolved	0.00966J	2	1.85	92		2.02	101		75-125	9		20
Antimony, Dissolved	0.01591	0.5	0.5024	97		0.5555	108		75-125	10		20
Arsenic, Dissolved	0.01116	0.12	0.1349	103		0.1436	110		75-125	6		20
Barium, Dissolved	0.07669	2	2.057	99		2.253	109		75-125	9		20
Beryllium, Dissolved	ND	0.05	0.04951	99		0.05239	105		75-125	6		20
Cadmium, Dissolved	ND	0.053	0.04959	94		0.05523	104		75-125	11		20
Calcium, Dissolved	157.	10	192	350	Q	202	450	Q	75-125	5		20
Chromium, Dissolved	0.00041J	0.2	0.1846	92		0.2009	100		75-125	8		20
Cobalt, Dissolved	0.00113	0.5	0.4695	94		0.5114	102		75-125	9		20
Copper, Dissolved	ND	0.25	0.2381	95		0.2607	104		75-125	9		20
Iron, Dissolved	0.340	1	1.33	99		1.44	110		75-125	8		20
Lead, Dissolved	0.00038J	0.53	0.5259	99		0.6018	114		75-125	13		20
Magnesium, Dissolved	41.2	10	52.5	113		56.2	150	Q	75-125	7		20
Manganese, Dissolved	0.1174	0.5	0.5993	96		0.6440	105		75-125	7		20
Nickel, Dissolved	0.00476	0.5	0.4752	94		0.5160	102		75-125	8		20
Potassium, Dissolved	53.9	10	67.5	136	Q	71.3	174	Q	75-125	5		20
Selenium, Dissolved	ND	0.12	0.112	93		0.122	102		75-125	9		20
Silver, Dissolved	ND	0.05	0.04521	90		0.04992	100		75-125	10		20
Sodium, Dissolved	278.	10	286	80		304	260	Q	75-125	6		20
Thallium, Dissolved	ND	0.12	0.1153	96		0.1311	109		75-125	13		20
Vanadium, Dissolved	0.00682	0.5	0.4777	94		0.5256	104		75-125	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988202-3 WG1988202-4 QC Sample: L2460992-03 Client ID: MW-01_20241018									
Zinc, Dissolved	ND	0.5	0.4664	93	0.5070	101	75-125	8	20



Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988204-3 WG1988204-4 QC Sample: L2460992-03 Client ID: MW-01_20241018									
Aluminum, Total	0.226	2	2.19	98	2.28	103	75-125	4	20
Antimony, Total	0.01620	0.5	0.5218	101	0.5507	107	75-125	5	20
Arsenic, Total	0.01119	0.12	0.1341	102	0.1426	110	75-125	6	20
Barium, Total	0.08911	2	2.153	103	2.248	108	75-125	4	20
Beryllium, Total	ND	0.05	0.05270	105	0.05408	108	75-125	3	20
Cadmium, Total	ND	0.053	0.05205	98	0.05521	104	75-125	6	20
Calcium, Total	169.	10	194	250	Q 202	330	Q 75-125	4	20
Chromium, Total	0.00111	0.2	0.1908	95	0.1995	99	75-125	4	20
Cobalt, Total	0.00138	0.5	0.4844	97	0.5014	100	75-125	3	20
Copper, Total	0.00225	0.25	0.2474	98	0.2608	103	75-125	5	20
Iron, Total	0.774	1	1.97	120	1.87	110	75-125	5	20
Lead, Total	0.00945	0.53	0.5413	100	0.5877	109	75-125	8	20
Magnesium, Total	44.7	10	54.0	93	56.1	114	75-125	4	20
Manganese, Total	0.1364	0.5	0.6244	98	0.6480	102	75-125	4	20
Nickel, Total	0.00624	0.5	0.4855	96	0.5100	101	75-125	5	20
Potassium, Total	58.2	10	67.8	96	70.9	127	Q 75-125	4	20
Selenium, Total	ND	0.12	0.0254J	21	Q 0.0288J	24	Q 75-125	13	20
Silver, Total	ND	0.05	0.04694	94	0.05035	101	75-125	7	20
Sodium, Total	300.	10	293	0	Q 300	0	Q 75-125	2	20
Thallium, Total	ND	0.12	0.1164	97	0.1265	105	75-125	8	20
Vanadium, Total	0.00859	0.5	0.4920	97	0.5106	100	75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988204-3 WG1988204-4 QC Sample: L2460992-03 Client ID: MW-01_20241018									
Zinc, Total	0.00691J	0.5	0.4894	98	0.5136	103	75-125	5	20



Matrix Spike Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

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): 01-05 QC Batch ID: WG1988204-7 WG1988204-8 QC Sample: L2461164-07 Client ID: MS Sample									
Aluminum, Total	0.006J	2	1.95	98	1.99	100	75-125	2	20
Antimony, Total	0.0004J	0.5	0.4659	93	0.4788	96	75-125	3	20
Arsenic, Total	0.00160	0.12	0.1278	105	0.1278	105	75-125	0	20
Barium, Total	0.04646	2	2.148	105	2.168	106	75-125	1	20
Beryllium, Total	ND	0.05	0.05293	106	0.05437	109	75-125	3	20
Cadmium, Total	ND	0.053	0.05467	103	0.05514	104	75-125	1	20
Calcium, Total	43.7	10	54.9	112	56.0	123	75-125	2	20
Chromium, Total	ND	0.2	0.1934	97	0.1967	98	75-125	2	20
Cobalt, Total	0.0004J	0.5	0.4934	99	0.5016	100	75-125	2	20
Copper, Total	0.00060J	0.25	0.2559	102	0.2570	103	75-125	0	20
Iron, Total	0.439	1	1.49	105	1.52	108	75-125	2	20
Lead, Total	ND	0.53	0.5426	102	0.5522	104	75-125	2	20
Magnesium, Total	7.25	10	17.0	98	17.3	100	75-125	2	20
Manganese, Total	0.04630	0.5	0.5396	99	0.5506	101	75-125	2	20
Nickel, Total	0.0007J	0.5	0.4999	100	0.5045	101	75-125	1	20
Potassium, Total	5.48	10	15.2	97	15.4	99	75-125	1	20
Selenium, Total	ND	0.12	0.124	103	0.125	104	75-125	1	20
Silver, Total	ND	0.05	0.04885	98	0.04948	99	75-125	1	20
Sodium, Total	146.	10	158	120	161	150	Q 75-125	2	20
Thallium, Total	ND	0.12	0.1172	98	0.1198	100	75-125	2	20
Vanadium, Total	ND	0.5	0.4828	96	0.4974	99	75-125	3	20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

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): 01-05			QC Batch ID: WG1988204-7		WG1988204-8	QC Sample: L2461164-07		Client ID: MS Sample	
Zinc, Total	ND	0.5	0.5138	103	0.5154	103	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1988208-3		WG1988208-4	QC Sample: L2460992-03		Client ID: MW-01_20241018	
Mercury, Total	ND	0.005	0.00499	100	0.00500	100	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1988208-5		WG1988208-6	QC Sample: L2461164-07		Client ID: MS Sample	
Mercury, Total	ND	0.005	0.00495	99	0.00483	97	75-125	3	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1988233-3		WG1988233-4	QC Sample: L2460992-03		Client ID: MW-01_20241018	
Mercury, Dissolved	ND	0.005	0.00487	97	0.00491	98	75-125	1	20

Project Name: BUD NORTH
Project Number: 200112

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2460992
Report Date: 11/08/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1988202-6 QC Sample: L2460992-03 Client ID: MW-01_20241018						
Barium, Dissolved	0.07669	0.07738	mg/l	1		20
Calcium, Dissolved	157.	176.	mg/l	12		20
Magnesium, Dissolved	41.2	42.3	mg/l	3		20
Manganese, Dissolved	0.1174	0.1236	mg/l	5		20
Sodium, Dissolved	278.	271.	mg/l	3		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1988202-6 QC Sample: L2460992-03 Client ID: MW-01_20241018						
Potassium, Dissolved	53.9	53.6	mg/l	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1988204-10 QC Sample: L2461164-07 Client ID: DUP Sample						
Barium, Total	0.04646	0.04697	mg/l	1		20
Calcium, Total	43.7	44.2	mg/l	1		20
Manganese, Total	0.04630	0.04849	mg/l	5		20
Sodium, Total	146.	145.	mg/l	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1988204-6 QC Sample: L2460992-03 Client ID: MW-01_20241018						
Barium, Total	0.08911	0.08715	mg/l	2		20
Calcium, Total	169.	186.	mg/l	10		20
Magnesium, Total	44.7	44.6	mg/l	0		20
Manganese, Total	0.1364	0.1408	mg/l	3		20
Sodium, Total	300.	284.	mg/l	5		20

Project Name: BUD NORTH
Project Number: 200112

Lab Serial Dilution
Analysis
Batch Quality Control

Lab Number: L2460992
Report Date: 11/08/24

Parameter	Native Sample	Serial Dilution	Units	% D	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1988204-6 QC Sample: L2460992-03 Client ID: MW-01_20241018					
Potassium, Total	58.2	60.0	mg/l	3	20



INORGANICS & MISCELLANEOUS

Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2460992**Report Date:** 11/08/24**SAMPLE RESULTS****Lab ID:** L2460992-01**Client ID:** MW-03_20241018**Sample Location:** NY**Date Collected:** 10/18/24 12:40**Date Received:** 10/18/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.203		mg/l	0.005	0.001	1	10/25/24 13:50	10/25/24 16:36	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/19/24 05:30	10/19/24 06:09	1,7196A	CAR



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2460992**Report Date:** 11/08/24**SAMPLE RESULTS****Lab ID:** L2460992-02**Client ID:** MW-02_20241018**Sample Location:** NY**Date Collected:** 10/18/24 13:50**Date Received:** 10/18/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.835		mg/l	0.010	0.003	2	10/25/24 13:50	10/25/24 17:25	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/19/24 05:30	10/19/24 06:09	1,7196A	CAR



Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

SAMPLE RESULTS

Lab ID: L2460992-03

Client ID: MW-01_20241018

Sample Location: NY

Date Collected: 10/18/24 15:45

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.714		mg/l	0.010	0.003	2	10/25/24 13:50	10/25/24 17:26	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.050	0.015	5	10/19/24 05:30	10/19/24 06:09	1,7196A	CAR



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2460992**Report Date:** 11/08/24**SAMPLE RESULTS****Lab ID:** L2460992-04**Client ID:** FB_20241018**Sample Location:** NY**Date Collected:** 10/18/24 15:00**Date Received:** 10/18/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	10/25/24 13:50	10/25/24 17:23	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/19/24 05:30	10/19/24 06:11	1,7196A	CAR



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2460992**Report Date:** 11/08/24**SAMPLE RESULTS****Lab ID:** L2460992-05**Client ID:** MW-0X_20241018**Sample Location:** NY**Date Collected:** 10/18/24 12:30**Date Received:** 10/18/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.561		mg/l	0.010	0.003	2	10/25/24 13:50	10/25/24 17:29	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/19/24 05:30	10/19/24 06:12	1,7196A	CAR



Project Name: BUD NORTH

Lab Number: L2460992

Project Number: 200112

Report Date: 11/08/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1986390-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/19/24 05:30	10/19/24 06:07	1,7196A	CAR
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1989134-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	10/25/24 13:50	10/25/24 16:22	1,9010C/9012B	JER

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1986390-2								
Chromium, Hexavalent	97		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1989134-2 WG1989134-3								
Cyanide, Total	88		90		85-115	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2460992

Report Date: 11/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1986390-4 WG1986390-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Chromium, Hexavalent	ND	0.1	0.037J	37	Q	0.035J	35	Q	85-115	6		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1989134-4 WG1989134-5 QC Sample: L2460992-03 Client ID: MW-01_20241018												
Cyanide, Total	0.714	0.2	0.990	138	Q	0.887	86		80-120	11		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1989134-6 WG1989134-7 QC Sample: L2460898-07 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.186	93		0.184	92		80-120	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1986390-3 QC Sample: L2460992-03 Client ID: MW-01_20241018						
Chromium, Hexavalent	ND	ND	mg/l	NC		20



Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460992-01A	Vial HCl preserved	E	NA		2.0	Y	Absent		NYTCL-8260(14)
L2460992-01B	Vial HCl preserved	E	NA		2.0	Y	Absent		NYTCL-8260(14)
L2460992-01C	Vial HCl preserved	E	NA		2.0	Y	Absent		NYTCL-8260(14)
L2460992-01D	Amber 100ml unpreserved	E	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-01E	Amber 100ml unpreserved	E	7	7	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-01F	Amber 120ml unpreserved	E	7	7	2.0	Y	Absent		NYTCL-8081(7)
L2460992-01G	Amber 120ml unpreserved	E	7	7	2.0	Y	Absent		NYTCL-8081(7)
L2460992-01H	Amber 120ml unpreserved	E	7	7	2.0	Y	Absent		NYTCL-8082-LVI(365)
L2460992-01J	Amber 120ml unpreserved	E	7	7	2.0	Y	Absent		NYTCL-8082-LVI(365)
L2460992-01K	Plastic 250ml unpreserved	E	7	7	2.0	Y	Absent		HEXCR-7196(1)
L2460992-01L	Plastic 250ml unpreserved	E	7	7	2.0	Y	Absent		-
L2460992-01M	Plastic 250ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		FE-6020T(180),SE-6020T(180),BA-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),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2460992-01N	Plastic 250ml NaOH preserved	E	>12	>12	2.0	Y	Absent		TCN-9010(14)
L2460992-01O	Amber 1L unpreserved	E	7	7	2.0	Y	Absent		A2-TPHDRO/ORO(7)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:11082414:54
Lab Number: L2460992
Report Date: 11/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460992-01P	Amber 1L unpreserved	E	7	7	2.0	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-01Q	Amber 1L HCl preserved	E	<2	<2	2.0	Y	Absent		EPH-20(14)
L2460992-01R	Amber 1L HCl preserved	E	<2	<2	2.0	Y	Absent		EPH-20(14)
L2460992-01X	Plastic 120ml HNO3 preserved Filtrates	E	NA		2.0	Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NI-6020S(180),NA-6020S(180),BA-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)
L2460992-02A	Vial HCl preserved	E	NA		2.0	Y	Absent		NYTCL-8260(14)
L2460992-02B	Vial HCl preserved	E	NA		2.0	Y	Absent		NYTCL-8260(14)
L2460992-02C	Vial HCl preserved	E	NA		2.0	Y	Absent		NYTCL-8260(14)
L2460992-02D	Amber 100ml unpreserved	E	8	8	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-02E	Amber 100ml unpreserved	E	8	8	2.0	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-02F	Amber 120ml unpreserved	E	8	8	2.0	Y	Absent		NYTCL-8081(7)
L2460992-02G	Amber 120ml unpreserved	E	8	8	2.0	Y	Absent		NYTCL-8081(7)
L2460992-02H	Amber 120ml unpreserved	E	8	8	2.0	Y	Absent		NYTCL-8082-LVI(365)
L2460992-02J	Amber 120ml unpreserved	E	8	8	2.0	Y	Absent		NYTCL-8082-LVI(365)
L2460992-02K	Plastic 250ml unpreserved	E	8	8	2.0	Y	Absent		HEXCR-7196(1)
L2460992-02L	Plastic 250ml unpreserved	E	8	8	2.0	Y	Absent		-
L2460992-02M	Plastic 250ml HNO3 preserved	E	<2	<2	2.0	Y	Absent		FE-6020T(180),TL-6020T(180),SE-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),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L2460992-02N	Plastic 250ml NaOH preserved	E	>12	>12	2.0	Y	Absent		TCN-9010(14)
L2460992-02O	Amber 1L unpreserved	E	8	8	2.0	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-02P	Amber 1L unpreserved	E	8	8	2.0	Y	Absent		A2-TPHDRO/ORO(7)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:11082414:54
Lab Number: L2460992
Report Date: 11/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460992-02Q	Amber 1L HCl preserved	E	<2	<2	2.0	Y	Absent		EPH-20(14)
L2460992-02R	Amber 1L HCl preserved	E	<2	<2	2.0	Y	Absent		EPH-20(14)
L2460992-02X	Plastic 120ml HNO3 preserved Filtrates	E	NA		2.0	Y	Absent		CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),BA-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2460992-03A	Vial HCl preserved	C	NA		1.9	Y	Absent		NYTCL-8260(14)
L2460992-03A1	Vial HCl preserved	C	NA		1.9	Y	Absent		NYTCL-8260(14)
L2460992-03A2	Vial HCl preserved	D	NA		2.1	Y	Absent		NYTCL-8260(14)
L2460992-03B	Vial HCl preserved	C	NA		1.9	Y	Absent		NYTCL-8260(14)
L2460992-03B1	Vial HCl preserved	C	NA		1.9	Y	Absent		NYTCL-8260(14)
L2460992-03B2	Vial HCl preserved	D	NA		2.1	Y	Absent		NYTCL-8260(14)
L2460992-03C	Vial HCl preserved	C	NA		1.9	Y	Absent		NYTCL-8260(14)
L2460992-03C1	Vial HCl preserved	C	NA		1.9	Y	Absent		NYTCL-8260(14)
L2460992-03C2	Vial HCl preserved	D	NA		2.1	Y	Absent		NYTCL-8260(14)
L2460992-03D	Amber 100ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-03D1	Amber 100ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-03D2	Amber 100ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-03E	Amber 100ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-03E1	Amber 100ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-03E2	Amber 100ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-03F	Amber 120ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8081(7)
L2460992-03F1	Amber 120ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8081(7)
L2460992-03F2	Amber 120ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8081(7)
L2460992-03G	Amber 120ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8081(7)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:11082414:54
Lab Number: L2460992
Report Date: 11/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460992-03G1	Amber 120ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8081(7)
L2460992-03G2	Amber 120ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8081(7)
L2460992-03H	Amber 120ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8082-LVI(365)
L2460992-03H1	Amber 120ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8082-LVI(365)
L2460992-03H2	Amber 120ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8082-LVI(365)
L2460992-03J	Amber 120ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8082-LVI(365)
L2460992-03J1	Amber 120ml unpreserved	C	8	8	1.9	Y	Absent		NYTCL-8082-LVI(365)
L2460992-03J2	Amber 120ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8082-LVI(365)
L2460992-03K	Plastic 250ml unpreserved	C	8	8	1.9	Y	Absent		HEXCR-7196(1)
L2460992-03K1	Plastic 250ml unpreserved	C	8	8	1.9	Y	Absent		HEXCR-7196(1)
L2460992-03K2	Plastic 250ml unpreserved	D	8	8	2.1	Y	Absent		HEXCR-7196(1)
L2460992-03L	Plastic 250ml unpreserved	C	8	8	1.9	Y	Absent		-
L2460992-03L1	Plastic 250ml unpreserved	C	8	8	1.9	Y	Absent		-
L2460992-03L2	Plastic 250ml unpreserved	D	8	8	2.1	Y	Absent		-
L2460992-03M	Plastic 250ml HNO3 preserved	C	<2	<2	1.9	Y	Absent		SE-6020T(180),FE-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),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CO-6020T(180)
L2460992-03M1	Plastic 250ml HNO3 preserved	C	<2	<2	1.9	Y	Absent		SE-6020T(180),FE-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),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CO-6020T(180)
L2460992-03M2	Plastic 250ml HNO3 preserved	D	<2	<2	2.1	Y	Absent		SE-6020T(180),FE-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),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),CO-6020T(180)
L2460992-03N	Plastic 250ml NaOH preserved	C	>12	>12	1.9	Y	Absent		TCN-9010(14)

*Values in parentheses indicate holding time in days

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460992-03N1	Plastic 250ml NaOH preserved	C	>12	>12	1.9	Y	Absent		TCN-9010(14)
L2460992-03N2	Plastic 250ml NaOH preserved	D	>12	>12	2.1	Y	Absent		TCN-9010(14)
L2460992-03O	Amber 1L unpreserved	C	8	8	1.9	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-03O1	Amber 1L unpreserved	C	8	8	1.9	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-03O2	Amber 1L unpreserved	D	8	8	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-03P	Amber 1L unpreserved	C	8	8	1.9	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-03P1	Amber 1L unpreserved	C	8	8	1.9	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-03P2	Amber 1L unpreserved	D	8	8	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-03Q	Amber 1L HCl preserved	C	<2	<2	1.9	Y	Absent		EPH-20(14)
L2460992-03Q1	Amber 1L HCl preserved	C	<2	<2	1.9	Y	Absent		EPH-20(14)
L2460992-03Q2	Amber 1L HCl preserved	C	<2	<2	1.9	Y	Absent		EPH-20(14)
L2460992-03R	Amber 1L HCl preserved	C	<2	<2	1.9	Y	Absent		EPH-20(14)
L2460992-03R1	Amber 1L HCl preserved	C	<2	<2	1.9	Y	Absent		EPH-20(14)
L2460992-03R2	Amber 1L HCl preserved	D	<2	<2	2.1	Y	Absent		EPH-20(14)
L2460992-03X	Plastic 120ml HNO3 preserved Filtrates	C	NA		1.9	Y	Absent		SE-6020S(180),V-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),ZN-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NA-6020S(180),TL-6020S(180),PB-6020S(180),BA-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2460992-03X1	Plastic 120ml HNO3 preserved Filtrates	C	NA		1.9	Y	Absent		SE-6020S(180),V-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),ZN-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NA-6020S(180),TL-6020S(180),PB-6020S(180),BA-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:11082414:54
Lab Number: L2460992
Report Date: 11/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460992-03X2	Plastic 120ml HNO3 preserved Filtrates	D	NA		2.1	Y	Absent		SE-6020S(180),V-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),ZN-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NA-6020S(180),TL-6020S(180),PB-6020S(180),BA-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2460992-04A	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2460992-04B	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2460992-04C	Vial HCl preserved	B	NA		2.4	Y	Absent		NYTCL-8260(14)
L2460992-04D	Amber 100ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-04E	Amber 100ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-04F	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2460992-04G	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8081(7)
L2460992-04H	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8082-LVI(365)
L2460992-04J	Amber 120ml unpreserved	B	7	7	2.4	Y	Absent		NYTCL-8082-LVI(365)
L2460992-04K	Plastic 250ml unpreserved	B	7	7	2.4	Y	Absent		HEXCR-7196(1)
L2460992-04L	Plastic 250ml unpreserved	B	7	7	2.4	Y	Absent		-
L2460992-04M	Plastic 250ml HNO3 preserved	B	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2460992-04N	Plastic 250ml NaOH preserved	B	>12	>12	2.4	Y	Absent		TCN-9010(14)
L2460992-04O	Amber 1L unpreserved	B	7	7	2.4	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-04P	Amber 1L unpreserved	B	7	7	2.4	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-04Q	Amber 1L HCl preserved	B	<2	<2	2.4	Y	Absent		EPH-20(14)
L2460992-04R	Amber 1L HCl preserved	B	<2	<2	2.4	Y	Absent		EPH-20(14)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:11082414:54
Lab Number: L2460992
Report Date: 11/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460992-04X	Plastic 120ml HNO3 preserved Filtrates	B	NA		2.4	Y	Absent		CU-6020S(180),V-6020S(180),SE-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),SB-6020S(180),AS-6020S(180),AG-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2460992-05A	Vial HCl preserved	D	NA		2.1	Y	Absent		NYTCL-8260(14)
L2460992-05B	Vial HCl preserved	D	NA		2.1	Y	Absent		NYTCL-8260(14)
L2460992-05C	Vial HCl preserved	D	NA		2.1	Y	Absent		NYTCL-8260(14)
L2460992-05D	Amber 100ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-05E	Amber 100ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2460992-05F	Amber 120ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8081(7)
L2460992-05G	Amber 120ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8081(7)
L2460992-05H	Amber 120ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8082-LVI(365)
L2460992-05J	Amber 120ml unpreserved	D	8	8	2.1	Y	Absent		NYTCL-8082-LVI(365)
L2460992-05K	Plastic 250ml unpreserved	D	8	8	2.1	Y	Absent		HEXCR-7196(1)
L2460992-05L	Plastic 250ml unpreserved	D	8	8	2.1	Y	Absent		-
L2460992-05M	Plastic 250ml HNO3 preserved	D	<2	<2	2.1	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-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),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),AG-6020T(180),MG-6020T(180),CO-6020T(180)
L2460992-05N	Plastic 250ml NaOH preserved	D	>12	>12	2.1	Y	Absent		TCN-9010(14)
L2460992-05O	Amber 1L unpreserved	D	8	8	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-05P	Amber 1L unpreserved	D	8	8	2.1	Y	Absent		A2-TPHDRO/ORO(7)
L2460992-05Q	Amber 1L HCl preserved	D	<2	<2	2.1	Y	Absent		EPH-20(14)
L2460992-05R	Amber 1L HCl preserved	D	<2	<2	2.1	Y	Absent		EPH-20(14)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:11082414:54
Lab Number: L2460992
Report Date: 11/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2460992-05X	Plastic 120ml HNO3 preserved Filtrates	D	NA		2.1	Y	Absent		SE-6020S(180),CU-6020S(180),V-6020S(180),K-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),PB-6020S(180),BA-6020S(180),NI-6020S(180),NA-6020S(180),TL-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2460992-06A	Vial HCl preserved	C	NA		1.9	Y	Absent		NYTCL-8260(14)
L2460992-06B	Vial HCl preserved	C	NA		1.9	Y	Absent		NYTCL-8260(14)

Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2460992
Report Date: 11/08/24

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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: BUD NORTH**Lab Number:** L2460992**Project Number:** 200112**Report Date:** 11/08/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

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, 2,6-Dichlorophenol.

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.

Page 168 of 169

[illegible]

December 6, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2460992

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Alpha Analytical for four water samples, one field blank and one trip blank from the Bud North site, which were reported in a single data package under Job No. L2460992 has been completed. The following samples were reported:

MW-03_20241018	MW-02_20241018
MW-01_20241018	FB_20241018
MW-0X_20241018	TB_20241018

Analyses were performed in accordance with USEPA Methods 8260D (Volatile Organics), 8270D &E (Semi-Volatile Organics), 8082A (PCBs), 8081B (Pesticides), MA EPH Rev. 2.1 (Aliphatic Hydrocarbons), 8015D (Total Petroleum Hydrocarbons), 6020B (Metals), 7470A (Mercury), 9010C (Cyanide) and 7196a (Hexavalent chromium). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes

5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result. When a result is rejected (R) the 'R' qualifier takes precedence over any previous qualification.

Volatile Organics

- The result for vinyl acetate in all samples are qualified as estimated (UJ) due to high percent difference in the ICV.
- The result for acetone in MW-01_20241018, MW-02_20241018, MW-03_20241018 and MW-0X_20241018 is qualified as estimated (J) due to high RPD between the LCS and LCSD.
- The results for carbon disulfide and naphthalene in MW-01_20241018 are qualified as estimated (J+) due to high MS and/or MSD recoveries. The result for acetone is qualified as estimated (J) due to low MS recovery and high RPD between the MS and MSD.
- The result for naphthalene in MW-01_20241018, MW-02_20241018, MW-03_20241018 and MW-0X_20241018 is qualified as estimated (J, UJ) due to high RPD (>30) in field duplicate samples.

Semi-Volatile Organics (Full Scan)

- The results for all target acid extractable analytes except pentachlorophenol in MW-03_20241018, MW-02_20241018, MW-01_20241018, MW-0X_20241018 and FB_20241018 are qualified as estimated (UJ) because two or more acid surrogates exhibited low recoveries.
- The results for all target analytes *except* 2,4-dinitrophenol in MW-03_20241018, MW-02_20241018, MW-01_20241018, FB_20241018 and MW-0X_20241018 are qualified as estimated (J, UJ) due to low recovery in the LCS and/or LCSD and high RPD between the LCS and LCSD.

- The results for 2,4,6-trichlorophenol, 2-chlorophenol, 2,4-dichlorophenol, 2-nitrophenol, 4-nitrophenol, 2,4-dinitrophenol, 4,6-dinitro-o-cresol, phenol, 3&4-methylphenol, 2,4,5-trichlorophenol, 2-chlorophenol, 2,4-dichlorophenol, and 2-nitrophenol in MW-01_20241018 are qualified as estimated due to low MS and/or MSD recovery and high RPD between the MS and MSD. The nondetect result for 4-nitrophenol in MW-01_20241018 is rejected (R) because the MSD recovery is less than 10%.

Semi-Volatile Organics (Selected Ion Monitoring [SIM])

- The results for pentachlorophenol and naphthalene in MW-01_20241018 are qualified as estimated (UJ) due to low recovery in the MS and/or MSD and high RPD between the MS and MSD.
- The results for benzo(b)fluoranthene, chrysene and benzo(a)pyrene in MW-01_20241018, MW-02_20241018, MW-03_20241018 and MW-0X_20241018 are qualified as estimated (J, UJ) due to high RPD (>30) in field duplicate samples.
- The results for the following samples are qualified as estimated (J) because the ion ratio is outside the acceptance window.
 - MW-03_20241018 – fluoranthene
 - MW-02_20241018 - fluoranthene, benzo[g,h,i]perylene
 - MW-01_20241018 – acenaphthylene, fluoranthene, benzo[g,h,i]perylene
 - MW-0X_20241018 – fluoranthene, benzo(b)fluoranthene

PCBs

- The results for Aroclor 1260 in MW-03_20241018, MW-02_20241018, MW-01_20241018, FB_20241018 and MW-0X_20241018 are qualified as estimated (UJ) due to low response on both columns in the CCV.

Pesticides

- The results for all pesticide analytes in MW-03_20241018, MW-02_20241018, MW-01_20241018, and MW-0X_20241018 are qualified as estimated (UJ) due to low surrogate recoveries on both columns.
- The results for beta-BHC, aldrin, heptachlor epoxide, endrin aldehyde, endrin ketone, dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, endosulfan I, endosulfan II, endosulfan sulfate and methoxychlor in MW-01_20241018 are qualified as estimated (UJ) due to low recovery in the MS and/or MSD and high RPD between the MS and MSD.

MA Extractable Petroleum Hydrocarbons

- Sample results are usable as reported.

Total Petroleum Hydrocarbons

- Sample results are usable as reported.

Metals

- The results for dissolved antimony in MW-02_20241018, MW-03_20241018 and MW-0X_20241018 are qualified as not detected at the reporting limit due to field blank contamination. The result for dissolved thallium MW-0X_20241018 is qualified as not detected at the reporting limit due to associated blank contamination.
- Sample results are qualified as estimated (J+) as indicated in Section H.2, because an interferent above the method detection limit (MDL) is detected in ICSA that is not present in ICSA.
- The result for total selenium in MW-01_20241018 is qualified as estimated (UJ) due to low recovery in the MS and MSD.

Cyanide

- The result for cyanide in MW-01_20241018 is qualified as estimated (J+) due to high MSD recovery.

Hexavalent chromium

- The result for hexavalent chromium in MW-01_20241018 is qualified as estimated (UJ) due to low recovery in the MS and MSD.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B. Pages from the data package illustrating the exceedances and issues described in this validation report are included in Attachment C.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method blanks
 - Field blanks

- Trip Blanks
- Surrogate recoveries
- LCS/LCSD recoveries
- MS/MSD recoveries
- Internal standards
- Serial dilutions
- Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting sample collection date of October 18, 2024. The samples were received at the laboratory on the same day as sample collection. All samples were received intact and analyzed within method holding time.

A. Volatile Organics

1. Calibration

One initial calibration (IC) was performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%D$), with the exception noted below.

Analyte	%D	Associated Sample	Qualifier Applied
<i>ICV Elaine 10/11/2024</i>			
Vinyl acetate	33.7	MW-03_20241018 MW-02_20241018 MW-01_20241018 FB_20241018 MW-0X_20241018	UJ

Analyte	%D	Associated Sample	Qualifier Applied
		TB_20241018	

The result for vinyl acetate in all samples are qualified as estimated (UJ) due to high percent difference in the ICV. One CCV was analyzed in support of sample analysis and all percent differences (%Ds) are acceptable (<20%D).

2. Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

One LCS/LCSD pair was analyzed in support of sample analysis. The laboratory control limits are excessively low and, in several instances, low and wide. The LCS/LCSD are evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions. Where the recovery is high and the analytes are not detected in the associated samples, no qualification of results is warranted. These are not detailed below.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
WG1988958-3 & 4				
Acetone	a	a	27	MW-01_20241018 MW-02_20241018 MW-03_20241018 MW-0X_20241018

a=acceptable

The result for acetone in MW-01_20241018, MW-02_20241018, MW-03_20241018 and MW-0X_20241018 is qualified as estimated (J) due to high RPD between the LCS and LCSD.

3. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on sample MW-01_20241018. The MS/MSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Carbon disulfide	140	150	a
Acetone	a	41	42
Naphthalene	150	a	a

The results for carbon disulfide and naphthalene in MW-01_20241018 are qualified as estimated (J+) due to high MS and/or MSD recoveries. The result for acetone is qualified as

estimated (J) due to low MS recovery and high RPD between the MS and MSD.

4. Field Duplicates

MW-0X_20241018 was submitted as a field duplicate of MW-02_20241018. Precision between paired samples is presented below.

Analyte	MW-02_20241018 (µg/L)	MW-0X_20241018 (µg/L)	RPD
Toluene	0.77 J	(2.5 U)	nc
Acetone	1.7 J	2.6 J	nc
Benzene	2.3	1.6	36
Naphthalene	15	12	22

nc-not calculated

The result for naphthalene in MW-01_20241018, MW-02_20241018, MW-03_20241018 and MW-0X_20241018 are qualified as estimated (J, UJ) due to high RPD (>30) in field duplicate samples.

B. Semi-Volatile Organics (Full Scan Analysis)

1. Surrogates

The laboratory control limits are excessively low. Surrogates are evaluated using control limit of 50-130%R. All surrogate recoveries are acceptable with the following exceptions:

Sample	Surrogate	%R
MW-03_20241018	2-Fluorophenol	45
	Phenol-d ₆	31
MW-02_20241018	2-Fluorophenol	27
	Phenol-d ₆	28
	2,4,6-Tribromophenol	46
MW-01_20241018	2-Fluorophenol	23
	Phenol-d ₆	24
	2,4,6-Tribromophenol	35
MW-0X_20241018	2-Fluorophenol	15
	Phenol-d ₆	18
	2,4,6-Tribromophenol	23
FB_20241018	2-Fluorophenol	31
	Phenol-d ₆	22
	2,4,6-Tribromophenol	47

The results for all target acid extractable analytes *except* pentachlorophenol in MW-03_20241018, MW-02_20241018, MW-01_20241018, MW-0X_20241018 and FB_20241018 are qualified as estimated (UJ) because two or more acid surrogates exhibited low recoveries.

2. Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

One LCS/LCSD pair was analyzed in support of sample analysis. The laboratory control limits are excessively low and, in several instances, low and wide. The LCS/LCSD are evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions. Where the recovery is high and the analytes are not detected in the associated samples, no qualification of results is warranted. These are not detailed below.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
WG1988740-2&3				
Acenaphthene	a	51	38	MW-03_20241018
1,2,4-Trichlorobenzene	67	49	31	MW-02_20241018
Hexachlorobenzene	a	50	37	MW-01_20241018
Bis(2-chloroethyl)ether	a	50	37	FB_20241018
2-Chloronaphthalene	68	48	34	MW-0X_20241018
1,2-Dichlorobenzene	65	48	30	
1,3-Dichlorobenzene	65	46	34	
1,4-Dichlorobenzene	66	48	32	
3,3'-Dichlorobenzidine	83	53	44	
2,4-Dinitrotoluene	a	52	41	
2,6-Dinitrotoluene	a	49	42	
Fluoranthene	a	51	43	
4-Chlorophenyl phenyl ether	a	49	41	
4-Bromophenyl phenyl ether	a	48	40	
Bis(2-chloroisopropyl)ether	a	54	30	
Bis(2-chloroethoxy)methane	a	53	37	
Hexachlorobutadiene	62	45	32	
Hexachlorocyclopentadiene	50	36	33	
Hexachloroethane	65	48	30	
Isophorone	a	51	34	
Naphthalene	67	48	33	
Nitrobenzene	a	53	32	
NDPA/DPA	a	53	41	
n-Nitrosodi-n-propylamine	a	52	35	
Bis(2-ethylhexyl)phthalate	a	46	44	
Butyl benzyl phthalate	a	50	40	

Di-n-butylphthalate	a	46	44
Di-n-octylphthalate	a	46	44
Diethyl phthalate	a	51	38
Dimethyl phthalate	a	50	36
Benzo(a)anthracene	a	51	44
Benzo(a)pyrene	a	57	44
Benzo(b)fluoranthene	a	53	47
Benzo(k)fluoranthene	a	56	46
Chrysene	a	52	45
Acenaphthylene	a	48	37
Anthracene	a	51	43
Benzo(ghi)perylene	a	54	47
Fluorene	a	52	40
Phenanthrene	a	52	41
Dibenzo(a,h)anthracene	a	53	47
Indeno(1,2,3-cd)pyrene	a	52	46
Pyrene	a	52	42
Biphenyl	a	51	37
4-Chloroaniline	63	45	33
2-Nitroaniline	a	51	37
3-Nitroaniline	a	53	41
4-Nitroaniline	a	54	43
Dibenzofuran	a	51	37
2-Methylnaphthalene	a	49	35
1,2,4,5-Tetrachlorobenzene	67	49	31
Acetophenone	a	56	32
2,4,6-Trichlorophenol	66	46	36
p-Chloro-m-cresol	a	51	38
2-Chlorophenol	a	50	33
2,4-Dichlorophenol	a	51	33
2,4-Dimethylphenol	66	45	38
2-Nitrophenol	a	52	35
4-Nitrophenol	54	39	32
4,6-Dinitro-o-cresol	a	60	31
Phenol	40	27	39
2-Methylphenol	65	47	32
3&4-Methylpheno	65	46	34
2,4,5-Trichlorophenol	a	48	40
Benzoic Acid	a	68	a
Benzyl Alcohol	68	48	34
Carbazole	a	52	42

a=acceptable

The results for all target analytes except 2,4-dinitrophenol in MW-03_20241018, MW-02_20241018, MW-01_20241018, FB_20241018 and MW-0X_20241018 are qualified as estimated (J, UJ) due to low recovery in the LCS and/or LCSD and high RPD between the LCS and CLSD.

3. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on sample MW-01_20241018. The MS/MSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
2,4,6-Trichlorophenol	21	15	34
2-Chlorophenol	30	27	34
2,4-Dichlorophenol	30	28	a
2-Nitrophenol	29	25	a
4-Nitrophenol	15	9	a
2,4-Dinitrophenol	a	65	55
4,6-Dinitro-o-cresol	32	26	a
Phenol	26	23	a
3&4-Methylphenol	60	60	a
2,4,5-Trichlorophenol	27	21	a
2-Chlorophenol	30	15	a
2,4-Dichlorophenol	30	27	34
2-Nitrophenol	29	28	11
4-Nitrophenol	15	25	a

a=acceptable

The results for 2,4,6-trichlorophenol, 2-chlorophenol, 2,4-dichlorophenol, 2-nitrophenol, 4-nitrophenol, 2,4-dinitrophenol, 4,6-dinitro-o-cresol, phenol, 3&4-methylphenol, 2,4,5-trichlorophenol, 2-chlorophenol, 2,4-dichlorophenol, and 2-nitrophenol in MW-01_20241018 are qualified as estimated due to low MS and/or MSD recovery and high RPD between the MS and MSD. The nondetect result for 4-nitrophenol in MW-01_20241018 is rejected (R) because the MSD recovery is less than 10%.

4. Field Duplicates

MW-0X_20241018 was submitted as a field duplicate of MW-02_20241018. Precision between paired samples is acceptable (RPD ≤ 30) as presented below. Results below the reporting limit are not evaluated.

Analyte	MW-02_20241018 (µg/L)	MW-0X_20241018 (µg/L)	RPD
Dibenzofuran	6.7	5.9	13
Carbazole	7.6	5.7	29
Biphenyl	0.83 J	0.66 J	nc

nc-not calculated

C. Semi-Volatile Organics (Selected Ion Monitoring {SIM})

1. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on sample MW-01_20241018. The MS/MSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 30. All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Pentachlorophenol	30	17	55
Naphthalene	a	40	a

The results pentachlorophenol and naphthalene in MW-01_20241018 is qualified as estimated (U) due to low recovery in the MS and/or MSD and high RPD between the MS and MSD.

2. Field Duplicates

MW-0X_20241018 was submitted as a field duplicate of MW-02_20241018. Precision between paired samples is presented below. Results below the reporting limit are not evaluated.

Analyte	MW-02_20241018 (µg/L)	MW-0X_20241018 (µg/L)	RPD
Hexachlorobenzene	0.02 J	(0.01 U)	nc
Anthracene	3.4	3.1	9
Pyrene	3	2.4	22
Benzo(g,h,i)Perylene	0.09 J	(0.02 U)	nc
Indeno(1,2,3-c,d)Pyrene	0.1 J	(0.02 U)	nc
Benzo(b)Fluoranthene	0.18	0.06 J	100
Fluoranthene	4.6	3.7	22
Benzo(k)Fluoranthene	0.09 J	(0.03 U)	nc
Acenaphthylene	0.7	0.58	19
Chrysene	0.2	0.09 J	76
Benzo(a)Pyrene	0.14	0.04 J	111

Dibenz(a,h)Anthracene	0.05 J	(0.02 U)	nc
Benzo(a)Anthracene	0.38	0.17	74
Acenaphthene	4.6	3.9	16
Phenanthrene	24	23	4
Fluorene	9.1	8.4	8
Naphthalene	7.2	6.4	12
2-Methylnaphthalene	1.7	1.6	6

nc-not calculated

The results for benzo(b)fluoranthene, chrysene and benzo(a)pyrene in MW-01_20241018, MW-02_20241018, MW-03_20241018 and MW-0X_20241018 are qualified as estimated (J, UJ) due to high RPD (>30) in field duplicate samples.

3. Compound Identification

For SIM analysis, analyte identification is based on retention time and verifying that the ratio of the quantitation ion to the confirmation ion is within an absolute $\pm 20\%$ of the ratio observed in a mid-range calibration standard. When the ratio is outside the established window, the identification of the analyte is not confirmed and the results are qualitatively and quantitatively uncertain. The results for the following samples are qualified as estimated (J) because the ion ratio is outside the acceptance window.

- MW-03_20241018 – fluoranthene
- MW-02_20241018 - fluoranthene, benzo[g,h,i]perylene
- MW-01_20241018 – acenaphthylene, fluoranthene, benzo[g,h,i]perylene
- MW-0X_20241018 - fluoranthene, benzo(b)fluoranthene

D. PCBs

1. Calibration

One initial calibration (IC) was performed in support of the sample analyses. All relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%D$). Two CCVs were analyzed in support of sample analysis. All percent differences ($\%Ds$) are acceptable ($\leq 20\%D$) with the exceptions noted below.

Analyte	%D Column 1	%D Column 2	Associated Sample	Qualifier Applied
CCV PEST 23 10/25/24 08:18				
Aroclor 1260-3	22.2	20.9	MW-03_20241018	UJ
Aroclor 1260-4	22.7	a	MW-02_20241018	
			MW-01_20241018	

Analyte	%D Column 1	%D Column 2	Associated Sample	Qualifier Applied
			FB_20241018 MW-OX_20241018	

a=acceptable

The results for Aroclor 1260 in MW-03_20241018, MW-02_20241018, MW-01_20241018, FB_20241018 and MW-OX_20241018 are qualified as estimated (UJ) due to low response on both columns in the CCV.

E. Pesticides

1. Surrogates

The laboratory control limits are excessively low. Surrogates are evaluated using control limit of 50-130%R. All surrogate recoveries are acceptable with the following exceptions:

Sample	TCX Column 1	TCX Column 1	DCB Column 1	DCB Column 2
MW-03_20241018	47	46	37	a
MW-02_20241018	49	35	43	a
MW-01_20241018	39	34	34	49
MW-OX_20241018	48	39	49	a

a=acceptable

The results for all pesticide analytes in MW-03_20241018, MW-02_20241018, MW-01_20241018, and MW-OX_20241018 are qualified as estimated (UJ) due to low surrogate recoveries on both columns.

2. Matrix Spike

MS/MSD analyses were performed on sample MW-01_20241018. The MS/MSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Beta-BHC	49	a	41
Aldrin	46	a	a
Heptachlor epoxide	38	40	a
Endrin aldehyde	32	32	a
Endrin ketone	43	46	a
Dieldrin	45	49	a
4,4'-DDE	43	45	a
4,4'-DDD	41	44	a

4,4'-DDT	40	44	a
Endosulfan I	42	43	a
Endosulfan II	41	46	a
Endosulfan sulfate	41	43	a
Methoxychlor	46	45	a

The results for beta-BHC, aldrin, heptachlor epoxide, endrin aldehyde, endrin ketone, dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, endosulfan I, endosulfan II, endosulfan sulfate and methoxychlor in MW-01_20241018 are qualified as estimated (UJ) due to low recovery in the MS and/or MSD and high RPD between the MS and MSD.

F. MA Extractable Petroleum Hydrocarbons

No qualification of samples results is made as a result of the data review effort.

G. Total Petroleum Hydrocarbons

No qualification of samples results is made as a result of the data review effort.

H. Metals including Mercury

1. Blanks

The table below summarizes blank detections that impacted sample results.

Blank	Analyte	Conc. (mg/L)	Sample Affected
FB_20241018 (d)	Antimony (d)	0.00063	MW-02_20241018 (d) MW-03_20241018 (d) MW-0X_20241018 (d)
ICB 10/29/24 06:19	Thallium	0.000294	MW-0X_20241018 (d)
CCB 10/29/24 06:44		0.000307	
CCB 10/29/24 07:48		0.000295	
CCB 10/29/2024 09:51		0.000382	
CCB 10/29/2024 10:51		0.000268	
CCB 10/29/2024 11:50		0.000262	
CCB 10/29/2024 12:55		0.000262	

CCB 10/29/2024 14:02		0.000268	
CCB 10/29/2024 14:49		0.000279	
CCB 10/29/2024 16:07		0.00258	
CCB 10/29/2024 17:21		0.00271	

The results for dissolved antimony in MW-02_20241018, MW-03_20241018 and MW-0X_20241018 are qualified as not detected at the reporting limit due to field blank contamination. The result for dissolved thallium MW-0X_20241018 is qualified as not detected at the reporting limit due to associated blank contamination.

2. Interference Check Standard (ICS)

Sample results are qualified as estimated (J+) as indicated below, because an interferent above the method detection limit (MDL) is detected in ICSA that is not present in ICSA. Sample results greater than ten times the concentration of the interferent are not qualified.

Analyte	Conc (mg/L)	Sample Affected
ISCA 10/29/24 06:26		
Arsenic	0.000425	MW-03_20241018 (d)
Antimony	0.000231	MW-02_20241018 (d) MW-03_20241018 (d) MW-0X_20241018 (d)
Chromium	0.00161	MW-01_20241018 (d) MW-02_20241018 (d) MW-03_20241018 (d) MW-0X_20241018 (d) MW-01_20241018 (t) MW-02_20241018 (t) MW-0X_20241018 (t)
Cobalt	0.00215	MW-01_20241018 (d) MW-02_20241018 (d) MW-0X_20241018 (d) MW-01_20241018 (t) MW-02_20241018 (t) MW-03_20241018 (t)
Copper	0.00104	MW-02_20241018 (d) MW-0X_20241018 (d) MW-01_20241018 (t) MW-02_20241018 (t) MW-03_20241018 (t)

Lead	0.0017	MW-01_20241018 (d) MW-01_20241018 (t) MW-02_20241018 (t) MW-03_20241018(t)
Nickel	0.00268	MW-01_20241018 (d) MW-02_20241018 (d) MW-03_20241018 (d) MW-0X_20241018 (d) MW-01_20241018 (t) MW-02_20241018 (t) MW-03_20241018 (t) MW-0X_20241018 (t)
Zinc	0.00210	MW-03_20241018 (d) MW-01_20241018 (t) MW-02_20241018 (t)

3. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on sample MW-01_20241018. All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
Selenium (t)	21	24	a

The result for total selenium in MW-01_20241018 is qualified as estimated (UJ) due to low recovery in the MS and MSD.

Cyanide

1. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-01_20241018. The recovery of cyanide(138%R) in the MS is outside control limits. The result for cyanide in MW-01_20241018 is qualified as estimated (J+) due to high MSD recovery.

Hexavalent chromium

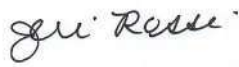
1. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on MW-01_20241018. The recovery of hexavalent chromium(37 / 35%R) in the MS and MSD is outside control limits. The result for hexavalent

chromium in MW-01_20241018 is qualified as estimated (UJ) due to low recovery in the MS and MSD.

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjериrossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeri Rossi", is written over a light gray rectangular background.

Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)



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 2

Date Rec'd
In Lab

10/19/24

L2460992 25OCT24

AKRF - M - 2



Project Information

Project Name: BUD North

Project Location:

Project # 20012

(Use Project name as Project #) ☐

Project Manager:

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: AKRF

Address: 490 Park Ave S

NY NY

Phone:

Fax:

Email: J.Diggins@AKRF.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:

AKRF EQUIS, CATB, Close SPg

Please specify Metals or TAL.

ANALYSIS

8270-SiH-RVT
8081 VITC 8082 LVI
A2-TPH10/10/0
EPH-20
HEXCR
DISSOLV & METALS
Total Hg details
TCN

Sample Filtration

☐ Done

☐ Lab to do

Preservation

☐ Lab to do

(Please Specify below)

Sample Specific Comments

T
O
T
A
L

B
O
T
T
L
E

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection

Date

Time

Sample
Matrix

Sampler's
Initials

60912-01

MW-03_20241018

10/18/24

1240

GW

MB

X

X

X

X

X

X

X

X

X

02

MW-02_20241018

1

1350

1

1

X

X

X

X

X

X

X

X

X

03

MW-01_20241018

1

1545

1

1

X

X

X

X

X

X

X

X

X

04

FB_20241018

1

1500

W

1

X

X

X

X

X

X

X

X

X

05

MW-0X_20241018

1

1230

GW

1

X

X

X

X

X

X

X

X

X

06

TB_20241018

-

-

W

-

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
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Preservative

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

Mike Bates

10/18/24 1700

AKRF

10/18/24 1700

AKRF

10/18/24 1850

AKRF

10/18/24 1850

AKRF

10/19/24 0130

AKRF

10/19/24 0130

Form No: 01-25 HC (rev. 30-Sept-2013)

ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

Laboratory Control Sample Summary

Form 3

Volatiles

Client : AKRF, Inc. **Lab Number** : L2460992
Project Name : BUD NORTH **Project Number** : 200112
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1988958-3 **Analysis Date** : 10/24/24 18:30 **File ID** : VE241024N01
LCSD Sample ID : WG1988958-4 **Analysis Date** : 10/24/24 18:55 **File ID** : VE241024N02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
trans-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Trichloroethene	10	10	100	10	9.9	99	1	70-130	20
1,2-Dichlorobenzene	10	9.7	97	10	9.8	98	1	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	9.9	99	10	9.8	98	1	70-130	20
Methyl tert butyl ether	10	9.2	92	10	9.1	91	1	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	9.7	97	10	9.3	93	4	70-130	20
Dibromomethane	10	9.4	94	10	9.4	94	0	70-130	20
1,2,3-Trichloropropane	10	9.0	90	10	9.1	91	1	64-130	20
Acrylonitrile	10	9.0	90	10	9.7	97	7	70-130	20
Styrene	20	20	100	20	20	100	0	70-130	20
Dichlorodifluoromethane	10	11	110	10	11	110	0	36-147	20
Acetone	10	11	110	10	8.4	84	27 Q	58-148	20
Carbon disulfide	10	11	110	10	11	110	0	51-130	20
2-Butanone	10	11	110	10	9.4	94	16	63-138	20
Vinyl acetate	10	11	110	10	11	110	0	70-130	20
4-Methyl-2-pentanone	10	9.2	92	10	9.6	96	4	59-130	20
2-Hexanone	10	9.4	94	10	9.1	91	3	57-130	20
Bromochloromethane	10	9.8	98	10	9.9	99	1	70-130	20
2,2-Dichloropropane	10	12	120	10	11	110	9	63-133	20
1,2-Dibromoethane	10	9.2	92	10	9.4	94	2	70-130	20
1,3-Dichloropropane	10	9.8	98	10	9.8	98	0	70-130	20
1,1,1,2-Tetrachloroethane	10	9.6	96	10	9.7	97	1	64-130	20
Bromobenzene	10	9.9	99	10	9.8	98	1	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-01_20241018
 Lab Sample ID : L2460992-03
 Matrix Spike : WG1988958-6
 Matrix Spike Dup : WG1988958-7

Lab Number : L2460992
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 10/25/24 02:37
 MS Analysis Date : 10/25/24 04:14
 MSD Analysis Date : 10/25/24 04:38

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Bromomethane	ND	10	7.6	76	10	7.6	76	0	39-139	20
Vinyl chloride	ND	10	13	130	10	12	120	8	55-140	20
Chloroethane	ND	10	12	120	10	11	110	9	55-138	20
1,1-Dichloroethene	ND	10	13	130	10	11	110	17	61-145	20
trans-1,2-Dichloroethene	ND	10	11	110	10	10	100	10	70-130	20
Trichloroethene	ND	10	11	110	10	10	100	10	70-130	20
1,2-Dichlorobenzene	ND	10	9.8	98	10	9.3	93	5	70-130	20
1,3-Dichlorobenzene	ND	10	9.9	99	10	9.4	94	5	70-130	20
1,4-Dichlorobenzene	ND	10	9.8	98	10	9.2	92	6	70-130	20
Methyl tert butyl ether	ND	10	9.9	99	10	9.4	94	5	63-130	20
p/m-Xylene	1.1J	20	23	115	20	20	100	14	70-130	20
o-Xylene	0.97J	20	22	110	20	20	100	10	70-130	20
cis-1,2-Dichloroethene	ND	10	10	100	10	9.9	99	1	70-130	20
Dibromomethane	ND	10	9.9	99	10	9.4	94	5	70-130	20
1,2,3-Trichloropropane	ND	10	9.1	91	10	9.0	90	1	64-130	20
Acrylonitrile	ND	10	9.5	95	10	9.1	91	4	70-130	20
Styrene	ND	20	21	105	20	19	95	10	70-130	20
Dichlorodifluoromethane	ND	10	13	130	10	12	120	8	36-147	20
Acetone	5.7	10	15	93	10	9.8	41 Q	42 Q	58-148	20
Carbon disulfide	2.4J	10	14	140 Q	10	15	150 Q	7	51-130	20
2-Butanone	ND	10	11	110	10	9.1	91	19	63-138	20
Vinyl acetate	ND	10	9.9	99	10	9.4	94	5	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-01_20241018
 Lab Sample ID : L2460992-03
 Matrix Spike : WG1988958-6
 Matrix Spike Dup : WG1988958-7

Lab Number : L2460992
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 10/25/24 02:37
 MS Analysis Date : 10/25/24 04:14
 MSD Analysis Date : 10/25/24 04:38

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
4-Methyl-2-pentanone	ND	10	9.8	98	10	9.5	95	3	59-130	20
2-Hexanone	ND	10	9.3	93	10	9.0	90	3	57-130	20
Bromochloromethane	ND	10	10	100	10	9.9	99	1	70-130	20
2,2-Dichloropropane	ND	10	11	110	10	10	100	10	63-133	20
1,2-Dibromoethane	ND	10	9.6	96	10	9.0	90	6	70-130	20
1,3-Dichloropropane	ND	10	9.9	99	10	9.3	93	6	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.9	99	10	9.2	92	7	64-130	20
Bromobenzene	ND	10	9.7	97	10	9.1	91	6	70-130	20
n-Butylbenzene	ND	10	11	110	10	9.8	98	12	53-136	20
sec-Butylbenzene	ND	10	11	110	10	10	100	10	70-130	20
tert-Butylbenzene	ND	10	11	110	10	10	100	10	70-130	20
o-Chlorotoluene	ND	10	10	100	10	9.5	95	5	70-130	20
p-Chlorotoluene	ND	10	10	100	10	9.6	96	4	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	9.0	90	10	9.0	90	0	41-144	20
Hexachlorobutadiene	ND	10	10	100	10	10	100	0	63-130	20
Isopropylbenzene	ND	10	11	110	10	10	100	10	70-130	20
p-Isopropyltoluene	ND	10	11	110	10	10	100	10	70-130	20
Naphthalene	29	10	44	150 Q	10	42	130	5	70-130	20
n-Propylbenzene	ND	10	11	110	10	9.8	98	12	69-130	20
1,2,3-Trichlorobenzene	ND	10	10	100	10	9.8	98	2	70-130	20
1,2,4-Trichlorobenzene	ND	10	10	100	10	9.9	99	1	70-130	20
1,3,5-Trimethylbenzene	ND	10	11	110	10	10	100	10	64-130	20



Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\241010P-ICAL\
 Data File : VE241010P17.D
 Acq On : 11 Oct 2024 12:31 am
 Operator : ELAINE:PID
 Sample : C8260STD10PPB
 Misc : WG1983987,ICAL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 14 12:17:29 2024
 Quant Method : K:\Elaine\2024\241010P-ICAL\Elaine_241010P_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Oct 14 12:15:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	103	0.00
2 TP	Dichlorodifluoromethane	0.188	0.189	-0.5	91	0.00
3 TP	Chloromethane	0.245	0.279	-13.9	111	0.00
4 TP	Vinyl chloride	0.230	0.240	-4.3	100	0.00
5 TP	Bromomethane	0.080	0.068	15.0	103	0.00
6 TP	Chloroethane	0.135	0.138	-2.2	96	0.00
7 TP	Trichlorofluoromethane	* 10.000	9.940	0.6	98	0.00
8 TP	Ethyl ether	0.079	0.075	5.1	94	0.00
10 TP	1,1-Dichloroethene	0.144	0.151	-4.9	102	0.00
11 TP	Carbon disulfide	0.466	0.440	5.6	91	0.00
12 TP	Freon-113	* 10.000	9.957	0.4	99	0.00
13 TP	Iodomethane	* 10.000	7.226	27.7#	98	0.00
14 TP	Acrolein	0.025	0.024	4.0	102	0.00
15 TP	Methylene chloride	0.200	0.187	6.5	94	0.00
17 TP	Acetone	0.054	0.048	11.1	91	0.00
18 TP	trans-1,2-Dichloroethene	0.175	0.184	-5.1	104	0.00
19 TP	Methyl acetate	0.120	0.113	5.8	97	0.00
21 TP	Methyl tert-butyl ether	0.456	0.458	-0.4	104	0.00
22 TP	tert-Butyl alcohol	0.013	0.013	0.0	101	-0.01
24 TP	Diisopropyl ether	0.839	0.807	3.8	99	0.00
25 TP	1,1-Dichloroethane	0.401	0.407	-1.5	99	0.00
26 TP	Halothane	0.139	0.140	-0.7	97	0.00
27 TP	Acrylonitrile	0.060	0.060	0.0	107	0.00
28 TP	Ethyl tert-butyl ether	0.696	0.646	7.2	96	0.00
29 TP	Vinyl acetate	0.466	0.309	33.7#	73	0.00
30 TP	cis-1,2-Dichloroethene	0.215	0.206	4.2	94	0.00
31 TP	2,2-Dichloropropane	0.238	0.217	8.8	92	0.00
33 TP	Bromochloromethane	0.095	0.089#	6.3	89	0.00
34 TP	Cyclohexane	0.403	0.412	-2.2	97	0.00
35 TP	Chloroform	0.332	0.322	3.0	101	0.00
36 TP	Ethyl acetate	0.178	0.166	6.7	97	0.00
37 TP	Carbon tetrachloride	0.239	0.252	-5.4	100	0.00
38 TP	Tetrahydrofuran	0.052	0.046	11.5	90	0.00
39 S	Dibromofluoromethane	0.234	0.233	0.4	99	0.00
40 TP	1,1,1-Trichloroethane	0.281	0.291	-3.6	101	0.00
42 TP	2-Butanone	0.074	0.070	5.4	95	0.00
43 TP	1,1-Dichloropropene	0.237	0.244	-3.0	99	0.00
45 TP	Benzene	0.801	0.792	1.1	99	0.00
46 TP	tert-Amyl methyl ether	0.490	0.456	6.9	97	0.00

Surrogate Recovery Summary

Form 2

Semivolatiles

Client: AKRF, Inc.
Project Name: BUD NORTH

Lab Number: L2460992
Project Number: 200112
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-03_20241018 (L2460992-01)	45	31	74	65	64	75	0
MW-02_20241018 (L2460992-02)	27	28	71	68	46	78	0
MW-01_20241018 (L2460992-03)	23	24	69	62	35	74	0
FB_20241018 (L2460992-04)	31	22	53	50	47	61	0
MW-0X_20241018 (L2460992-05)	15*	18	61	56	23	70	1
WG1988740-1BLANK	39	29	72	69	62	81	0
WG1988740-2LCS	46	36	73	68	68	76	0
WG1988740-3LCSD	34	24	53	48	47	49	0
MW-01_20241018MS	17*	19	75	67	25	79	1
MW-01_20241018MSD	12*	17	76	66	19	78	1

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-RVT



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : AKRF, Inc. Lab Number : L2460992
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1988740-2 Analysis Date : 10/25/24 03:13 File ID : 988740-2
 LCSD Sample ID : WG1988740-3 Analysis Date : 10/25/24 03:36 File ID : 988740-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acenaphthene	20	15.	75	20	10.	51	38 Q	37-111	30
1,2,4-Trichlorobenzene	20	13.	67	20	9.7	49	31 Q	39-98	30
Hexachlorobenzene	20	14.	73	20	9.9	50	37 Q	40-140	30
Bis(2-chloroethyl)ether	20	15.	73	20	10.	50	37 Q	40-140	30
2-Chloronaphthalene	20	14.	68	20	9.5	48	34 Q	40-140	30
1,2-Dichlorobenzene	20	13.	65	20	9.5	48	30	40-140	30
1,3-Dichlorobenzene	20	13.	65	20	9.2	46	34 Q	40-140	30
1,4-Dichlorobenzene	20	13.	66	20	9.6	48	32 Q	36-97	30
3,3'-Dichlorobenzidine	20	17.	83	20	11.	53	44 Q	40-140	30
2,4-Dinitrotoluene	20	16.	79	20	10.	52	41 Q	48-143	30
2,6-Dinitrotoluene	20	15.	75	20	9.8	49	42 Q	40-140	30
Fluoranthene	20	16.	79	20	10.	51	43 Q	40-140	30
4-Chlorophenyl phenyl ether	20	15.	74	20	9.8	49	41 Q	40-140	30
4-Bromophenyl phenyl ether	20	14.	72	20	9.7	48	40 Q	40-140	30
Bis(2-chloroisopropyl)ether	20	15.	73	20	11.	54	30	40-140	30
Bis(2-chloroethoxy)methane	20	15.	77	20	10.	53	37 Q	40-140	30
Hexachlorobutadiene	20	12.	62	20	8.9	45	32 Q	40-140	30
Hexachlorocyclopentadiene	20	9.9	50	20	7.3	36 Q	33 Q	40-140	30
Hexachloroethane	20	13.	65	20	9.5	48	30	40-140	30
Isophorone	20	14.	72	20	10.	51	34 Q	40-140	30
Naphthalene	20	13.	67	20	9.7	48	33 Q	40-140	30
Nitrobenzene	20	14.	73	20	10.	53	32 Q	40-140	30
NDPA/DPA	20	16.	80	20	10.	53	41 Q	40-140	30
n-Nitrosodi-n-propylamine	20	15.	74	20	10.	52	35 Q	29-132	30
Bis(2-ethylhexyl)phthalate	20	14.	72	20	9.2	46	44 Q	40-140	30
Butyl benzyl phthalate	20	15.	75	20	10.	50	40 Q	40-140	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : AKRF, Inc. Lab Number : L2460992
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1988740-2 Analysis Date : 10/25/24 03:13 File ID : 988740-2
 LCSD Sample ID : WG1988740-3 Analysis Date : 10/25/24 03:36 File ID : 988740-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Di-n-butylphthalate	20	14.	72	20	9.3	46	44 Q	40-140	30
Di-n-octylphthalate	20	14.	72	20	9.1	46	44 Q	40-140	30
Diethyl phthalate	20	15.	75	20	10.	51	38 Q	40-140	30
Dimethyl phthalate	20	14.	72	20	10.	50	36 Q	40-140	30
Benzo(a)anthracene	20	16.	80	20	10.	51	44 Q	40-140	30
Benzo(a)pyrene	20	18.	89	20	11.	57	44 Q	40-140	30
Benzo(b)fluoranthene	20	17.	86	20	10.	53	47 Q	40-140	30
Benzo(k)fluoranthene	20	18.	89	20	11.	56	46 Q	40-140	30
Chrysene	20	16.	82	20	10.	52	45 Q	40-140	30
Acenaphthylene	20	14.	70	20	9.7	48	37 Q	45-123	30
Anthracene	20	16.	79	20	10.	51	43 Q	40-140	30
Benzo(ghi)perylene	20	17.	87	20	11.	54	47 Q	40-140	30
Fluorene	20	16.	78	20	10.	52	40 Q	40-140	30
Phenanthrene	20	16.	79	20	10.	52	41 Q	40-140	30
Dibenzo(a,h)anthracene	20	17.	86	20	10.	53	47 Q	40-140	30
Indeno(1,2,3-cd)pyrene	20	17.	83	20	10.	52	46 Q	40-140	30
Pyrene	20	16.	80	20	10.	52	42 Q	26-127	30
Biphenyl	20	15.	74	20	10.	51	37 Q	40-140	30
4-Chloroaniline	20	13.	63	20	9.0	45	33 Q	40-140	30
2-Nitroaniline	20	15.	74	20	10.	51 Q	37 Q	52-143	30
3-Nitroaniline	20	16.	80	20	11.	53	41 Q	25-145	30
4-Nitroaniline	20	17.	84	20	11.	54	43 Q	51-143	30
Dibenzofuran	20	15.	74	20	10.	51	37 Q	40-140	30
2-Methylnaphthalene	20	14.	70	20	9.8	49	35 Q	40-140	30
1,2,4,5-Tetrachlorobenzene	20	13.	67	20	9.9	49	31 Q	2-134	30
Acetophenone	20	15.	77	20	11.	56	32 Q	39-129	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : AKRF, Inc. Lab Number : L2460992
 Project Name : BUD NORTH Project Number : 200112
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG1988740-2 Analysis Date : 10/25/24 03:13 File ID : 988740-2
 LCSD Sample ID : WG1988740-3 Analysis Date : 10/25/24 03:36 File ID : 988740-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
2,4,6-Trichlorophenol	20	13.	66	20	9.2	46	36 Q	30-130	30
p-Chloro-m-cresol	20	15.	75	20	10.	51	38 Q	23-97	30
2-Chlorophenol	20	14.	70	20	10.	50	33 Q	27-123	30
2,4-Dichlorophenol	20	14.	71	20	10.	51	33 Q	30-130	30
2,4-Dimethylphenol	20	13.	66	20	9.0	45	38 Q	30-130	30
2-Nitrophenol	20	15.	74	20	10.	52	35 Q	30-130	30
4-Nitrophenol	20	11.	54	20	7.8	39	32 Q	10-80	30
2,4-Dinitrophenol	20	21.	105	20	18.	92	13	20-130	30
4,6-Dinitro-o-cresol	20	16.	82	20	12.	60	31 Q	20-164	30
Pentachlorophenol	20	14.	70	20	9.4	47	39 Q	9-103	30
Phenol	20	7.9	40	20	5.4	27	39 Q	12-110	30
2-Methylphenol	20	13.	65	20	9.5	47	32 Q	30-130	30
3-Methylphenol/4-Methylphenol	20	13.	65	20	9.1	46	34 Q	30-130	30
2,4,5-Trichlorophenol	20	14.	72	20	9.7	48	40 Q	30-130	30
Benzoic Acid	20	14.	71	20	14.	68	4	10-164	30
Benzyl Alcohol	20	14.	68	20	9.6	48	34 Q	26-116	30
Carbazole	20	16.	80	20	10.	52 Q	42 Q	55-144	30



Matrix Spike Sample Summary

Form 3

Semivolatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-01_20241018
 Lab Sample ID : L2460992-03
 Matrix Spike : WG1988740-4
 Matrix Spike Dup : WG1988740-5

Lab Number : L2460992
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 10/25/24 06:22
 MS Analysis Date : 10/25/24 05:35
 MSD Analysis Date : 10/25/24 05:59

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Dimethyl phthalate	ND	20	15.	75	20	15.	75	0	40-140	30
Biphenyl	0.80J	20	16.	80	20	16.	80	0	40-140	30
4-Chloroaniline	ND	20	14.	70	20	15.	75	7	40-140	30
2-Nitroaniline	ND	20	15.	75	20	15.	75	0	52-143	30
3-Nitroaniline	ND	20	16.	80	20	16.	80	0	25-145	30
4-Nitroaniline	ND	20	16.	80	20	15.	75	6	51-143	30
Dibenzofuran	4.3	20	20.	79	20	20.	79	0	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	14.	70	20	13.	65	7	2-134	30
Acetophenone	ND	20	16.	80	20	16.	80	0	39-129	30
2,4,6-Trichlorophenol	ND	20	4.1J	21 Q	20	2.9J	15 Q	34 Q	30-130	30
p-Chloro-m-cresol	ND	20	12.	60	20	13.	65	8	23-97	30
2-Chlorophenol	ND	20	6.0	30	20	5.4	27	11	27-123	30
2,4-Dichlorophenol	ND	20	6.0	30	20	5.5	28 Q	9	30-130	30
2,4-Dimethylphenol	ND	20	16.	80	20	16.	80	0	30-130	30
2-Nitrophenol	ND	20	5.7J	29 Q	20	5.0J	25 Q	13	30-130	30
4-Nitrophenol	ND	20	3.0J	15	20	1.7J	9 Q	55 Q	10-80	30
2,4-Dinitrophenol	ND	20	14.J	70	20	13.J	65	7	20-130	30
4,6-Dinitro-o-cresol	ND	20	6.4J	32	20	5.2J	26	21	20-164	30
Phenol	0.38J	20	5.1	26	20	4.6J	23	10	12-110	30
2-Methylphenol	ND	20	14.	70	20	14.	70	0	30-130	30
3-Methylphenol/4-Methylphenol	1.6J	20	12.	60	20	12.	60	0	30-130	30
2,4,5-Trichlorophenol	ND	20	5.4	27 Q	20	4.1J	21 Q	27	30-130	30



Calibration Verification Summary

Form 7

Semivolatiles

Client : AKRF, Inc.
Project Name : BUD NORTH
Instrument ID : SV106
Lab File ID : ADP1024
Sample No : WG1988303-5
Channel :

Lab Number : L2460992
Project Number : 200112
Calibration Date : 10/25/24 01:14
Init. Calib. Date(s) : 10/09/24 10/11/24
Init. Calib. Times : 20:07 15:53

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	116	0
1,4-Dioxane	0.485	0.457	-	5.8	20	134	0
n-Decane	1.486	1.456	-	2	20	133	0
IS3_Acenaphthene-d10	1	1	-	0	20	116	0
Atrazine	0.415	0.341	-	17.8	20	101	0
IS3_Phenanthrene-d10	1	1	-	0	20	125	0
n-Octadecane	0.485	0.41	-	15.5	20	106	0
Parathion	5	4.121	-	17.6	20	117	0
3,3'-Dimethylbenzidine	0.821	0.618	-	24.7*	20	104	0

* Value outside of QC limits.



Matrix Spike Sample Summary

Form 3

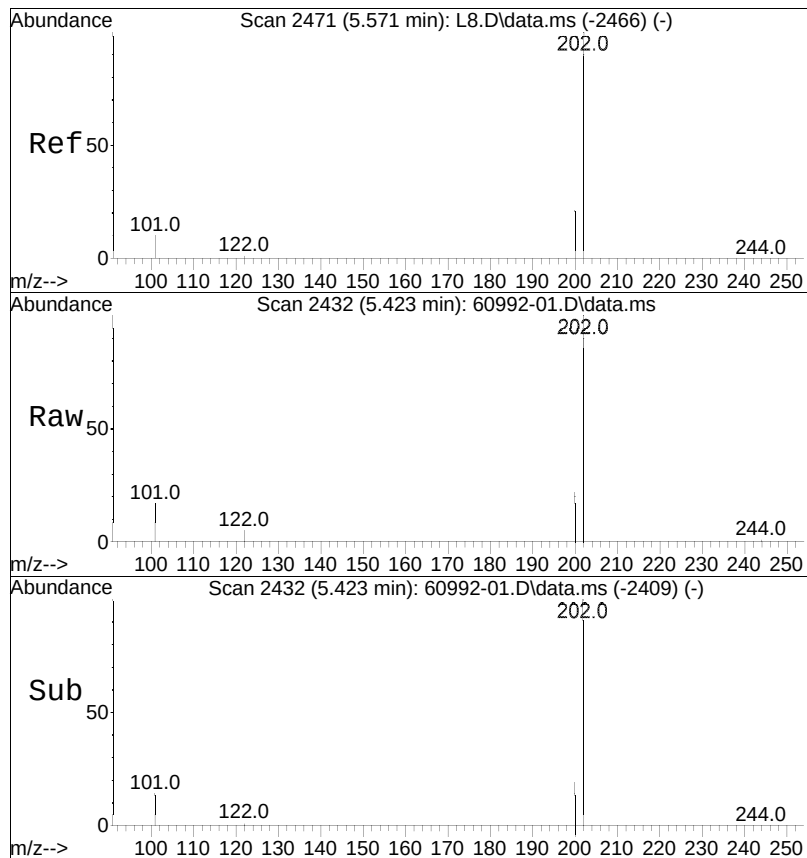
Semivolatiles

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-01_20241018
 Lab Sample ID : L2460992-03
 Matrix Spike : WG1988751-4
 Matrix Spike Dup : WG1988751-5

Lab Number : L2460992
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 10/25/24 14:52
 MS Analysis Date : 10/25/24 14:19
 MSD Analysis Date : 10/25/24 14:36

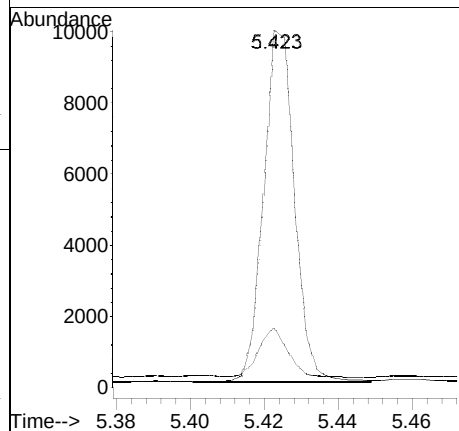
Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Acenaphthene	5.5	20	22	83	20	21	78	5	40-140	40
2-Chloronaphthalene	0.03J	20	13	65	20	13	65	0	40-140	40
Fluoranthene	4.3	20	19	74	20	18	69	5	40-140	40
Hexachlorobutadiene	ND	20	14	70	20	13	65	7	40-140	40
Naphthalene	18	20	33	75	20	26	40	24	40-140	40
Benzo(a)anthracene	0.27	20	21	100	20	20	99	5	40-140	40
Benzo(a)pyrene	0.15	20	20	99	20	19	94	5	40-140	40
Benzo(b)fluoranthene	0.19	20	19	94	20	18	89	5	40-140	40
Benzo(k)fluoranthene	0.06J	20	18	90	20	17	85	6	40-140	40
Chrysene	0.17	20	18	89	20	17	84	6	40-140	40
Acenaphthylene	0.11	20	15	74	20	14	69	7	40-140	40
Anthracene	2.8	20	20	86	20	19	81	5	40-140	40
Benzo(ghi)perylene	0.11	20	21	100	20	20	99	5	40-140	40
Fluorene	8.0	20	23	75	20	22	70	4	40-140	40
Phenanthrene	21	20	38	85	20	36	75	5	40-140	40
Dibenzo(a,h)anthracene	0.03J	20	22	110	20	21	110	5	40-140	40
Indeno(1,2,3-cd)pyrene	0.11	20	23	110	20	22	110	4	40-140	40
Pyrene	2.9	20	18	76	20	18	76	0	40-140	40
2-Methylnaphthalene	2.2	20	16	69	20	15	64	6	40-140	40
Pentachlorophenol	ND	20	6.0	30 Q	20	3.4	17 Q	55 Q	40-140	40
Hexachlorobenzene	0.05J	20	21	110	20	19	95	10	40-140	40
Hexachloroethane	ND	20	16	80	20	15	75	6	40-140	40

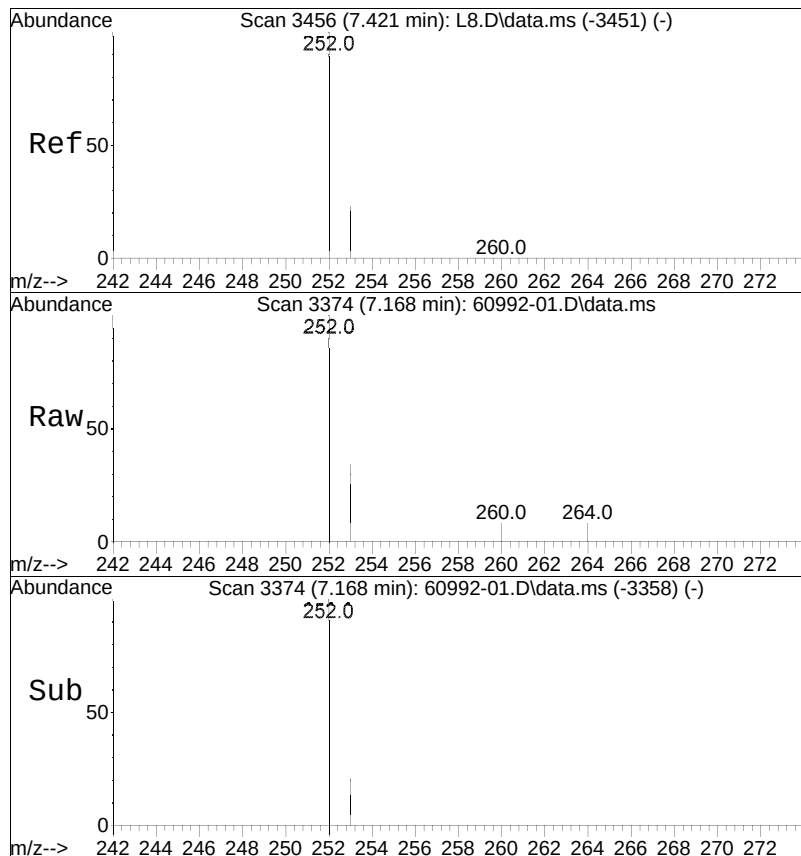




#28
 Fluoranthene
 Concen: 9.93 ng/ml
 RT: 5.423 min Scan# 2432
 Delta R.T. -0.014 min
 Lab File: 60992-01.D
 Acq: 25 Oct 2024 01:45 pm

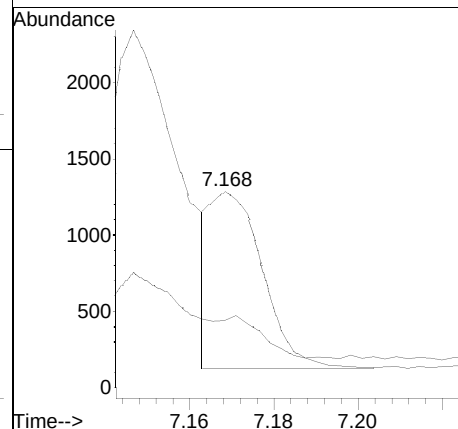
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	8.2	12.2#

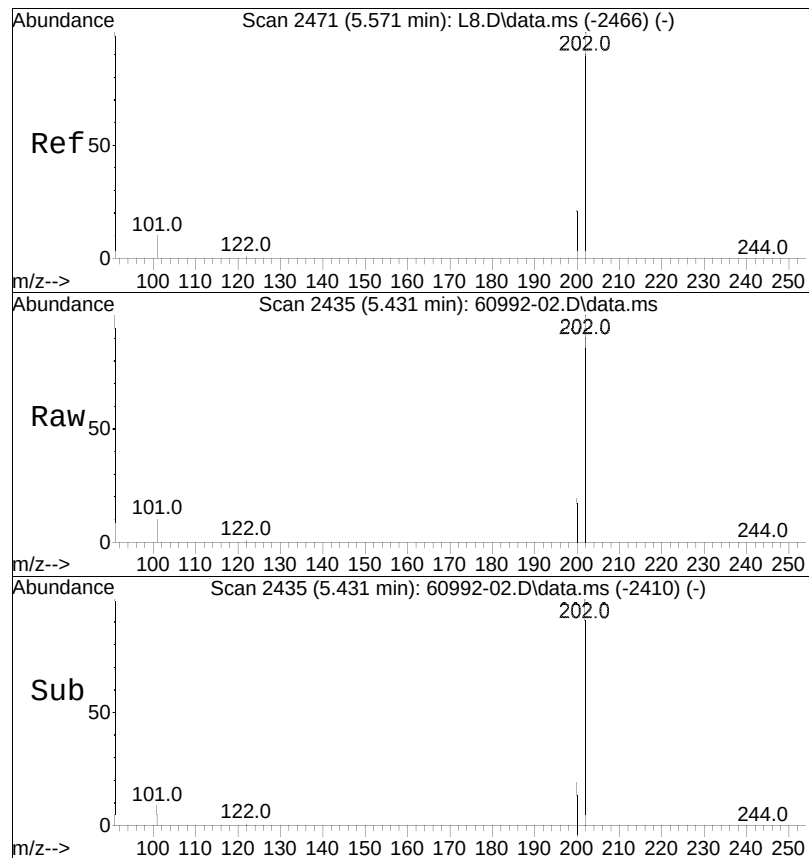




#38
 Benzo[k]fluoranthene
 Concen: 1.90 ng/ml M3
 RT: 7.168 min Scan# 3374
 Delta R.T. -0.038 min
 Lab File: 60992-01.D
 Acq: 25 Oct 2024 01:45 pm

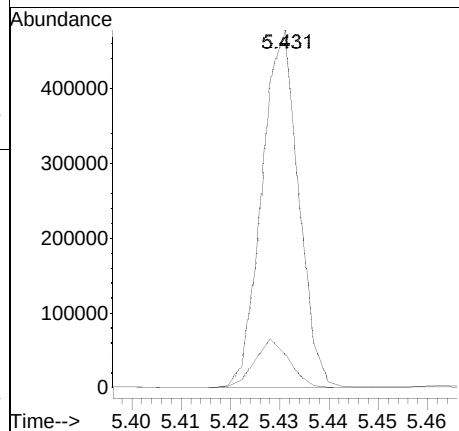
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	16.7	18.2	27.2	

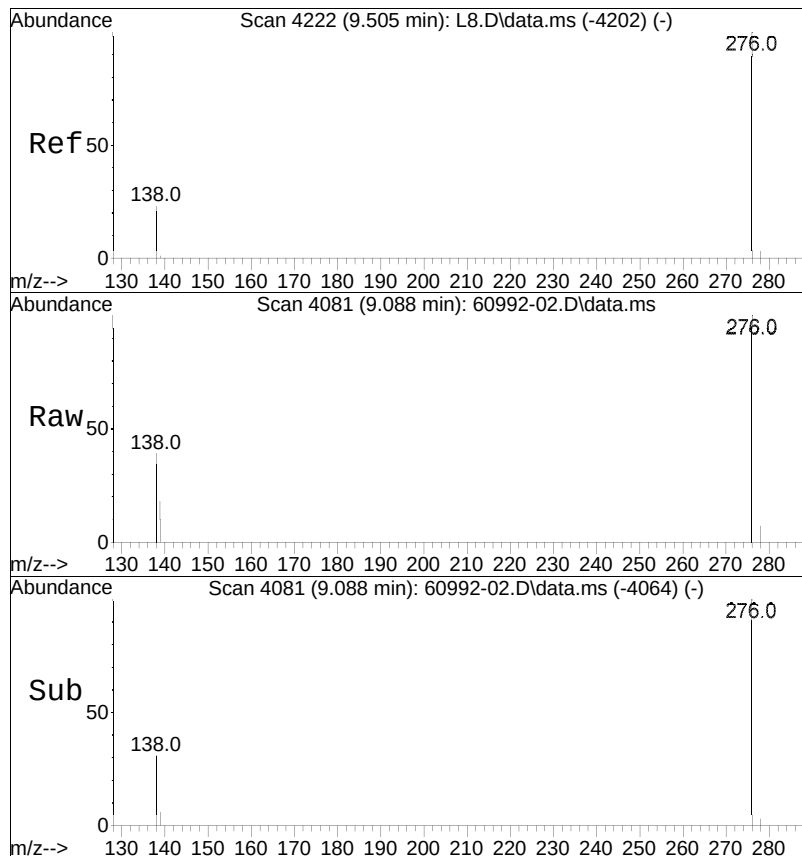




#28
 Fluoranthene
 Concen: 455.94 ng/ml
 RT: 5.431 min Scan# 2435
 Delta R.T. -0.006 min
 Lab File: 60992-02.D
 Acq: 25 Oct 2024 02:02 pm

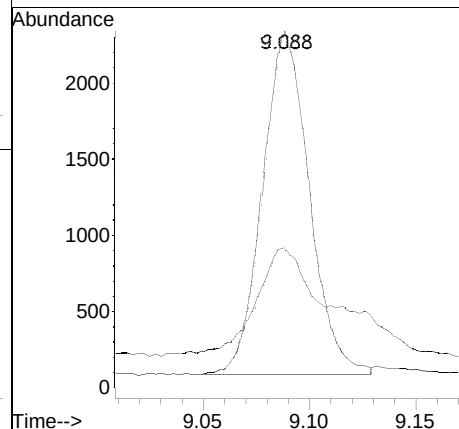
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		244637		
101	12.7	8.2	12.2#		

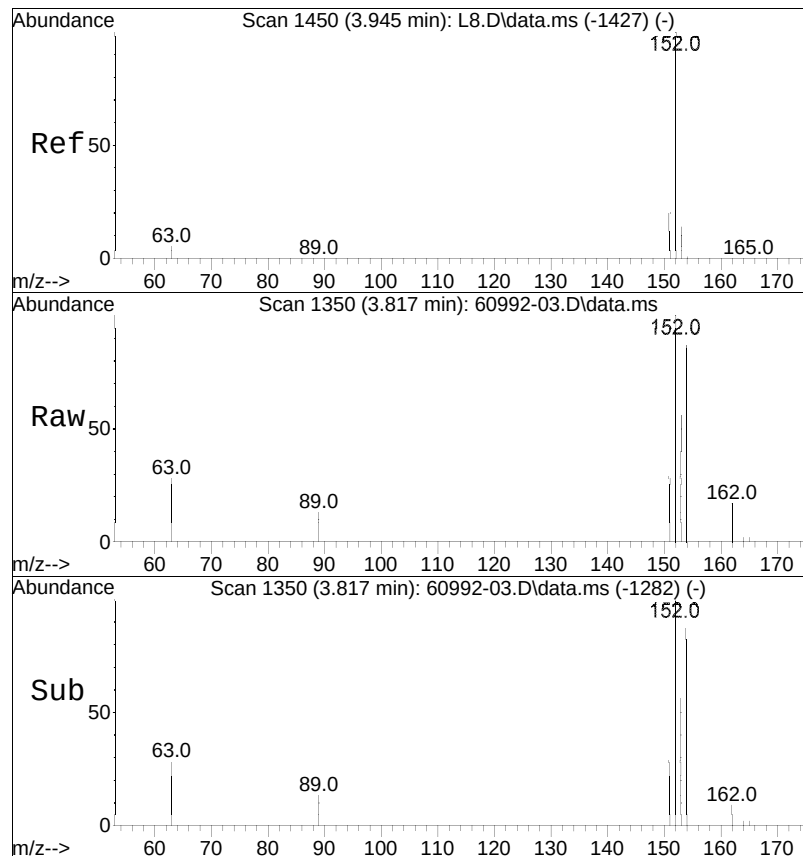




#42
 Benzo[g,h,i]perylene
 Concen: 9.14 ng/ml M6
 RT: 9.088 min Scan# 4081
 Delta R.T. -0.034 min
 Lab File: 60992-02.D
 Acq: 25 Oct 2024 02:02 pm

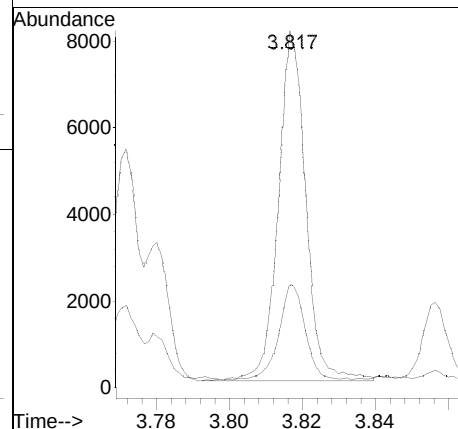
Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.6	18.6	28.0#

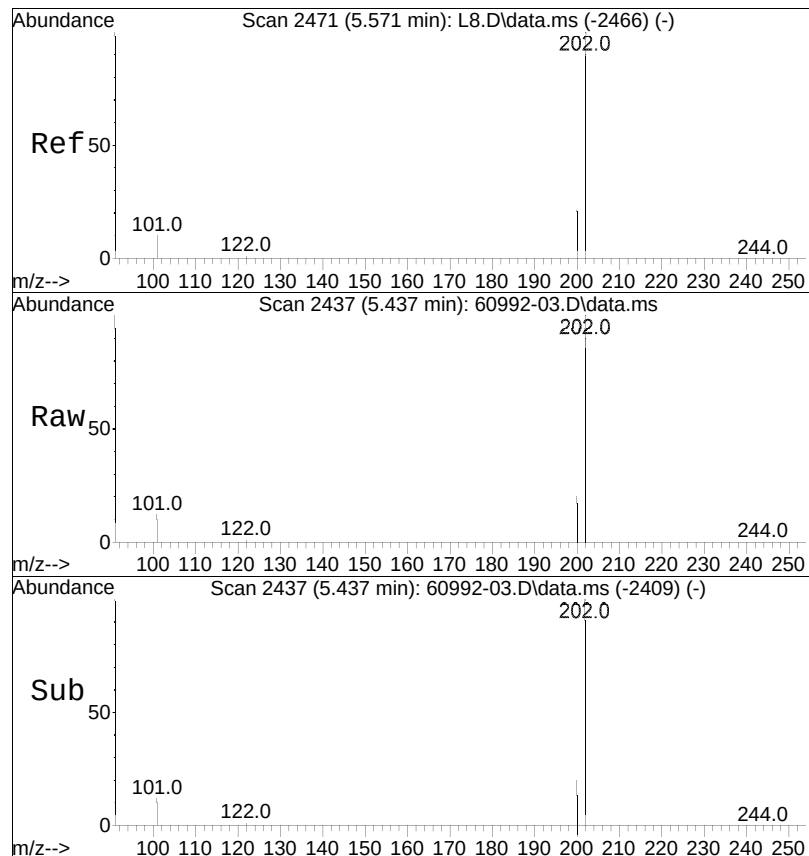




#16
 Acenaphthylene
 Concen: 11.13 ng/ml
 RT: 3.817 min Scan# 1350
 Delta R.T. 0.002 min
 Lab File: 60992-03.D
 Acq: 25 Oct 2024 02:52 pm

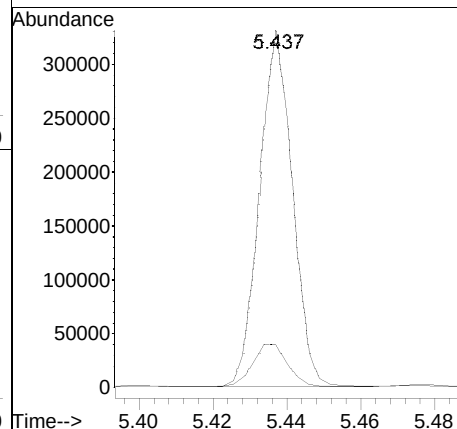
Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.0	15.9	23.9#

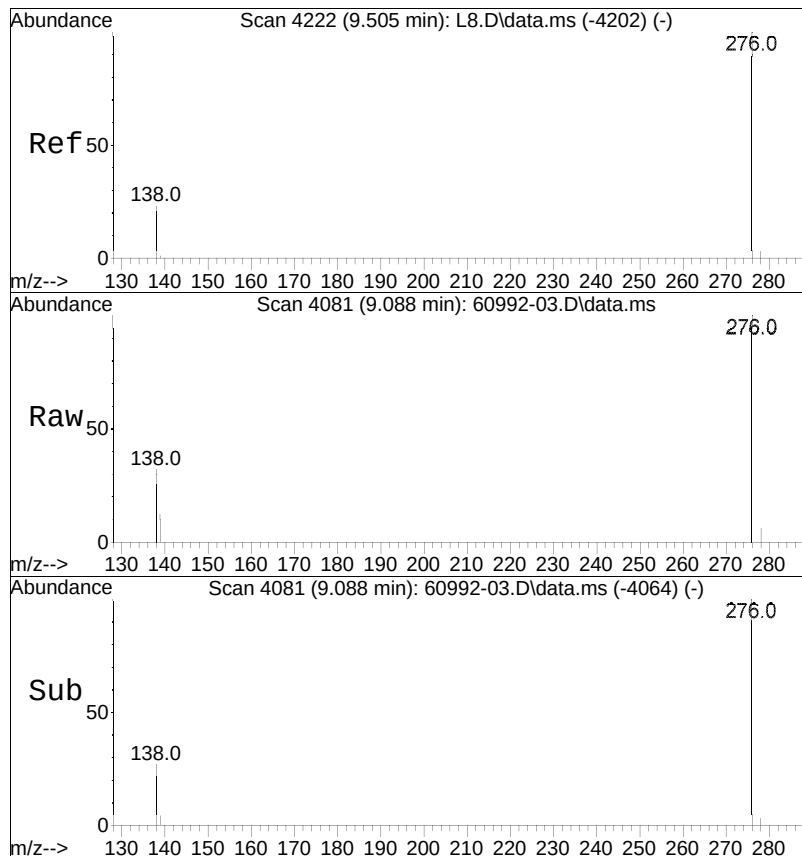




#28
 Fluoranthene
 Concen: 429.83 ng/ml
 RT: 5.437 min Scan# 2437
 Delta R.T. 0.000 min
 Lab File: 60992-03.D
 Acq: 25 Oct 2024 02:52 pm

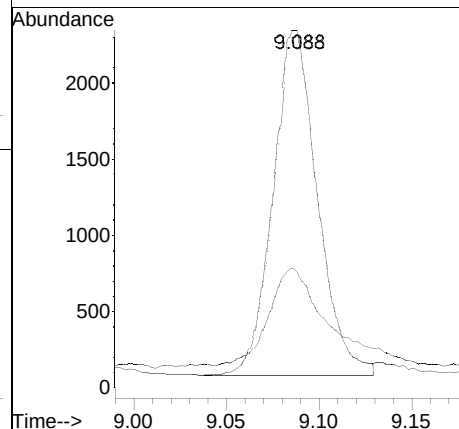
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	12.8	8.2	12.2	





#42
 Benzo[g,h,i]perylene
 Concen: 11.05 ng/ml
 RT: 9.088 min Scan# 4081
 Delta R.T. -0.034 min
 Lab File: 60992-03.D
 Acq: 25 Oct 2024 02:52 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	38.7	18.6	28.0#



Calibration Verification Summary

Form 7

PCBs

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : PEST23
 Lab File ID : 23241025a-04
 Sample No : WG1989058-1
 Channel : A

Lab Number : L2460992
 Project Number : 200112
 Calibration Date : 10/25/24 08:18
 Init. Calib. Date(s) : 09/16/24 09/16/24
 Init. Calib. Times : 15:23 17:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	120	0
2,4,5,6-Tetrachloro-m-xylene	1.384	1.225	-	11.5	20	113	0
Decachlorobiphenyl	1.105	0.944	-	14.6	20	114	-.02
1016-1	0.025	0.021	-	16	20	116	0
1016-2	0.052	0.048	-	7.7	20	124	0
1016-3	0.106	0.092	-	13.2	20	115	.01
1016-4	0.045	0.04	-	11.1	20	123	.01
1016-5	0.045	0.041	-	8.9	20	118	.01
1260-1	0.098	0.087	-	11.2	20	121	.03
1260-2	0.103	0.097	-	5.8	20	128	.03
1260-3	0.063	0.049	-	22.2*	20	105	.03
1260-4	0.141	0.109	-	22.7*	20	102	.03
1260-5	0.101	0.081	-	19.8	20	106	.03

* Value outside of QC limits.



Calibration Verification Summary

Form 7

PCBs

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Instrument ID : PEST23
 Lab File ID : 23241025a-04
 Sample No : WG1989058-1
 Channel : B

Lab Number : L2460992
 Project Number : 200112
 Calibration Date : 10/25/24 08:18
 Init. Calib. Date(s) : 09/16/24 09/16/24
 Init. Calib. Times : 15:23 17:44

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	149	0
2,4,5,6-Tetrachloro-m-xylene	1.635	1.343	-	17.9	20	132	0
Decachlorobiphenyl #2	1.388	1.101	-	20.7*	20	129	-.01
1016-1 #2	0.03	0.023	-	23.3*	20	132	.01
1016-2 #2	0.064	0.052	-	18.8	20	138	.01
1016-3 #2	0.126	0.108	-	14.3	20	143	.02
1016-4 #2	0.047	0.038	-	19.1	20	136	.02
1016-5 #2	0.035	0.027	-	22.9*	20	132	.02
1260-1 #2	0.085	0.073	-	14.1	20	140	.03
1260-2 #2	0.108	0.102	-	5.6	20	149	.03
1260-3 #2	0.067	0.053	-	20.9*	20	123	.03
1260-4 #2	0.157	0.126	-	19.7	20	124	.03
1260-5 #2	0.149	0.12	-	19.5	20	127	.03

* Value outside of QC limits.



Surrogate Recovery Summary

Form 2

Pesticides

Client: AKRF, Inc.
Project Name: BUD NORTH

Lab Number: L2460992
Project Number: 200112
Matrix: Water

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-03_20241018 (L2460992-01)	47	46	37	51			0
MW-02_20241018 (L2460992-02)	49	35	43	56			0
MW-01_20241018 (L2460992-03)	39	34	34	49			0
FB_20241018 (L2460992-04)	59	58	49	63			0
MW-0X_20241018 (L2460992-05)	48	39	49	64			0
WG1988437-1BLANK	63	64	53	54			0
WG1988437-2LCS	62	61	53	51			0
WG1988437-3LCSD	63	64	56	51			0
MW-01_20241018MS	42	38	36	52			0
MW-01_20241018MSD	41	38	40	53			0

QC LIMITS

(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

(30-150) DCBP = DECACHLOROBIPHENYL

* Values outside of QC limits

FORM II NYTCL-8081



Matrix Spike Sample Summary

Form 3

Pesticides

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-01_20241018
 Lab Sample ID : L2460992-03
 Matrix Spike : WG1988437-4
 Matrix Spike Dup : WG1988437-5

Lab Number : L2460992
 Project Number : 200112
 Matrix (Level) : WATER (LOW)
 Analysis Date : 10/25/24 10:18
 MS Analysis Date : 10/25/24 10:29
 MSD Analysis Date : 10/25/24 10:40

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Delta-BHC	ND	0.357	0.269P	75	0.357	0.240P	67	11	30-150	30
Lindane	ND	0.357	0.289	81	0.357	0.280	78	3	30-150	30
Alpha-BHC	ND	0.357	0.623P	174 Q	0.357	0.656P	184 Q	5	30-150	30
Beta-BHC	ND	0.357	0.175	49	0.357	0.264	74	41 Q	30-150	30
Heptachlor	ND	0.357	0.270P	76	0.357	0.252P	71	7	30-150	30
Aldrin	ND	0.357	0.165	46	0.357	0.218	61	28	30-150	30
Heptachlor epoxide	ND	0.357	0.135P	38	0.357	0.143P	40	6	30-150	30
Endrin	ND	0.357	0.178	50	0.357	0.189	53	6	30-150	30
Endrin aldehyde	ND	0.357	0.114	32	0.357	0.113	32	1	30-150	30
Endrin ketone	ND	0.357	0.154	43	0.357	0.166	46	8	30-150	30
Dieldrin	ND	0.357	0.160	45	0.357	0.174	49	8	30-150	30
4,4'-DDE	ND	0.357	0.153	43	0.357	0.162	45	6	30-150	30
4,4'-DDD	ND	0.357	0.148	41	0.357	0.159	44	7	30-150	30
4,4'-DDT	ND	0.357	0.143	40	0.357	0.156	44	9	30-150	30
Endosulfan I	ND	0.357	0.150	42	0.357	0.155	43	3	30-150	30
Endosulfan II	ND	0.357	0.146	41	0.357	0.164	46	12	30-150	30
Endosulfan sulfate	ND	0.357	0.147	41	0.357	0.153	43	4	30-150	30
Methoxychlor	ND	0.357	0.163	46	0.357	0.161	45	1	30-150	30
cis-Chlordane	ND	0.357	0.148	41	0.357	0.155	43	5	30-150	30
trans-Chlordane	ND	0.357	0.206P	58	0.357	0.221P	62	7	30-150	30



Form 1 METALS

Client : AKRF, Inc.
Project Name : BUD NORTH
Lab ID : L2460992-04
Client ID : FB_20241018
Sample Location : NY
Sample Matrix : WATER
Analytical Method : 1,6020B
Lab File ID : WG1990203.pdf
Sample Amount : 50ml
Digestion Method : EPA 3005A

Lab Number : L2460992
Project Number : 200112
Date Collected : 10/18/24 15:00
Date Received : 10/18/24
Date Analyzed : 10/29/24 15:15
Dilution Factor : 1
Analyst : SMV
Instrument ID : ICPMSQ
%Solids : N/A
Date Digested : 10/23/24

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	0.00063	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	0.0434	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	ND	0.00050	0.00016	U
7440-50-8	Copper, Dissolved	ND	0.00100	0.00038	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	ND	0.0700	0.0242	U
7439-96-5	Manganese, Dissolved	ND	0.00100	0.00044	U
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	ND	0.100	0.0309	U
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	ND	0.100	0.0293	U
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U



Form 3 Blanks

Client : AKRF, Inc.
Project Name : BUD NORTH
Instrument ID : ICPMSQ

Lab Number : L2460992
Project Number : 200112

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q
Aluminum	3.27	U	3.27	U	3.27	U	3.27	U
Antimony	0.429	U	0.429	U	0.429	U	0.429	U
Arsenic	0.165	U	0.165	U	0.165	U	0.165	U
Barium	0.173	U	0.173	U	0.173	U	0.173	U
Beryllium	0.107	U	0.107	U	0.107	U	0.107	U
Cadmium	0.0599	U	0.0599	U	0.0599	U	0.0599	U
Calcium	39.4	U	39.4	U	39.4	U	39.4	U
Chromium	0.178	U	0.178	U	0.178	U	0.178	U
Cobalt	0.163	U	0.163	U	0.163	U	0.163	U
Copper	0.384	U	0.384	U	0.384	U	0.384	U
Iron	19.1	U	19.1	U	22.7	J	19.1	U
Lead	0.343	U	0.343	U	0.343	U	0.343	U
Magnesium	24.2	U	24.2	U	24.2	U	24.2	U
Manganese	0.440	U	0.440	U	0.440	U	0.440	U
Nickel	0.556	U	0.556	U	0.556	U	0.556	U
Potassium	30.9	U	30.9	U	30.9	U	30.9	U
Selenium	1.73	U	1.73	U	1.73	U	1.73	U
Silver	0.163	U	0.163	U	0.163	U	0.163	U
Sodium	29.3	U	29.3	U	29.3	U	29.3	U
Thallium	0.294	J	0.307	J	0.295	J	0.270	J
Vanadium	1.57	U	1.57	U	1.57	U	1.57	U
Zinc	3.41	U	3.41	U	3.41	U	3.41	U



Form 3 Blanks

Client : AKRF, Inc.
Project Name : BUD NORTH
Instrument ID : ICPMSQ

Lab Number : L2460992
Project Number : 200112

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank
	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q	Q
Aluminum			3.27	U	3.27	U	3.27	U	
Antimony			0.429	U	0.429	U	0.429	U	
Arsenic			0.165	U	0.165	U	0.165	U	
Barium			0.173	U	0.173	U	0.173	U	
Beryllium			0.107	U	0.107	U	0.107	U	
Cadmium			0.0599	U	0.0599	U	0.0599	U	
Calcium			39.4	U	39.4	U	39.4	U	
Chromium			0.178	U	0.178	U	0.178	U	
Cobalt			0.163	U	0.163	U	0.163	U	
Copper			0.384	U	0.384	U	0.384	U	
Iron			19.1	U	19.1	U	33.0	J	
Lead			0.343	U	0.343	U	0.343	U	
Magnesium			24.2	U	24.2	U	24.2	U	
Manganese			0.440	U	0.440	U	0.740	J	
Nickel			0.556	U	0.556	U	0.556	U	
Potassium			30.9	U	30.9	U	30.9	U	
Selenium			1.73	U	1.73	U	1.73	U	
Silver			0.163	U	0.163	U	0.163	U	
Sodium			29.3	U	29.3	U	29.3	U	
Thallium			0.382	J	0.268	J	0.262	J	
Vanadium			1.57	U	1.57	U	1.57	U	
Zinc			3.41	U	3.41	U	3.41	U	



Form 3 Blanks

Client : AKRF, Inc.
Project Name : BUD NORTH
Instrument ID : ICPMSQ

Lab Number : L2460992
Project Number : 200112

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank
	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q	Q
Aluminum			3.27	U	3.27	U	3.27	U	
Antimony			0.429	U	0.429	U	0.429	U	
Arsenic			0.165	U	0.165	U	0.165	U	
Barium			0.173	U	0.173	U	0.173	U	
Beryllium			0.107	U	0.107	U	0.107	U	
Cadmium			0.0599	U	0.0599	U	0.0599	U	
Calcium			39.4	U	39.4	U	39.4	U	
Chromium			0.178	U	0.178	U	0.178	U	
Cobalt			0.163	U	0.163	U	0.163	U	
Copper			0.384	U	0.384	U	0.384	U	
Iron			19.1	U	30.4	J	19.1	U	
Lead			0.343	U	0.343	U	0.343	U	
Magnesium			24.2	U	24.2	U	24.2	U	
Manganese			0.440	U	0.440	U	0.440	U	
Nickel			0.556	U	0.556	U	0.556	U	
Potassium			30.9	U	30.9	U	30.9	U	
Selenium			1.73	U	1.73	U	1.73	U	
Silver			0.163	U	0.163	U	0.163	U	
Sodium			29.3	U	29.3	U	29.3	U	
Thallium			0.262	J	0.268	J	0.279	J	
Vanadium			1.57	U	1.57	U	1.57	U	
Zinc			3.41	U	3.41	U	3.41	U	



Form 3 Blanks

Client : AKRF, Inc.
Project Name : BUD NORTH
Instrument ID : ICPMSQ

Lab Number : L2460992
Project Number : 200112

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q
Aluminum			3.27	U	3.27	U		
Antimony			0.429	U	0.429	U		
Arsenic			0.165	U	0.165	U		
Barium			0.173	U	0.173	U		
Beryllium			0.107	U	0.107	U		
Cadmium			0.0599	U	0.0599	U		
Calcium			39.4	U	39.4	U		
Chromium			0.178	U	0.178	U		
Cobalt			0.163	U	0.163	U		
Copper			0.384	U	0.384	U		
Iron			19.1	U	19.1	U		
Lead			0.343	U	0.343	U		
Magnesium			24.2	U	24.2	U		
Manganese			0.440	U	0.440	U		
Nickel			0.556	U	0.556	U		
Potassium			30.9	U	30.9	U		
Selenium			1.73	U	1.73	U		
Silver			0.163	U	0.163	U		
Sodium			29.3	U	29.3	U		
Thallium			0.258	J	0.271	J		
Vanadium			1.57	U	1.57	U		
Zinc			3.41	U	3.41	U		



Form 4a

Interference Check Sample

Client : AKRF, Inc.
Project Name : BUD NORTH
Instrument ID : ICPMSQ

Lab Number : L2460992
Project Number : 200112
Concentration Units : ug/l

Analyte	True		Initial Found				Final Found			
	Lab ID :		R1893376-3							
	Analysis Date :		10/29/24 06:26							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	100000		109000	109						
Antimony			0.231							
Arsenic			0.425							
Barium			1.38							
Beryllium			0.0237							
Cadmium			0.684							
Calcium	300000		309000	103						
Chromium			1.61							
Cobalt			2.15							
Copper			1.04							
Iron	250000		254000	102						
Lead			1.70							
Magnesium	100000		108000	108						
Manganese			4.74							
Nickel			2.68							
Potassium	100000		113000	113						
Selenium			2.92							
Silver			0.0260							
Sodium	250000		283000	113						
Thallium			0.109							
Vanadium			0.0275							
Zinc			2.10							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 5a Matrix Spike

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-01_20241018
 Lab Sample ID : L2460992-03
 Matrix Spike : WG1989134-4
 Matrix Spike Dup : WG1989134-5

Lab Number : L2460992
 Project Number : 200112
 Matrix : WATER
 MS Analysis Date : 10/25/24 17:27
 MSD Analysis Date : 10/25/24 17:28

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Cyanide, Total	0.714	0.2	0.990	138 Q	0.2	0.887	86	11	80-120	20



Form 4a

Interference Check Sample

Client : AKRF, Inc.
Project Name : BUD NORTH
Instrument ID : ICPMSQ

Lab Number : L2460992
Project Number : 200112
Concentration Units : ug/l

Analyte	True		Initial Found				Final Found			
	Lab ID :		R1893376-3							
	Analysis Date :		10/29/24 06:26							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	100000		109000	109						
Antimony			0.231							
Arsenic			0.425							
Barium			1.38							
Beryllium			0.0237							
Cadmium			0.684							
Calcium	300000		309000	103						
Chromium			1.61							
Cobalt			2.15							
Copper			1.04							
Iron	250000		254000	102						
Lead			1.70							
Magnesium	100000		108000	108						
Manganese			4.74							
Nickel			2.68							
Potassium	100000		113000	113						
Selenium			2.92							
Silver			0.0260							
Sodium	250000		283000	113						
Thallium			0.109							
Vanadium			0.0275							
Zinc			2.10							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 5a Matrix Spike

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-01_20241018
 Lab Sample ID : L2460992-03
 Matrix Spike : WG1988204-3
 Matrix Spike Dup : WG1988204-4

Lab Number : L2460992
 Project Number : 200112
 Matrix : WATER
 MS Analysis Date : 10/29/24 16:53
 MSD Analysis Date : 10/29/24 16:57

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Aluminum, Total	0.226	2	2.19	98	2	2.28	103	4	75-125	20
Antimony, Total	0.01620	0.5	0.5218	101	0.5	0.5507	107	5	75-125	20
Arsenic, Total	0.01119	0.12	0.1341	102	0.12	0.1426	110	6	75-125	20
Barium, Total	0.08911	2	2.153	103	2	2.248	108	4	75-125	20
Beryllium, Total	ND	0.05	0.05270	105	0.05	0.05408	108	3	75-125	20
Cadmium, Total	ND	0.053	0.05205	98	0.053	0.05521	104	6	75-125	20
Calcium, Total	169.	10	194.	250 Q	10	202.	330 Q	4	75-125	20
Chromium, Total	0.00111	0.2	0.1908	95	0.2	0.1995	99	4	75-125	20
Cobalt, Total	0.00138	0.5	0.4844	97	0.5	0.5014	100	3	75-125	20
Copper, Total	0.00225	0.25	0.2474	98	0.25	0.2608	103	5	75-125	20
Iron, Total	0.774	1	1.97	120	1	1.87	110	5	75-125	20
Lead, Total	0.00945	0.53	0.5413	100	0.53	0.5877	109	8	75-125	20
Magnesium, Total	44.7	10	54.0	93	10	56.1	114	4	75-125	20
Manganese, Total	0.1364	0.5	0.6244	98	0.5	0.6480	102	4	75-125	20
Nickel, Total	0.00624	0.5	0.4855	96	0.5	0.5100	101	5	75-125	20
Potassium, Total	58.2	10	67.8	96	10	70.9	127 Q	4	75-125	20
Selenium, Total	ND	0.12	0.0254J	21 Q	0.12	0.0288J	24 Q	13	75-125	20
Silver, Total	ND	0.05	0.04694	94	0.05	0.05035	101	7	75-125	20
Sodium, Total	300.	10	293.	0 Q	10	300.	0 Q	2	75-125	20
Thallium, Total	ND	0.12	0.1164	97	0.12	0.1265	105	8	75-125	20
Vanadium, Total	0.00859	0.5	0.4920	97	0.5	0.5106	100	4	75-125	20
Zinc, Total	0.00691J	0.5	0.4894	98	0.5	0.5136	103	5	75-125	20



Form 5a Matrix Spike

Client : AKRF, Inc.
 Project Name : BUD NORTH
 Client Sample ID : MW-01_20241018
 Lab Sample ID : L2460992-03
 Matrix Spike : WG1986390-4
 Matrix Spike Dup : WG1986390-5

Lab Number : L2460992
 Project Number : 200112
 Matrix : WATER
 MS Analysis Date : 10/19/24 06:10
 MSD Analysis Date : 10/19/24 06:10

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			%R	Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit	
		Spike Added (mg/l)	Spike Conc. (mg/l)			Spike Added (mg/l)	Spike Conc. (mg/l)	%R				
Chromium, Hexavalent	ND	0.1	0.037J	37	Q	0.1	0.035J	35	Q	6	85-115	20





ANALYTICAL REPORT

Lab Number:	L2461002
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	BUD NORTH
Project Number:	200112
Report Date:	10/25/24

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461002
Report Date: 10/25/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2461002-01	INF_20241018	SOIL_VAPOR	Not Specified	10/18/24 11:00	10/18/24
L2461002-02	INT_20241018	SOIL_VAPOR	Not Specified	10/18/24 11:05	10/18/24
L2461002-03	EFF_20241018	SOIL_VAPOR	Not Specified	10/18/24 11:10	10/18/24



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461002
Report Date: 10/25/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2461002
Report Date: 10/25/24

Case Narrative (continued)

Volatile Organics in Air

L2461002-01 through -03: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 10/25/24

AIR

Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2461002**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-01

Client ID: INF_20241018

Sample Location:

Date Collected: 10/18/24 11:00

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 10/25/24 04:56

Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	10.6	0.200	--	52.4	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.8	1.00	--	35.2	2.38	--		1
Trichlorofluoromethane	44.2	0.200	--	248	1.12	--		1
Isopropanol	77.6	0.500	--	191	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.25	0.500	--	4.34	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.669	0.500	--	1.97	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2461002**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-01

Client ID: INF_20241018

Sample Location:

Date Collected: 10/18/24 11:00

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.28	0.200	--	6.25	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.76	0.200	--	27.3	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.368	0.200	--	1.39	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.298	0.200	--	2.02	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.04	0.200	--	4.52	0.869	--		1



Project Name: BUD NORTH**Lab Number:** L2461002**Project Number:** 200112**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-01

Date Collected: 10/18/24 11:00

Client ID: INF_20241018

Date Received: 10/18/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	4.74	0.400	--	20.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.51	0.200	--	6.56	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	103		60-140



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2461002**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-02

Client ID: INT_20241018

Sample Location:

Date Collected: 10/18/24 11:05

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 10/25/24 05:33

Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	10.4	0.200	--	51.4	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.9	1.00	--	30.6	2.38	--		1
Trichlorofluoromethane	46.5	0.200	--	261	1.12	--		1
Isopropanol	86.2	0.500	--	212	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.51	0.500	--	5.25	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.697	0.500	--	2.06	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2461002**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-02

Client ID: INT_20241018

Sample Location:

Date Collected: 10/18/24 11:05

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.28	0.200	--	11.1	0.977	--		1
Tetrahydrofuran	1.54	0.500	--	4.54	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	12.1	0.200	--	42.6	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.249	0.200	--	0.938	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.340	0.200	--	1.48	0.869	--		1



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2461002**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-02

Client ID: INT_20241018

Sample Location:

Date Collected: 10/18/24 11:05

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.69	0.400	--	7.34	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.541	0.200	--	2.35	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	103		60-140



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2461002**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-03
 Client ID: EFF_20241018
 Sample Location:

Date Collected: 10/18/24 11:10
 Date Received: 10/18/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 10/25/24 06:42
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	10.9	0.200	--	53.9	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.4	1.00	--	34.2	2.38	--		1
Trichlorofluoromethane	46.5	0.200	--	261	1.12	--		1
Isopropanol	110	0.500	--	270	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.44	0.500	--	5.00	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.620	0.500	--	1.83	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BUD NORTH**Project Number:** 200112**Lab Number:** L2461002**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-03

Client ID: EFF_20241018

Sample Location:

Date Collected: 10/18/24 11:10

Date Received: 10/18/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.77	0.200	--	8.64	0.977	--		1
Tetrahydrofuran	1.08	0.500	--	3.19	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	8.02	0.200	--	28.3	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.363	0.200	--	1.37	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.461	0.200	--	2.00	0.869	--		1



Project Name: BUD NORTH**Lab Number:** L2461002**Project Number:** 200112**Report Date:** 10/25/24**SAMPLE RESULTS**

Lab ID: L2461002-03

Date Collected: 10/18/24 11:10

Client ID: EFF_20241018

Date Received: 10/18/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.05	0.400	--	8.90	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.597	0.200	--	2.59	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	105		60-140



Project Name: BUD NORTH

Lab Number: L2461002

Project Number: 200112

Report Date: 10/25/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/24/24 16:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1988752-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: BUD NORTH

Lab Number: L2461002

Project Number: 200112

Report Date: 10/25/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/24/24 16:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1988752-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: BUD NORTH

Lab Number: L2461002

Project Number: 200112

Report Date: 10/25/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/24/24 16:56

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1988752-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461002

Report Date: 10/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1988752-3								
Dichlorodifluoromethane	87		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	99		-		70-130	-		
Vinyl chloride	89		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	93		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethanol	99		-		40-160	-		
Vinyl bromide	93		-		70-130	-		
Acetone	103		-		40-160	-		
Trichlorofluoromethane	90		-		70-130	-		
Isopropanol	70		-		40-160	-		
1,1-Dichloroethene	93		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	91		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	93		-		70-130	-		
Freon-113	91		-		70-130	-		
trans-1,2-Dichloroethene	97		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461002

Report Date: 10/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1988752-3								
Ethyl Acetate	108		-		70-130	-		
Chloroform	88		-		70-130	-		
Tetrahydrofuran	99		-		70-130	-		
1,2-Dichloroethane	88		-		70-130	-		
n-Hexane	98		-		70-130	-		
1,1,1-Trichloroethane	87		-		70-130	-		
Benzene	84		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Cyclohexane	97		-		70-130	-		
1,2-Dichloropropane	88		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	87		-		70-130	-		
2,2,4-Trimethylpentane	99		-		70-130	-		
Heptane	99		-		70-130	-		
cis-1,3-Dichloropropene	94		-		70-130	-		
4-Methyl-2-pentanone	104		-		70-130	-		
trans-1,3-Dichloropropene	99		-		70-130	-		
1,1,2-Trichloroethane	87		-		70-130	-		
Toluene	85		-		70-130	-		
2-Hexanone	103		-		70-130	-		
Dibromochloromethane	106		-		70-130	-		
1,2-Dibromoethane	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461002

Report Date: 10/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1988752-3								
Tetrachloroethene	85		-		70-130	-		
Chlorobenzene	89		-		70-130	-		
Ethylbenzene	88		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	106		-		70-130	-		
Styrene	91		-		70-130	-		
1,1,2,2-Tetrachloroethane	88		-		70-130	-		
o-Xylene	91		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	89		-		70-130	-		
1,2,4-Trimethylbenzene	93		-		70-130	-		
Benzyl chloride	100		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	90		-		70-130	-		
1,2-Dichlorobenzene	101		-		70-130	-		
1,2,4-Trichlorobenzene	92		-		70-130	-		
Naphthalene	92		-		70-130	-		
Hexachlorobutadiene	95		-		70-130	-		

Project Name: BUD NORTH**Lab Number:** L2461002**Project Number:** 200112**Report Date:** 10/25/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2461002-01A	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2461002-01X	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2461002-02A	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2461002-02X	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2461002-03A	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2461002-03X	Tedlar Bag 1 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461002
Report Date: 10/25/24

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: Data Usability Report



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461002
Report Date: 10/25/24

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461002
Report Date: 10/25/24

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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: BUD NORTH
Project Number: 200112

Lab Number: L2461002
Report Date: 10/25/24

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624.1: 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, 2,6-Dichlorophenol.

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.



AIR ANALYSIS

PAGE OF

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: AHSF
Address: 440 Park Ave S
NY NY

Phone:

Fax:

Email: J.Diggins@AWhf.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name:	But North
Project Location:	2
Project #:	200112
Project Manager:	Patricia Diggins
ALPHA Quote #:	

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: _____ Time: _____

Date Rec'd in Lab: 10/19/24

Report Information - Data Deliverables

☐ FAX
☐ ADE_x

Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)☐ Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Job #: L2461002

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

ANALYSIS

All Columns Below Must Be Filled Out

[illegible]

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Teller Bod

Relinquished By:

Date/Time

Received By:

Date/Time:

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

December 6, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2461002

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Alpha Analytical for three soil vapor samples from the Bud North site, which were reported in a single data package under Job No. L2461002 has been completed. The following samples were reported:

INF_20241018

INT_20241018

EFF_20241018

Analyses were performed in accordance with USEPA Method TO-15 (Volatile Organics). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes

7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, sample results are usable, as reported. No qualification of sample results is made.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

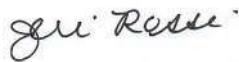
A copy of the applicable chain of custody (COC) record was included in the data package, documenting sample collection date of October 18, 2024. The samples were received at the laboratory on the same day as sample collection. All samples were received intact and analyzed within method holding time.

Calibration

One initial calibration (IC) was performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable, with the RSD for dichlorodifluoromethane (RSD=31.4%). The high RSD is attributed to a high response in the lowest concentration standard in the IC, and based on the technical judgment of the validator, no action is warranted.

Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jeri Rossi".

Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)



ANALYTICAL REPORT

Lab Number:	L2461048
Client:	AKRF, Inc. 440 Park Avenue South 7th Floor New York, NY 10016
ATTN:	Patrick Diggins
Phone:	(646) 388-9784
Project Name:	BUD NORTH
Project Number:	200112
Report Date:	11/07/24

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2461048-01	MW-03_20241018	WATER	NY	10/18/24 12:40	10/18/24
L2461048-02	MW-02_20241018	WATER	NY	10/18/24 13:50	10/18/24
L2461048-03	MW-01_20241018	WATER	NY	10/18/24 15:45	10/18/24
L2461048-04	MW-0X_20241018	WATER	NY	10/18/24 12:30	10/18/24
L2461048-05	FB_20241018	WATER	NY	10/18/24 15:00	10/18/24

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

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.

Perfluorinated Alkyl Acids by 1633

L2461048-01R, -02R, -03R, and -04R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

L2461048-01R: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2461048-01R: The Extracted Internal Standard recoveries were above the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]hexanesulfonic acid (m2-4:2fts) (272%) and 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (229%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.

L2461048-02R: The Extracted Internal Standard recoveries were above the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]hexanesulfonic acid (m2-4:2fts) (276%), 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (351%), and 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (332%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.

L2461048-03R: The Extracted Internal Standard recoveries were above the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]hexanesulfonic acid (m2-4:2fts) (238%) and 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (296%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.

L2461048-04R: The Extracted Internal Standard recoveries were above the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]hexanesulfonic acid (m2-4:2fts) (237%) and 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (301%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.

WG1991713-2, WG1991713-4, and WG1991713-5: The sample was re-analyzed due to QC failures in the

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

Case Narrative (continued)

original analysis. The results of the re-analysis are reported.

The WG1991713-2 LCS recoveries, associated with L2461048-01R, -02R, -03R, -04R, and -05, are above the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (170%) and 4,8-dioxo-3h-perfluorononanoic acid (adona) (146%); however, the associated samples are non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

The WG1991713-3 LCS recovery, associated with L2461048-01R, -02R, -03R, -04R, and -05 is above the acceptance criteria for 4,8-dioxo-3h-perfluorononanoic acid (adona) (235%); however, the associated samples are non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

The WG1991713-4/-5 MS/MSD recoveries, performed on L2461048-03, are outside the acceptance criteria for n-ethyl perfluorooctanesulfonamido ethanol (netfose) (MS 142%), perfluoro-3-methoxypropanoic acid (pfmpa) (205%/206%), 2h,2h,3h,3h-perfluorooctanoic acid (5:3ftca) (142%/143%), and 3-perfluoroheptyl propanoic acid (7:3ftca) (MS 149%).

The Extracted Internal Standard recoveries for the WG1991713-4/-5 MS/MSD, performed on L2461048-03, are outside the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]hexanesulfonic acid (m2-4:2fts) (258%/264%) and 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (303%/307%). The associated MS/MSD spike compounds are within criteria; therefore, no further action was taken.

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: 11/07/24

ORGANICS

SEMIVOLATILES

Project Name: BUD NORTH**Lab Number:** L2461048**Project Number:** 200112**Report Date:** 11/07/24**SAMPLE RESULTS**

Lab ID: L2461048-01 R

Date Collected: 10/18/24 12:40

Client ID: MW-03_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 1633

Analytical Method: 144,1633

Extraction Date: 11/01/24 15:54

Analytical Date: 11/04/24 13:28

Analyst: ANH

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	47.3		ng/l	12.8	1.06	1
Perfluoropentanoic Acid (PFPeA)	30.5		ng/l	6.40	0.720	1
Perfluorobutanesulfonic Acid (PFBS)	16.4		ng/l	3.20	0.800	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	12.8	1.82	1
Perfluorohexanoic Acid (PFHxA)	30.6		ng/l	3.20	0.496	1
Perfluoropentanesulfonic Acid (PFPeS)	1.95	J	ng/l	3.20	0.416	1
Perfluoroheptanoic Acid (PFHpA)	21.0		ng/l	3.20	0.480	1
Perfluorohexanesulfonic Acid (PFHxS)	6.93		ng/l	3.20	0.272	1
Perfluorooctanoic Acid (PFOA)	71.8		ng/l	3.20	0.528	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	12.8	9.63	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	3.20	0.400	1
Perfluorononanoic Acid (PFNA)	1.89	J	ng/l	3.20	0.528	1
Perfluorooctanesulfonic Acid (PFOS)	2.83	JF	ng/l	3.20	0.528	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	3.20	0.416	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	12.8	2.45	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	3.20	0.400	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	3.20	0.960	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	3.20	0.352	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	3.20	0.272	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	3.20	0.192	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	3.20	0.960	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	3.20	0.432	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	3.20	0.368	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	3.20	0.320	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	12.8	3.20	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	12.8	0.752	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	3.20	0.480	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-01 R

Date Collected: 10/18/24 12:40

Client ID: MW-03_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	12.8	0.880	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	12.8	0.896	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	3.20	0.448	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	3.20	0.704	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	32.0	2.61	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	32.0	2.21	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	0.688	J	ng/l	6.40	0.496	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	6.40	0.720	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)	ND		ng/l	6.40	0.656	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	6.40	1.09	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	16.0	1.07	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	80.0	8.51	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	80.0	6.37	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-01 R

Date Collected: 10/18/24 12:40

Client ID: MW-03_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	97				5-130	
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	95				40-130	
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	101				40-135	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	272			Q	40-200	
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91				40-130	
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83				40-130	
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	102				40-130	
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	229			Q	40-200	
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	91				40-130	
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	95				40-130	
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	124				40-300	
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	80				40-170	
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	84				30-130	
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	80				40-130	
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	57				25-135	
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70				10-130	
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	68				10-130	
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	88				40-130	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	66				10-130	
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	64				10-130	
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	69				10-130	
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	66				10-130	

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-02 R

Date Collected: 10/18/24 13:50

Client ID: MW-02_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 1633

Analytical Method: 144,1633

Extraction Date: 11/01/24 15:54

Analytical Date: 11/04/24 13:37

Analyst: ANH

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	37.0		ng/l	6.10	0.503	1
Perfluoropentanoic Acid (PFPeA)	60.1		ng/l	3.05	0.343	1
Perfluorobutanesulfonic Acid (PFBS)	15.2		ng/l	1.52	0.381	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.10	0.870	1
Perfluorohexanoic Acid (PFHxA)	57.1		ng/l	1.52	0.236	1
Perfluoropentanesulfonic Acid (PFPeS)	1.32	J	ng/l	1.52	0.198	1
Perfluoroheptanoic Acid (PFHpA)	17.1		ng/l	1.52	0.229	1
Perfluorohexanesulfonic Acid (PFHxS)	5.93		ng/l	1.52	0.130	1
Perfluorooctanoic Acid (PFOA)	54.9		ng/l	1.52	0.252	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.10	4.59	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.52	0.191	1
Perfluorononanoic Acid (PFNA)	3.66		ng/l	1.52	0.252	1
Perfluorooctanesulfonic Acid (PFOS)	15.9		ng/l	1.52	0.252	1
Perfluorodecanoic Acid (PFDA)	1.01	J	ng/l	1.52	0.198	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.10	1.17	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.52	0.191	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.52	0.458	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.52	0.168	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.52	0.130	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.52	0.092	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.52	0.458	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.52	0.206	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.52	0.175	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.52	0.152	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.10	1.52	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.10	0.358	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.52	0.229	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-02 R

Date Collected: 10/18/24 13:50

Client ID: MW-02_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.10	0.420	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.10	0.427	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.52	0.214	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.52	0.336	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.2	1.24	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.2	1.05	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.05	0.236	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.05	0.343	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)	ND		ng/l	3.05	0.313	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.05	0.519	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.63	0.511	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	38.1	4.06	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	38.1	3.04	1

Project Name: BUD NORTH**Lab Number:** L2461048**Project Number:** 200112**Report Date:** 11/07/24**SAMPLE RESULTS**

Lab ID: L2461048-02 R

Date Collected: 10/18/24 13:50

Client ID: MW-02_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	55				5-130	
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	96				40-130	
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	106				40-135	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	276			Q	40-200	
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	96				40-130	
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92				40-130	
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	100				40-130	
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	99				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	351			Q	40-200	
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	100				40-130	
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	97				40-130	
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	332			Q	40-300	
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	136				40-170	
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	86				30-130	
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	92				40-130	
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	109				25-135	
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	65				10-130	
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66				10-130	
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	98				40-130	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	65				10-130	
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	63				10-130	
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	64				10-130	
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	65				10-130	

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-03 R

Date Collected: 10/18/24 15:45

Client ID: MW-01_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 1633

Analytical Method: 144,1633

Extraction Date: 11/01/24 15:54

Analytical Date: 11/04/24 13:46

Analyst: ANH

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	19.4		ng/l	6.03	0.497	1
Perfluoropentanoic Acid (PFPeA)	13.0		ng/l	3.01	0.339	1
Perfluorobutanesulfonic Acid (PFBS)	2.95		ng/l	1.51	0.377	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.03	0.859	1
Perfluorohexanoic Acid (PFHxA)	11.1		ng/l	1.51	0.234	1
Perfluoropentanesulfonic Acid (PFPeS)	1.46	J	ng/l	1.51	0.196	1
Perfluoroheptanoic Acid (PFHpA)	9.09		ng/l	1.51	0.226	1
Perfluorohexanesulfonic Acid (PFHxS)	3.35		ng/l	1.51	0.128	1
Perfluorooctanoic Acid (PFOA)	46.7		ng/l	1.51	0.249	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.03	4.54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.51	0.188	1
Perfluorononanoic Acid (PFNA)	1.61		ng/l	1.51	0.249	1
Perfluorooctanesulfonic Acid (PFOS)	12.4		ng/l	1.51	0.249	1
Perfluorodecanoic Acid (PFDA)	0.332	J	ng/l	1.51	0.196	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.03	1.15	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.51	0.188	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.51	0.452	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.51	0.166	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.51	0.128	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.51	0.090	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.51	0.452	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.51	0.203	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.51	0.173	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.51	0.151	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.03	1.51	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.03	0.354	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.51	0.226	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-03 R

Date Collected: 10/18/24 15:45

Client ID: MW-01_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.03	0.414	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.03	0.422	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.51	0.211	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.51	0.332	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.1	1.23	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.1	1.04	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.01	0.234	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.01	0.339	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)	ND		ng/l	3.01	0.309	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.01	0.512	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.54	0.505	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	37.7	4.01	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	37.7	3.00	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-03 R

Date Collected: 10/18/24 15:45

Client ID: MW-01_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	43				5-130	
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	90				40-130	
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	93				40-135	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	238			Q	40-200	
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86				40-130	
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84				40-130	
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	92				40-130	
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	296			Q	40-200	
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78				40-130	
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73				40-130	
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	70				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	211				40-300	
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	80				40-170	
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	64				30-130	
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	73				40-130	
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	77				25-135	
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	53				10-130	
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	45				10-130	
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	89				40-130	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48				10-130	
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	51				10-130	
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	50				10-130	
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	48				10-130	

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-04 R

Date Collected: 10/18/24 12:30

Client ID: MW-0X_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 1633

Analytical Method: 144,1633

Extraction Date: 11/01/24 15:57

Analytical Date: 11/04/24 14:12

Analyst: ANH

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	34.0		ng/l	6.07	0.501	1
Perfluoropentanoic Acid (PFPeA)	62.3		ng/l	3.04	0.342	1
Perfluorobutanesulfonic Acid (PFBS)	13.2		ng/l	1.52	0.380	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.07	0.866	1
Perfluorohexanoic Acid (PFHxA)	53.0		ng/l	1.52	0.235	1
Perfluoropentanesulfonic Acid (PFPeS)	0.949	J	ng/l	1.52	0.197	1
Perfluoroheptanoic Acid (PFHpA)	15.9		ng/l	1.52	0.228	1
Perfluorohexanesulfonic Acid (PFHxS)	5.32		ng/l	1.52	0.129	1
Perfluorooctanoic Acid (PFOA)	50.2		ng/l	1.52	0.250	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.07	4.57	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.402	J	ng/l	1.52	0.190	1
Perfluorononanoic Acid (PFNA)	3.82		ng/l	1.52	0.250	1
Perfluorooctanesulfonic Acid (PFOS)	18.7		ng/l	1.52	0.250	1
Perfluorodecanoic Acid (PFDA)	1.15	J	ng/l	1.52	0.197	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.07	1.16	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.52	0.190	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.52	0.456	1
Perfluoroundecanoic Acid (PFUnA)	0.349	J	ng/l	1.52	0.167	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.52	0.129	1
Perfluorooctanesulfonamide (PFOSA)	0.448	JF	ng/l	1.52	0.091	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.52	0.456	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.52	0.205	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.52	0.175	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.52	0.152	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.07	1.52	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.07	0.357	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.52	0.228	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-04 R

Date Collected: 10/18/24 12:30

Client ID: MW-0X_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.07	0.418	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.07	0.425	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.52	0.213	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.52	0.334	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.2	1.24	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.2	1.05	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.04	0.235	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.04	0.342	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)	ND		ng/l	3.04	0.311	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.04	0.516	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.59	0.509	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	38.0	4.04	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	38.0	3.02	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-04 R

Date Collected: 10/18/24 12:30

Client ID: MW-0X_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	61				5-130	
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	100				40-130	
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	94				40-135	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	237			Q	40-200	
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	96				40-130	
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	93				40-130	
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	95				40-130	
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	92				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	301			Q	40-200	
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	87				40-130	
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	88				40-130	
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	84				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	282				40-300	
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	114				40-170	
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76				30-130	
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	83				40-130	
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	92				25-135	
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	61				10-130	
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	60				10-130	
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	96				40-130	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	65				10-130	
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	65				10-130	
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	58				10-130	
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	56				10-130	

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-05

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 1633

Analytical Method: 144,1633

Extraction Date: 11/01/24 15:57

Analytical Date: 11/03/24 16:15

Analyst: ANH

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.97	0.493	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.99	0.336	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.49	0.373	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	5.97	0.851	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.49	0.231	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.49	0.194	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.49	0.224	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.49	0.127	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.49	0.246	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.97	4.49	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.49	0.187	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.49	0.246	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.49	0.246	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.49	0.194	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.97	1.14	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.49	0.187	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.49	0.448	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.49	0.164	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.49	0.127	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.49	0.090	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.49	0.448	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.49	0.202	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.49	0.172	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.49	0.149	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	5.97	1.49	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	5.97	0.351	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.49	0.224	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-05

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	5.97	0.411	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	5.97	0.418	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.49	0.209	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.49	0.328	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	14.9	1.22	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	14.9	1.03	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	2.99	0.231	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	2.99	0.336	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)	ND		ng/l	2.99	0.306	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	2.99	0.508	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.47	0.500	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	37.3	3.97	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	37.3	2.97	1

Project Name: BUD NORTH

Lab Number: L2461048

Project Number: 200112

Report Date: 11/07/24

SAMPLE RESULTS

Lab ID: L2461048-05

Date Collected: 10/18/24 15:00

Client ID: FB_20241018

Date Received: 10/18/24

Sample Location: NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				5-130	
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92				40-130	
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	102				40-135	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	99				40-200	
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	96				40-130	
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	93				40-130	
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	93				40-130	
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	111				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	88				40-200	
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	110				40-130	
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	94				40-130	
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	89				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	74				40-300	
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	121				40-170	
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76				30-130	
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	83				40-130	
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	64				25-135	
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64				10-130	
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	59				10-130	
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	97				40-130	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	53				10-130	
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	56				10-130	
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	62				10-130	
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	64				10-130	

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 11/03/24 13:20
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 11/01/24 15:54

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-05 Batch: WG1991713-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	0.528
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.360
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.400
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	0.912
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.248
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.208
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.240
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.136
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.264
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	4.82
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.200
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.264
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.264
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.208
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	1.22
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.200
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.480
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.176
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.136
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.096
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.480
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.216
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.184
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.160
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	1.60
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	0.376
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.240

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 11/03/24 13:20
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 11/01/24 15:54

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-05 Batch: WG1991713-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	0.440
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	0.448
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.224
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.352
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	1.30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.10
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.248
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.360
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.328
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	0.544
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	0.536
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	4.26
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	3.18

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 11/03/24 13:20
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 11/01/24 15:54

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-05 Batch: WG1991713-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	92		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	114		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	105		40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	99		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	107		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	101		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	108		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	99		40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	108		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	94		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	87		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	80		40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	75		40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88		30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	89		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73		25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	56		10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	95		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	77		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	81		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	72		10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	74		10-130

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461048

Report Date: 11/07/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1991713-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	121		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	122		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	118		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	116		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	123		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	119		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	125		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	112		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	131		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	137		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	117		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	132		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	120		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	115		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	126		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	104		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	170	Q	-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	115		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	90		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	114		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	132		-		70-145	-		30
Perfluorododecanoic Acid (PFDoA)	116		-		70-140	-		30

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461048

Report Date: 11/07/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1991713-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	104		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	121		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	119		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	146	Q	-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	86		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	120		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	99		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	127		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	129		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	118		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	121		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	108		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	108		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	120		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	130		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	98		-		65-130	-		30
2H,2H,3H-Perfluorooctanoic Acid (5:3FTCA)	122		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	104		-		50-145	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461048

Report Date: 11/07/24

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1991713-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	98				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	112				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	105				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	95				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	93				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	89				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	102				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	93				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	98				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	95				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	96				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	99				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	70				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	82				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	67				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	72				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	99				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	64				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	66				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	74				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	70				10-130

Lab Control Sample Analysis Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461048

Report Date: 11/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1991713-3								
Perfluorobutanoic Acid (PFBA)	136		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	132		-		65-135	-		30
Perfluorobutanesulfonic Acid (PFBS)	115		-		60-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	121		-		70-145	-		30
Perfluorohexanoic Acid (PFHxA)	132		-		70-145	-		30
Perfluoropentanesulfonic Acid (PFPeS)	114		-		65-140	-		30
Perfluoroheptanoic Acid (PFHpA)	107		-		70-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	110		-		65-145	-		30
Perfluorooctanoic Acid (PFOA)	112		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		65-155	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	121		-		70-150	-		30
Perfluorononanoic Acid (PFNA)	122		-		70-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	107		-		55-150	-		30
Perfluorodecanoic Acid (PFDA)	122		-		70-140	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		60-150	-		30
Perfluorononanesulfonic Acid (PFNS)	112		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	111		-		50-140	-		30
Perfluoroundecanoic Acid (PFUnA)	119		-		70-145	-		30
Perfluorodecanesulfonic Acid (PFDS)	97		-		60-145	-		30
Perfluorooctanesulfonamide (PFOSA)	105		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	109		-		70-145	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		70-140	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461048

Report Date: 11/07/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1991713-3								
Perfluorotridecanoic Acid (PFTrDA)	108		-		65-140	-		30
Perfluorotetradecanoic Acid (PFTeDA)	113		-		60-140	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	129		-		70-140	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	235	Q	-		65-145	-		30
Perfluorododecanesulfonic Acid (PFDoS)	90		-		50-145	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	124		-		70-155	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	107		-		55-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	100		-		60-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	107		-		65-145	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	105		-		70-145	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	119		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	120		-		55-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	121		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	131		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	148		-		50-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	126		-		65-130	-		30
2H,2H,3H-Perfluorooctanoic Acid (5:3FTCA)	119		-		70-135	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	82		-		50-145	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461048

Report Date: 11/07/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 Batch: WG1991713-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89				5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94				40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	106				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	105				40-200
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	95				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	94				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	103				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	106				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	98				40-200
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	114				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	103				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	97				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	86				40-300
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	72				40-170
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	92				30-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	99				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	76				25-135
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84				10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	74				10-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	97				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	81				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	81				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	79				10-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	76				10-130

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461048

Report Date: 11/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1991713-4 WG1991713-5 QC Sample: L2461048-03 Client ID: MW-01_20241018												
Perfluorobutanoic Acid (PFBA)	19.4	73.6	113	127		106	119		70-140	6		30
Perfluoropentanoic Acid (PFPeA)	13.0	36.8	55.6	116		53.6	112		65-135	4		30
Perfluorobutanesulfonic Acid (PFBS)	2.95	16.3	21.6	114		20.8	111		60-145	4		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	69	76.4	111		72.7	107		70-145	5		30
Perfluorohexanoic Acid (PFHxA)	11.1	18.4	32.6	117		32.2	116		70-145	1		30
Perfluoropentanesulfonic Acid (PFPeS)	1.46J	17.3	21.6	116		21.0	115		65-140	3		30
Perfluoroheptanoic Acid (PFHpA)	9.09	18.4	30.8	118		30.3	117		70-150	2		30
Perfluorohexanesulfonic Acid (PFHxS)	3.35	16.9	21.1	105		21.0	106		65-145	0		30
Perfluorooctanoic Acid (PFOA)	46.7	18.4	67.2	111		67.0	112		70-150	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	70	91.9	131		85.1	123		65-155	8		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.5	24.2	138		21.4	124		70-150	12		30
Perfluorononanoic Acid (PFNA)	1.61	18.4	27.0	138		24.1	124		70-150	11		30
Perfluorooctanesulfonic Acid (PFOS)	12.4	17.1	31.8	114		29.2	100		55-150	9		30
Perfluorodecanoic Acid (PFDA)	0.332J	18.4	21.8	117		20.5	111		70-140	6		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	70.7	98.4	139		79.5	114		60-150	21		30
Perfluorononanesulfonic Acid (PFNS)	ND	17.7	20.8	117		18.4	105		65-145	12		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	18.4	21.5	117		19.5	108		50-140	10		30
Perfluoroundecanoic Acid (PFUnA)	ND	18.4	22.9	124		20.0	110		70-145	14		30
Perfluorodecanesulfonic Acid (PFDS)	ND	17.7	18.9	107		16.5	94		60-145	14		30
Perfluorooctanesulfonamide (PFOSA)	ND	18.4	22.9	124		20.1	111		70-145	13		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	18.4	24.6	134		19.4	107		70-145	24		30
Perfluorododecanoic Acid (PFDoA)	ND	18.4	25.2	137		21.8	120		70-140	14		30

Matrix Spike Analysis

Batch Quality Control

Project Name: BUD NORTH

Project Number: 200112

Lab Number: L2461048

Report Date: 11/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1991713-4 WG1991713-5 QC Sample: L2461048-03 Client ID: MW-01_20241018												
Perfluorotridecanoic Acid (PFTrDA)	ND	18.4	21.5	117		18.9	104		65-140	13		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	18.4	23.3	127		21.1	116		60-140	10		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	73.6	91.7	125		85.9	118		70-140	7		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	69.6	97.7	140		95.4	139		65-145	2		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	17.9	16.0	89		14.8	84		50-145	8		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	68.7	84.5	123		78.6	116		70-155	7		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	69.4	73.8	106		66.4	97		55-160	11		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	18.4	22.2	121		20.5	113		60-150	8		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	18.4	25.0	136		21.9	121		65-145	13		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	184	232	126		200	110		70-145	15		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	184	261	142	Q	216	119		70-135	19		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	36.8	75.5	205	Q	74.8	206	Q	55-140	1		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	36.8	41.7	113		38.3	106		60-150	9		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	32.8	43.3	132		41.4	128		70-140	4		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	36.8	43.0	117		43.8	121		50-150	2		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	92	105	114		97.1	107		65-130	8		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	460	653	142	Q	648	143	Q	70-135	1		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	460	686	149	Q	609	134		50-145	12		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** BUD NORTH**Project Number:** 200112**Lab Number:** L2461048**Report Date:** 11/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1991713-4 WG1991713-5 QC Sample: L2461048-03
 Client ID: MW-01_20241018

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	230		255		40-300
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	258	Q	264	Q	40-200
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	303	Q	307	Q	40-200
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	54		57		10-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	83		85		25-135
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	49		54		10-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	61		64		10-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	103		101		40-170
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	54		58		10-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	100		98		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	78		83		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		79		40-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	104		100		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	67		78		30-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		86		40-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	95		94		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	90		91		40-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	58		65		10-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	52		56		10-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	44		46		5-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	97		100		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96		95		40-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		85		40-130

Matrix Spike Analysis
Batch Quality Control

Project Name: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1991713-4 WG1991713-5 QC Sample: L2461048-03 Client ID: MW-01_20241018												

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	94		97		40-130



Project Name: BUD NORTH
Project Number: 200112

Serial_No:11072417:04
Lab Number: L2461048
Report Date: 11/07/24

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(*)
L2461048-01A	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-01B	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-01C	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-02A	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-02B	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-02C	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-03A	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-03B	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-03C	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-03D	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-03E	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-03F	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-03G	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-03H	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-03I	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28),A2-MS/MSD()
L2461048-04A	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-04B	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-04C	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-05A	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)
L2461048-05B	Plastic 500ml unpreserved	A	NA		5.7	Y	Absent		A2-NY-1633(28)

Project Name: BUD NORTH
Project Number: 200112

Serial_No:11072417:04
Lab Number: L2461048
Report Date: 11/07/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: BUD NORTH
Project Number: 200112

Serial_No:11072417:04
Lab Number: L2461048
Report Date: 11/07/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name: BUD NORTH**Lab Number:** L2461048**Project Number:** 200112**Report Date:** 11/07/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

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: BUD NORTH
Project Number: 200112

Lab Number: L2461048
Report Date: 11/07/24

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: BUD NORTH**Lab Number:** L2461048**Project Number:** 200112**Report Date:** 11/07/24

REFERENCES

- 144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

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, 2,6-Dichlorophenol.

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 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page _____ of _____		Date Rec'd in Lab 10/19/24		ALPHA Job # L2461048																																																																																																																																															
		Project Information Project Name: BUD North Project Location: _____ Project # 200112 (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: ARRF Address: 440 PARK AVE S NY NY Phone: _____ Fax: _____ Email: JJ@ARRF.COM		Project Manager: _____ ALPHAQuote #: _____ Turn-Around Time Standard ☒ Rush (only if pre approved) ☐ Due Date: _____ # 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 ☐						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)																																																																																																																																															
Other project specific requirements/comments: ARRF EQUIS, CAT B, Close S/G Please specify Metals or TAL.						pfes-1633		Total Bottles																																																																																																																																															
<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> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>61048-01</td> <td>MW-03-20241018</td> <td>10/18/24</td> <td>1240</td> <td>GW</td> <td>MB</td> </tr> <tr> <td>-02</td> <td>MW-02-20241018</td> <td></td> <td>1350</td> <td></td> <td></td> </tr> <tr> <td>-03</td> <td>MW-01-20241018</td> <td></td> <td>1545</td> <td></td> <td></td> </tr> <tr> <td>-04</td> <td>MW-0X-20241018</td> <td></td> <td>1230</td> <td></td> <td></td> </tr> <tr> <td>-05</td> <td>FB-20241018</td> <td></td> <td>1500</td> <td>W</td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Date	Time	61048-01	MW-03-20241018	10/18/24	1240	GW	MB	-02	MW-02-20241018		1350			-03	MW-01-20241018		1545			-04	MW-0X-20241018		1230			-05	FB-20241018		1500	W																																																																																																									
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																																																																																																																																																		
		Date	Time																																																																																																																																																				
61048-01	MW-03-20241018	10/18/24	1240	GW	MB																																																																																																																																																		
-02	MW-02-20241018		1350																																																																																																																																																				
-03	MW-01-20241018		1545																																																																																																																																																				
-04	MW-0X-20241018		1230																																																																																																																																																				
-05	FB-20241018		1500	W																																																																																																																																																			
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		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																															
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: Mika Bates ARRF 10/18/24		Date/Time: 10/18/24 1700 10/18/24 1850 10/18/24		Received By: ARRF ARRF 10/18/24 1850 10/18/24 2220 10/19/24 0130 10/19/24 0740		Date/Time: 10/18/24 1200 10/18/24 1850 10/18/24 2220 10/19/24 0130 10/19/24 0600 10/19/24 0740																																																																																																																																															

December 6, 2024

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Alpha Analytical – L2461048

Dear Mr. Diggins:

The evaluation of analytical data by Alpha Analytical for four aqueous samples and one field blank from the Bud North site, which were reported in a single data package under Job No. L2461048 has been completed. The following samples were reported:

MW-03_20241018	MW-02_20241018
MW-01_20241018	MW-0X_20241018
FB_20241018	

Analyses were performed in accordance with USEPA Method 1633 [Per- and Polyfluoroalkyl Substances (PFAS)]. The review was performed to the extent possible, in accordance with the analytical method, “Sampling, Analysis, and Assessment of Per-And Polyfluoroalkyl Substances (PFAS) under NYSDEC’s Part 375 Remedial Programs”, April 2023 and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes

6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

- The results for all target analytes in MW-03_20241018 are qualified as estimated (J-, UJ) because the entire sample volume was not used.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method, instrument blanks
 - Field blanks
 - Labeled analog recoveries
 - OPR and LL OPR recoveries
 - MS/MSD recoveries
 - Extracted internal standards (EIS) and non-extracted internal standards (NIS)
 - Duplicates
 - Analyte Identification
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting sample collection date of October 18, 2024. The samples were received at the laboratory on the same day as sample collection. All samples were received intact and analyzed within method holding time.

Analyte Quantitation

The results for all target analytes in MW-03_20241018 are qualified as estimated (J-, UJ) because a subsample was used for extraction and not the entire sample volume. Because the entire sample was not used, the sample bottles could not be rinsed. This step is critical to catch any PFAS that adsorbs to the surface of the bottle. Detected analytes may be biased low and nondetected analytes may be false negatives.

Field Duplicates

MW-0X_20241018 was submitted as a field duplicate of MW-02_20241018. Precision is acceptable ($RPD \leq 30$) as presented below. Detections below the reporting limit are not evaluated.

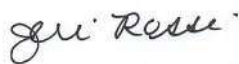
Analyte	MW-02_20241018 (ng/L)	MW-0X_20241018 (ng/L)	RPD
Perfluorobutanesulfonic acid	15.2	13.2	20
Perfluorobutanoic acid	37	34	8
Perfluorodecanoic acid	1.01 (J)	1.15 (J)	nc
Perfluoroheptanoic acid	17.1	15.9	7
Perfluorohexanesulfonic acid	5.93	5.32	11
Perfluorohexanoic acid	57.1	53	7
Perfluorononanoic acid	3.66	3.82	4
Perfluorooctanesulfonic acid (PFOS)	15.9	18.7	16
Perfluorooctanoic acid	54.9	50.2	9
Perfluoropentanesulfonic	1.32 (J)	0.49 (J)	nc

acid			
Perfluoropentanoic acid	60.1	62.3	4
Perfluoroundecanoic acid	1.52 (U)	0.349 (J)	nc

nc-not calculated

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)



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

of

Date Rec'd
in Lab

10/19/24

ALPHA Job #

12461048

Project Information

Project Name: BOD North

Project Location:

Project # 200112

(Use Project name as Project #) ☐

Project Manager:

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: ARRF

Address: 440 PARK AVE S

NY NY

Phone:

Fax:

Email: JJ@ARRF.COM

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

ARRF EQUIS, CAT B, Close S/G

Please specify Metals or TAL.

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:

ANALYSIS

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

Date

Time

Sample
Matrix

Sampler's
Initials

61048-01

MW-03-20241018

10/18/24 1240

GW

MB

-02

MW-02-20241018

1350

-03

MW-01-20241018

1545

-04

MW-0X-20241018

1230

-05

FB-20241018

1500

W

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

O = Other

E = Encore

D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Preservative

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

Mika Bates

10/18/24 1700

[Signature]

10/18/24 1200

[Signature]

10/18/24 1850

[Signature]

10/18/24 1950

[Signature]

10/18/24

[Signature]

10/18/24 2220

[Signature]

10/19/24 0130

[Signature]

10/19/24 0600

[Signature]

10/19/24 0740

[Signature]

10/19/24 0740



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Patrick Diggins
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Generated 2/6/2025 11:41:53 AM

JOB DESCRIPTION

Bud North - 2-21 Malt Drive, Long Island

JOB NUMBER

460-319158-1

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
2/6/2025 11:41:53 AM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Detection Summary	11
Client Sample Results	16
Surrogate Summary	45
Isotope Dilution Summary	49
QC Sample Results	50
QC Association Summary	107
Lab Chronicle	117
Certification Summary	121
Method Summary	123
Sample Summary	124
Chain of Custody	125
Receipt Checklists	130



Definitions/Glossary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
*	MS or MSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
*	Duplicate RPD exceeds control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"

Definitions/Glossary

Client: AKRF Inc

Job ID: 460-319158-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: AKRF Inc
Project: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Job ID: 460-319158-1

Eurofins Edison

CASE NARRATIVE

Client: AKRF Inc

Project: Bud North - 2-21 Malt Drive, Long Island

Report Number: 460-319158-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 1/22/2025 6:00 PM and 1/27/2025 6:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.5°C, 3.7°C, 4.4°C, 5.5°C, 5.7°C and 5.9°C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-01_20250122 (460-319158-2). Sample ID on the COC is MW-01_20250122 but MW-03_20250122 on some of the containers (but packed together with the other MW-01 containers).

Per laboratory policy, the Trip Blank sample date/time was added to reflect the latest sample date/time of the sampling event. TB-01_20250122 (460-319158-5)

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3), FB-01_20250122 (460-319158-4) and TB-01_20250122 (460-319158-5) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 01/23/2025 and 01/30/2025.

The continuing calibration verification (CCV) associated with batch 460-1017719 recovered above the upper control limit for Chloromethane and Methyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-1018632 recovered above the upper control limit for Methyl acetate. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1017719 recovered outside control limits for the following analyte: Methyl acetate. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Methyl acetate failed the recovery criteria high for LCS 460-1017719/4. Methyl acetate failed the recovery criteria high for LCSD 460-1017719/5.

Eurofins Edison

Case Narrative

Client: AKRF Inc
Project: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Job ID: 460-319158-1 (Continued)

Eurofins Edison

1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethene and Cyclohexane failed the recovery criteria low for the MS of sample MW-01_20250122MS (460-319158-2) in batch 460-1017719. Chloroethane and Methyl acetate failed the recovery criteria high.

1,1,2,2-Tetrachloroethane, 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and Methyl acetate failed the recovery criteria high for the MSD of sample MW-01_20250122MSD (460-319158-2) in batch 460-1017719. Bromomethane and Chloroethane exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared and analyzed on 01/23/2025 and 01/28/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1017857 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1018391 was outside the method criteria for the following analyte(s): 4-Nitroaniline, Benzaldehyde and Di-n-octyl phthalate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample duplicate (LCSD) for preparation batch 460-1018383 and analytical batch 460-1018391 recovered outside control limits for the following analytes: Atrazine. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for preparation batch 460-1017771 and analytical batch 460-1017857 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Hexachlorocyclopentadiene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-1017771 and analytical batch 460-1017857 recovered outside control limits for the following analytes: Atrazine and Benzaldehyde.

Atrazine, Benzaldehyde and Hexachlorocyclopentadiene failed the recovery criteria high for LCS 460-1017771/2-A. Atrazine and Benzaldehyde exceeded the RPD limit for LCSD 460-1017771/3-A. Atrazine failed the recovery criteria high for LCSD 460-1018383/3-A.

Several analytes failed the recovery criteria high for the MS of sample MW-01_20250122MS (460-319158-2) in batch 460-1017857.

2,4-Dimethylphenol, Atrazine and Benzaldehyde failed the recovery criteria high for the MSD of sample MW-01_20250122MSD (460-319158-2) in batch 460-1017857.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM) - ISOTOPE DILUTION - 1,4 DIOXANE

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for semivolatile organic compounds -

Eurofins Edison

Case Narrative

Client: AKRF Inc
Project: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Job ID: 460-319158-1 (Continued)

Eurofins Edison

Selected Ion Mode (SIM) - Isotope Dilution - 1,4 Dioxane in accordance with EPA SW-846 Method 8270E SIM 1,4Dioxane. The samples were prepared on 01/23/2025 and 01/28/2025 and analyzed on 01/23/2025, 01/24/2025 and 01/28/2025.

No difficulties were encountered during the 1,4 Dioxane analysis.

All quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS

Sample MW-03_20250127 (460-319369-1) was analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D - DRO. The samples were prepared and analyzed on 01/31/2025.

No difficulties were encountered during the DRO analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 01/23/2025 and 01/28/2025 and analyzed on 01/24/2025 and 01/28/2025.

The following samples required a copper clean-up, via EPA Method 3660B, to reduce matrix interferences: MW-02_20250122 (460-319158-1), MW-01_20250122 (460-319158-2), MW-01_20250122 (460-319158-2[MS]), MW-01_20250122 (460-319158-2[MSD]), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4).

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 01/23/2025 and 01/28/2025 and analyzed on 01/24/2025 and 01/28/2025.

The following samples required a copper clean-up, via EPA Method 3660B, to reduce matrix interferences: MW-02_20250122 (460-319158-1), MW-01_20250122 (460-319158-2), MW-01_20250122 (460-319158-2[MS]), MW-01_20250122 (460-319158-2[MSD]), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4).

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

HERBICIDES

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for Herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 01/23/2025 and 01/28/2025 and analyzed on 01/24/2025 and 01/28/2025.

The closing continuing calibration verification (CCV) standard associated with batch 460-1017895 failed to meet acceptance limits (biased low) for surrogate 2,4-Dichlorophenylacetic acid on the primary column but within limits on the confirmation: therefore data have been reported. (CCV 460-1017895/28)

The continuing calibration verification (CCV) associated with batch 460-1018301 recovered above the upper control limit for 2,4,5-T and Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 460-1018301/23) and (CCV 460-1018301/25).

Surrogate 2,4-Dichlorophenylacetic acid recovery for the following samples were outside the upper control limit: MW-01_20250122 (460-319158-2), MW-01_20250122 (460-319158-2[MS]) and MW-01_20250122 (460-319158-2[MSD]). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The 2,4-Dichlorophenylacetic acid surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: MW-03_20250127 (460-319369-1). The recovery is within acceptance limits on

Eurofins Edison

Case Narrative

Client: AKRF Inc
Project: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Job ID: 460-319158-1 (Continued)

Eurofins Edison

the other column, indicating that the extraction process was in control.

2,4-Dichlorophenylacetic acid failed the surrogate recovery criteria high for MW-03_20250127 (460-319369-1).

2,4,5-T, 2,4-D and Silvex (2,4,5-TP) exceeded the RPD limit for the MSD of sample MW-01_20250122MSD (460-319158-2) in batch 460-1017895.

Refer to the QC report for details.

No other difficulties were encountered during the herbicides analysis.

All other quality control parameters were within the acceptance limits.

MA EXTRACTABLE PET HCS

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for MA Extractable Pet HCs in accordance with MAEPH. The samples were prepared on 01/28/2025 and 01/30/2025 and analyzed on 01/29/2025, 02/03/2025 and 02/04/2025.

The breakthrough for naphthalene and 2-methylnaphthalene in the LCS and LCSD is <1%. The method requirement for breakthrough is 5% or less. MW-02_20250122 (460-319158-1), MW-01_20250122 (460-319158-2), MW-01_20250122 (460-319158-2[MS]), MW-01_20250122 (460-319158-2[MSD]), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4)

The continuing calibration verification (CCV) associated with batch 410-600460 recovered above the upper control limit for Benzo[k]fluoranthene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. MW-02_20250122 (460-319158-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4).

The breakthrough for naphthalene and 2-methylnaphthalene in the LCS and LCSD is <1%. The method requirement for breakthrough is 5% or less. MW-03_20250127 (460-319369-1)

No other difficulties were encountered during the MA Extract Pet HCs analysis.

All other quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared and analyzed on 01/27/2025 and 01/30/2025.

Aluminum was detected in method blank MB 460-1018770/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Potassium and Sodium failed the recovery criteria low for the MS of sample 460-319154-3 in batch 460-1018820.

Selenium failed the recovery criteria low for the MS of sample MW-01_20250122MS (460-319158-2) in batch 460-1018258. Calcium, Potassium and Sodium failed the recovery criteria high.

Selenium failed the recovery criteria low for the MSD of sample MW-01_20250122MSD (460-319158-2) in batch 460-1018258. Calcium, Potassium and Sodium failed the recovery criteria high.

Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for mercury in accordance with EPA

Eurofins Edison

Case Narrative

Client: AKRF Inc
Project: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Job ID: 460-319158-1 (Continued)

Eurofins Edison

SW-846 Methods 7470A. The samples were prepared and analyzed on 01/23/2025 and 01/29/2025.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 01/22/2025 and 01/28/2025.

Sample MW-01_20250122 (460-319158-2MS)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the hexchrome Cr+6(VI) analysis.

All quality control parameters were within the acceptance limits.

TRIVALENT CHROMIUM

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for trivalent chromium in accordance with EPA SW-846 7196A_CR3 by Calculation. The samples were analyzed on 01/28/2025 and 01/29/2025.

No difficulties were encountered during the cr3 analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-02_20250122 (460-319158-1), MW-03_20250127 (460-319369-1), MW-01_20250122 (460-319158-2), MW-0X_20250122 (460-319158-3) and FB-01_20250122 (460-319158-4) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 01/24/2025 and 01/30/2025.

Cyanide, Total failed the recovery criteria low for the MS of sample MW-01_20250122MS (460-319158-2) in batch 460-1018045.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples MW-02_20250122 (460-319158-1)[3X], MW-01_20250122 (460-319158-2)[3X] and MW-0X_20250122 (460-319158-3)[3X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

Eurofins Edison

Detection Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319158-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.3		1.0	0.20	ug/L	1		8260D	Total/NA
Ethylbenzene	0.73	J	1.0	0.30	ug/L	1		8260D	Total/NA
Isopropylbenzene	0.35	J	1.0	0.34	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	0.70	J	1.0	0.30	ug/L	1		8260D	Total/NA
o-Xylene	0.59	J	1.0	0.36	ug/L	1		8260D	Total/NA
Toluene	0.95	J	1.0	0.38	ug/L	1		8260D	Total/NA
1,1'-Biphenyl	1.3	J	10	1.2	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	2.6	J	10	0.53	ug/L	1		8270E	Total/NA
Acenaphthene	4.6	J	10	1.1	ug/L	1		8270E	Total/NA
Anthracene	3.6	J	10	1.3	ug/L	1		8270E	Total/NA
Carbazole	7.7	J	10	0.68	ug/L	1		8270E	Total/NA
Dibenzofuran	11		10	1.1	ug/L	1		8270E	Total/NA
Fluoranthene	6.0	J	10	0.84	ug/L	1		8270E	Total/NA
Fluorene	13		10	0.91	ug/L	1		8270E	Total/NA
Naphthalene	12		2.0	0.54	ug/L	1		8270E	Total/NA
Phenanthrene	38		10	1.3	ug/L	1		8270E	Total/NA
Pyrene	3.5	J	10	1.6	ug/L	1		8270E	Total/NA
Anthracene	5.6		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Fluoranthene	6.7		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Acenaphthylene	4.2		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Acenaphthene	6.1		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Phenanthrene	35		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Fluorene	13		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Naphthalene	16		1.9	1.9	ug/L	1		MA-EPH	Total/NA
2-Methylnaphthalene	3.4		1.9	1.9	ug/L	1		MA-EPH	Total/NA
C11-C22 Aromatics (unadjusted)	220		38	38	ug/L	1		MA-EPH	Total/NA
C11-C22 Aromatics (Adjusted)	120		38	38	ug/L	1		MA-EPH	Total/NA
C9-C18 Aliphatics	29		29	29	ug/L	1		MA-EPH	Total/NA
Aluminum	25.7	J	40.0	11.7	ug/L	1		6020B	Total Recoverable
Arsenic	2.0		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	53.1		4.0	0.93	ug/L	1		6020B	Total Recoverable
Calcium	198000		500	31.7	ug/L	1		6020B	Total Recoverable
Cobalt	1.4	J	4.0	0.41	ug/L	1		6020B	Total Recoverable
Iron	382		120	33.7	ug/L	1		6020B	Total Recoverable
Magnesium	24900		200	21.8	ug/L	1		6020B	Total Recoverable
Manganese	142		8.0	0.84	ug/L	1		6020B	Total Recoverable
Nickel	2.7	J	4.0	1.4	ug/L	1		6020B	Total Recoverable
Potassium	30100		200	83.3	ug/L	1		6020B	Total Recoverable
Sodium	201000		500	180	ug/L	1		6020B	Total Recoverable
Vanadium	1.4	J	4.0	1.0	ug/L	1		6020B	Total Recoverable
Cyanide, Total	561		30.0	12.0	ug/L	3		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	36		5.0	1.9	ug/L	1		8260D	Total/NA
Acetone	53		5.0	4.4	ug/L	1		8260D	Total/NA
Benzene	9.0		1.0	0.20	ug/L	1		8260D	Total/NA
Carbon disulfide	2.9		1.0	0.82	ug/L	1		8260D	Total/NA
Ethylbenzene	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	1.7		1.0	0.30	ug/L	1		8260D	Total/NA
o-Xylene	1.6		1.0	0.36	ug/L	1		8260D	Total/NA
Toluene	1.9		1.0	0.38	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.30		0.20	0.072	ug/L	1		8270E SIM ID	Total/NA
2,4-Dimethylphenol	0.72	J	10	0.62	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	2.2	J	10	0.53	ug/L	1		8270E	Total/NA
2-Methylphenol	1.0	J	10	0.67	ug/L	1		8270E	Total/NA
4-Methylphenol	0.83	J	10	0.65	ug/L	1		8270E	Total/NA
Acenaphthene	5.6	J	10	1.1	ug/L	1		8270E	Total/NA
Anthracene	2.8	J	10	1.3	ug/L	1		8270E	Total/NA
Carbazole	7.2	J	10	0.68	ug/L	1		8270E	Total/NA
Dibenzofuran	5.4	J	10	1.1	ug/L	1		8270E	Total/NA
Fluoranthene	4.2	J	10	0.84	ug/L	1		8270E	Total/NA
Fluorene	8.5	J	10	0.91	ug/L	1		8270E	Total/NA
Naphthalene	21		2.0	0.54	ug/L	1		8270E	Total/NA
Phenanthrene	18		10	1.3	ug/L	1		8270E	Total/NA
Phenol	0.94	J	10	0.29	ug/L	1		8270E	Total/NA
Pyrene	2.8	J	10	1.6	ug/L	1		8270E	Total/NA
Anthracene	2.3		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Fluoranthene	3.8		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Acenaphthene	3.7		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Phenanthrene	9.0		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Fluorene	5.0		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Naphthalene	8.3		1.9	1.9	ug/L	1		MA-EPH	Total/NA
C11-C22 Aromatics (unadjusted)	100		38	38	ug/L	1		MA-EPH	Total/NA
C11-C22 Aromatics (Adjusted)	60		38	38	ug/L	1		MA-EPH	Total/NA
Aluminum	316		40.0	11.7	ug/L	1		6020B	Total Recoverable
Antimony	3.1		2.0	0.48	ug/L	1		6020B	Total Recoverable
Arsenic	12.4		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	74.5		4.0	0.93	ug/L	1		6020B	Total Recoverable
Calcium	203000		500	31.7	ug/L	1		6020B	Total Recoverable
Cobalt	1.4	J	4.0	0.41	ug/L	1		6020B	Total Recoverable
Copper	4.3		4.0	2.0	ug/L	1		6020B	Total Recoverable
Iron	829		120	33.7	ug/L	1		6020B	Total Recoverable
Lead	8.2		1.2	0.42	ug/L	1		6020B	Total Recoverable
Magnesium	41600		200	21.8	ug/L	1		6020B	Total Recoverable
Manganese	106		8.0	0.84	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-01_20250122 (Continued)

Lab Sample ID: 460-319158-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	6.0		4.0	1.4	ug/L	1		6020B	Total Recoverable
Potassium	59900		200	83.3	ug/L	1		6020B	Total Recoverable
Sodium	346000		500	180	ug/L	1		6020B	Total Recoverable
Vanadium	6.6		4.0	1.0	ug/L	1		6020B	Total Recoverable
Cyanide, Total	858		30.0	12.0	ug/L	3		9012B	Total/NA

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.3		1.0	0.20	ug/L	1		8260D	Total/NA
Ethylbenzene	0.77	J	1.0	0.30	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	0.72	J	1.0	0.30	ug/L	1		8260D	Total/NA
o-Xylene	0.61	J	1.0	0.36	ug/L	1		8260D	Total/NA
Toluene	0.90	J	1.0	0.38	ug/L	1		8260D	Total/NA
1,4-Dioxane	0.19	J	0.20	0.072	ug/L	1		8270E SIM ID	Total/NA
1,1'-Biphenyl	1.5	J	10	1.2	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	3.0	J	10	0.53	ug/L	1		8270E	Total/NA
Acenaphthene	5.5	J	10	1.1	ug/L	1		8270E	Total/NA
Anthracene	3.3	J	10	1.3	ug/L	1		8270E	Total/NA
Carbazole	10		10	0.68	ug/L	1		8270E	Total/NA
Dibenzofuran	13		10	1.1	ug/L	1		8270E	Total/NA
Fluoranthene	5.9	J	10	0.84	ug/L	1		8270E	Total/NA
Fluorene	14		10	0.91	ug/L	1		8270E	Total/NA
Naphthalene	16		2.0	0.54	ug/L	1		8270E	Total/NA
Phenanthrene	40		10	1.3	ug/L	1		8270E	Total/NA
Pyrene	3.6	J	10	1.6	ug/L	1		8270E	Total/NA
Anthracene	4.2		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Fluoranthene	5.2		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Acenaphthylene	3.5		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Acenaphthene	5.5		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Phenanthrene	26		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Fluorene	10		1.9	1.9	ug/L	1		MA-EPH	Total/NA
Naphthalene	16		1.9	1.9	ug/L	1		MA-EPH	Total/NA
2-Methylnaphthalene	2.9		1.9	1.9	ug/L	1		MA-EPH	Total/NA
C11-C22 Aromatics (unadjusted)	190		38	38	ug/L	1		MA-EPH	Total/NA
C11-C22 Aromatics (Adjusted)	110		38	38	ug/L	1		MA-EPH	Total/NA
Aluminum	24.8	J	40.0	11.7	ug/L	1		6020B	Total Recoverable
Arsenic	2.3		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	51.6		4.0	0.93	ug/L	1		6020B	Total Recoverable
Calcium	196000		500	31.7	ug/L	1		6020B	Total Recoverable
Cobalt	1.4	J	4.0	0.41	ug/L	1		6020B	Total Recoverable
Iron	374		120	33.7	ug/L	1		6020B	Total Recoverable
Magnesium	24500		200	21.8	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-0X_20250122 (Continued)

Lab Sample ID: 460-319158-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	142		8.0	0.84	ug/L	1		6020B	Total
Nickel	2.6	J	4.0	1.4	ug/L	1		6020B	Recoverable
Potassium	28900		200	83.3	ug/L	1		6020B	Total
Sodium	198000		500	180	ug/L	1		6020B	Recoverable
Vanadium	1.4	J	4.0	1.0	ug/L	1		6020B	Total
Cyanide, Total	579		30.0	12.0	ug/L	3		9012B	Recoverable
									Total/NA

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319158-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	34.0	J	500	31.7	ug/L	1		6020B	Total
Cyanide, Total	8.1	J	10.0	4.0	ug/L	1		9012B	Recoverable
									Total/NA

Client Sample ID: TB-01_20250122

Lab Sample ID: 460-319158-5

No Detections.

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	35		5.0	1.9	ug/L	1		8260D	Total/NA
Acetone	340		5.0	4.4	ug/L	1		8260D	Total/NA
Caprolactam	12		10	2.2	ug/L	1		8270E	Total/NA
Phenol	2.5	J	10	0.29	ug/L	1		8270E	Total/NA
Diesel Range Organics [C10-C28]	520		100	28	ug/L	1		8015D	Total/NA
Aluminum	1210	B	40.0	11.7	ug/L	1		6020B	Total
Arsenic	6.5		2.0	1.2	ug/L	1		6020B	Recoverable
Barium	48.3		4.0	0.93	ug/L	1		6020B	Total
Cadmium	1.1	J	2.0	0.38	ug/L	1		6020B	Recoverable
Calcium	254000		500	31.7	ug/L	1		6020B	Total
Chromium	40.9		4.0	1.7	ug/L	1		6020B	Recoverable
Cobalt	28.8		4.0	0.41	ug/L	1		6020B	Total
Copper	32.4		4.0	2.0	ug/L	1		6020B	Recoverable
Iron	66300		120	33.7	ug/L	1		6020B	Total
Lead	34.5		1.2	0.42	ug/L	1		6020B	Recoverable
Magnesium	47600		200	21.8	ug/L	1		6020B	Total
Manganese	1990		8.0	0.84	ug/L	1		6020B	Recoverable
Nickel	33.5		4.0	1.4	ug/L	1		6020B	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: AKRF Inc

Job ID: 460-319158-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Client Sample ID: MW-03_20250127 (Continued)

Lab Sample ID: 460-319369-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	31500		200	83.3	ug/L	1		6020B	Total
									Recoverable
Sodium	356000		500	180	ug/L	1		6020B	Total
									Recoverable
Vanadium	4.6		4.0	1.0	ug/L	1		6020B	Total
									Recoverable
Zinc	81.8		16.0	4.2	ug/L	1		6020B	Total
									Recoverable
Mercury	0.11	J	0.20	0.091	ug/L	1		7470A	Total/NA
Cr (III)	40.9		10.0	10.0	ug/L	1		7196A	Total/NA
Cyanide, Total	146		10.0	4.0	ug/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319158-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/23/25 12:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/23/25 12:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/23/25 12:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/23/25 12:41	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/23/25 12:41	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/23/25 12:41	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/23/25 12:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/23/25 12:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/23/25 12:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/23/25 12:41	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/23/25 12:41	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/23/25 12:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/23/25 12:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/23/25 12:41	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/23/25 12:41	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/23/25 12:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/23/25 12:41	1
Acetone	5.0	U	5.0	4.4	ug/L			01/23/25 12:41	1
Benzene	3.3		1.0	0.20	ug/L			01/23/25 12:41	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/23/25 12:41	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/23/25 12:41	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/23/25 12:41	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/23/25 12:41	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/23/25 12:41	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/23/25 12:41	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/23/25 12:41	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/23/25 12:41	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/23/25 12:41	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/23/25 12:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/23/25 12:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 12:41	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/23/25 12:41	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/23/25 12:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/23/25 12:41	1
Ethylbenzene	0.73	J	1.0	0.30	ug/L			01/23/25 12:41	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/23/25 12:41	1
Isopropylbenzene	0.35	J	1.0	0.34	ug/L			01/23/25 12:41	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/23/25 12:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/23/25 12:41	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/23/25 12:41	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/23/25 12:41	1
m-Xylene & p-Xylene	0.70	J	1.0	0.30	ug/L			01/23/25 12:41	1
o-Xylene	0.59	J	1.0	0.36	ug/L			01/23/25 12:41	1
Styrene	1.0	U	1.0	0.42	ug/L			01/23/25 12:41	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/23/25 12:41	1
Toluene	0.95	J	1.0	0.38	ug/L			01/23/25 12:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/23/25 12:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 12:41	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/23/25 12:41	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319158-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/23/25 12:41	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/23/25 12:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		70 - 128					01/23/25 12:41	1
4-Bromofluorobenzene	91		76 - 120					01/23/25 12:41	1
Dibromofluoromethane (Surr)	101		77 - 132					01/23/25 12:41	1
Toluene-d8 (Surr)	110		80 - 120					01/23/25 12:41	1

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		01/23/25 10:06	01/23/25 23:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	44		10 - 150				01/23/25 10:06	01/23/25 23:41	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.3	J	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:27	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,4-Dinitrophenol	40	U	40	11	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		01/23/25 10:04	01/23/25 22:27	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		01/23/25 10:04	01/23/25 22:27	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:27	1
2-Chlorophenol	10	U	10	0.95	ug/L		01/23/25 10:04	01/23/25 22:27	1
2-Methylnaphthalene	2.6	J	10	0.53	ug/L		01/23/25 10:04	01/23/25 22:27	1
2-Methylphenol	10	U	10	0.67	ug/L		01/23/25 10:04	01/23/25 22:27	1
2-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:27	1
2-Nitrophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 22:27	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		01/23/25 10:04	01/23/25 22:27	1
3-Nitroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 22:27	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		01/23/25 10:04	01/23/25 22:27	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 22:27	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 22:27	1
4-Chloroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 22:27	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 22:27	1
4-Methylphenol	10	U	10	0.65	ug/L		01/23/25 10:04	01/23/25 22:27	1
4-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:27	1
4-Nitrophenol	20	U	20	4.0	ug/L		01/23/25 10:04	01/23/25 22:27	1
Acenaphthene	4.6	J	10	1.1	ug/L		01/23/25 10:04	01/23/25 22:27	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/25 10:04	01/23/25 22:27	1
Acetophenone	10	U	10	2.3	ug/L		01/23/25 10:04	01/23/25 22:27	1
Anthracene	3.6	J	10	1.3	ug/L		01/23/25 10:04	01/23/25 22:27	1
Atrazine	2.0	U *	2.0	1.3	ug/L		01/23/25 10:04	01/23/25 22:27	1
Benzaldehyde	10	U *	10	2.1	ug/L		01/23/25 10:04	01/23/25 22:27	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319158-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/25 10:04	01/23/25 22:27	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/23/25 10:04	01/23/25 22:27	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/25 10:04	01/23/25 22:27	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		01/23/25 10:04	01/23/25 22:27	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/25 10:04	01/23/25 22:27	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		01/23/25 10:04	01/23/25 22:27	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		01/23/25 10:04	01/23/25 22:27	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 22:27	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		01/23/25 10:04	01/23/25 22:27	1
Caprolactam	10	U	10	2.2	ug/L		01/23/25 10:04	01/23/25 22:27	1
Carbazole	7.7	J	10	0.68	ug/L		01/23/25 10:04	01/23/25 22:27	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/25 10:04	01/23/25 22:27	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/25 10:04	01/23/25 22:27	1
Dibenzofuran	11		10	1.1	ug/L		01/23/25 10:04	01/23/25 22:27	1
Diethyl phthalate	10	U	10	0.98	ug/L		01/23/25 10:04	01/23/25 22:27	1
Dimethyl phthalate	10	U	10	0.77	ug/L		01/23/25 10:04	01/23/25 22:27	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		01/23/25 10:04	01/23/25 22:27	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		01/23/25 10:04	01/23/25 22:27	1
Fluoranthene	6.0	J	10	0.84	ug/L		01/23/25 10:04	01/23/25 22:27	1
Fluorene	13		10	0.91	ug/L		01/23/25 10:04	01/23/25 22:27	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		01/23/25 10:04	01/23/25 22:27	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		01/23/25 10:04	01/23/25 22:27	1
Hexachlorocyclopentadiene	10	U *	10	3.6	ug/L		01/23/25 10:04	01/23/25 22:27	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 22:27	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/25 10:04	01/23/25 22:27	1
Isophorone	10	U	10	0.80	ug/L		01/23/25 10:04	01/23/25 22:27	1
Naphthalene	12		2.0	0.54	ug/L		01/23/25 10:04	01/23/25 22:27	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		01/23/25 10:04	01/23/25 22:27	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		01/23/25 10:04	01/23/25 22:27	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		01/23/25 10:04	01/23/25 22:27	1
Pentachlorophenol	20	U	20	6.6	ug/L		01/23/25 10:04	01/23/25 22:27	1
Phenanthrene	38		10	1.3	ug/L		01/23/25 10:04	01/23/25 22:27	1
Phenol	10	U	10	0.29	ug/L		01/23/25 10:04	01/23/25 22:27	1
Pyrene	3.5	J	10	1.6	ug/L		01/23/25 10:04	01/23/25 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		37 - 150	01/23/25 10:04	01/23/25 22:27	1
2-Fluorobiphenyl	98		46 - 139	01/23/25 10:04	01/23/25 22:27	1
2-Fluorophenol (Surr)	62		16 - 80	01/23/25 10:04	01/23/25 22:27	1
Nitrobenzene-d5 (Surr)	101		51 - 145	01/23/25 10:04	01/23/25 22:27	1
Phenol-d5 (Surr)	42		10 - 56	01/23/25 10:04	01/23/25 22:27	1
Terphenyl-d14 (Surr)	24		13 - 159	01/23/25 10:04	01/23/25 22:27	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 08:48	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 08:48	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 08:48	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 08:48	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/23/25 20:22	01/24/25 08:48	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319158-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.020	U	0.020	0.015	ug/L		01/23/25 20:22	01/24/25 08:48	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/23/25 20:22	01/24/25 08:48	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 08:48	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 08:48	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 08:48	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 08:48	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 08:48	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 08:48	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 08:48	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 08:48	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/23/25 20:22	01/24/25 08:48	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 08:48	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 08:48	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 08:48	1
Toxaphene	0.50	U	0.50	0.11	ug/L		01/23/25 20:22	01/24/25 08:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		30 - 131	01/23/25 20:22	01/24/25 08:48	1
DCB Decachlorobiphenyl	51		30 - 131	01/23/25 20:22	01/24/25 08:48	1
Tetrachloro-m-xylene	78		34 - 120	01/23/25 20:22	01/24/25 08:48	1
Tetrachloro-m-xylene	66		34 - 120	01/23/25 20:22	01/24/25 08:48	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:23	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:23	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:23	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:23	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:23	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 13:23	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 13:23	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 13:23	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 13:23	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		18 - 145	01/23/25 20:09	01/24/25 13:23	1
DCB Decachlorobiphenyl	68		18 - 145	01/23/25 20:09	01/24/25 13:23	1
Tetrachloro-m-xylene	67		21 - 124	01/23/25 20:09	01/24/25 13:23	1
Tetrachloro-m-xylene	75		21 - 124	01/23/25 20:09	01/24/25 13:23	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/23/25 19:30	01/24/25 11:55	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/23/25 19:30	01/24/25 11:55	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/23/25 19:30	01/24/25 11:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	77		10 - 150	01/23/25 19:30	01/24/25 11:55	1
2,4-Dichlorophenylacetic acid	54		10 - 150	01/23/25 19:30	01/24/25 11:55	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319158-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Method: MA DEP MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	5.6		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Pyrene	11	U	11	11	ug/L		01/28/25 21:18	01/29/25 20:02	1
Benzo[g,h,i]perylene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Benzo[b]fluoranthene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Fluoranthene	6.7		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Benzo[k]fluoranthene	3.8	U	3.8	3.8	ug/L		01/28/25 21:18	01/29/25 20:02	1
Acenaphthylene	4.2		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Chrysene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Benzo[a]pyrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Dibenz(a,h)anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Benzo[a]anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Acenaphthene	6.1		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Phenanthrene	35		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Fluorene	13		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
Naphthalene	16		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
2-Methylnaphthalene	3.4		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:02	1
C11-C22 Aromatics (unadjusted)	220		38	38	ug/L		01/28/25 21:18	01/29/25 20:02	1
C11-C22 Aromatics (Adjusted)	120		38	38	ug/L		01/28/25 21:18	01/29/25 20:02	1
C19-C36 Aliphatics	48	U	48	48	ug/L		01/28/25 21:18	01/29/25 20:02	1
C9-C18 Aliphatics	29		29	29	ug/L		01/28/25 21:18	01/29/25 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane (Surr)	57		40 - 140	01/28/25 21:18	01/29/25 20:02	1
2-Fluorobiphenyl (Surr)	89		40 - 140	01/28/25 21:18	01/29/25 20:02	1
o-terphenyl (Surr)	79		40 - 140	01/28/25 21:18	01/29/25 20:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25.7	J	40.0	11.7	ug/L		01/27/25 10:08	01/27/25 16:24	1
Antimony	2.0	U	2.0	0.48	ug/L		01/27/25 10:08	01/27/25 16:24	1
Arsenic	2.0		2.0	1.2	ug/L		01/27/25 10:08	01/27/25 16:24	1
Barium	53.1		4.0	0.93	ug/L		01/27/25 10:08	01/27/25 16:24	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/27/25 10:08	01/27/25 16:24	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/27/25 10:08	01/27/25 16:24	1
Calcium	198000		500	31.7	ug/L		01/27/25 10:08	01/27/25 16:24	1
Chromium	4.0	U	4.0	1.7	ug/L		01/27/25 10:08	01/27/25 16:24	1
Cobalt	1.4	J	4.0	0.41	ug/L		01/27/25 10:08	01/27/25 16:24	1
Copper	4.0	U	4.0	2.0	ug/L		01/27/25 10:08	01/27/25 16:24	1
Iron	382		120	33.7	ug/L		01/27/25 10:08	01/27/25 16:24	1
Lead	1.2	U	1.2	0.42	ug/L		01/27/25 10:08	01/27/25 16:24	1
Magnesium	24900		200	21.8	ug/L		01/27/25 10:08	01/27/25 16:24	1
Manganese	142		8.0	0.84	ug/L		01/27/25 10:08	01/27/25 16:24	1
Nickel	2.7	J	4.0	1.4	ug/L		01/27/25 10:08	01/27/25 16:24	1
Potassium	30100		200	83.3	ug/L		01/27/25 10:08	01/27/25 16:24	1
Selenium	2.5	U	2.5	0.43	ug/L		01/27/25 10:08	01/27/25 16:24	1
Silver	2.0	U	2.0	1.3	ug/L		01/27/25 10:08	01/27/25 16:24	1
Sodium	201000		500	180	ug/L		01/27/25 10:08	01/27/25 16:24	1
Thallium	0.80	U	0.80	0.19	ug/L		01/27/25 10:08	01/27/25 16:24	1
Vanadium	1.4	J	4.0	1.0	ug/L		01/27/25 10:08	01/27/25 16:24	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319158-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	16.0	U	16.0	4.2	ug/L		01/27/25 10:08	01/27/25 16:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		01/23/25 11:38	01/23/25 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			01/28/25 16:44	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			01/22/25 22:17	1
Cyanide, Total (SW846 9012B)	561		30.0	12.0	ug/L		01/24/25 17:52	01/24/25 21:20	3

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/23/25 12:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/23/25 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/23/25 12:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/23/25 12:19	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/23/25 12:19	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/23/25 12:19	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/23/25 12:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/23/25 12:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/23/25 12:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/23/25 12:19	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/23/25 12:19	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/23/25 12:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/23/25 12:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/23/25 12:19	1
2-Butanone (MEK)	36		5.0	1.9	ug/L			01/23/25 12:19	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/23/25 12:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/23/25 12:19	1
Acetone	53		5.0	4.4	ug/L			01/23/25 12:19	1
Benzene	9.0		1.0	0.20	ug/L			01/23/25 12:19	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/23/25 12:19	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/23/25 12:19	1
Carbon disulfide	2.9		1.0	0.82	ug/L			01/23/25 12:19	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/23/25 12:19	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/23/25 12:19	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/23/25 12:19	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/23/25 12:19	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/23/25 12:19	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/23/25 12:19	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/23/25 12:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/23/25 12:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 12:19	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/23/25 12:19	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/23/25 12:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/23/25 12:19	1
Ethylbenzene	1.9		1.0	0.30	ug/L			01/23/25 12:19	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/23/25 12:19	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/23/25 12:19	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/23/25 12:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/23/25 12:19	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/23/25 12:19	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/23/25 12:19	1
m-Xylene & p-Xylene	1.7		1.0	0.30	ug/L			01/23/25 12:19	1
o-Xylene	1.6		1.0	0.36	ug/L			01/23/25 12:19	1
Styrene	1.0	U	1.0	0.42	ug/L			01/23/25 12:19	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/23/25 12:19	1
Toluene	1.9		1.0	0.38	ug/L			01/23/25 12:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/23/25 12:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 12:19	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/23/25 12:19	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/23/25 12:19	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/23/25 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 128		01/23/25 12:19	1
4-Bromofluorobenzene	90		76 - 120		01/23/25 12:19	1
Dibromofluoromethane (Surr)	93		77 - 132		01/23/25 12:19	1
Toluene-d8 (Surr)	108		80 - 120		01/23/25 12:19	1

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.30		0.20	0.072	ug/L		01/23/25 10:06	01/23/25 23:56	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	39		10 - 150				01/23/25 10:06	01/23/25 23:56	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:48	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,4-Dimethylphenol	0.72	J	10	0.62	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,4-Dinitrophenol	40	U	40	11	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		01/23/25 10:04	01/23/25 22:48	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		01/23/25 10:04	01/23/25 22:48	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:48	1
2-Chlorophenol	10	U	10	0.95	ug/L		01/23/25 10:04	01/23/25 22:48	1
2-Methylnaphthalene	2.2	J	10	0.53	ug/L		01/23/25 10:04	01/23/25 22:48	1
2-Methylphenol	1.0	J	10	0.67	ug/L		01/23/25 10:04	01/23/25 22:48	1
2-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:48	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 22:48	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		01/23/25 10:04	01/23/25 22:48	1
3-Nitroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 22:48	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		01/23/25 10:04	01/23/25 22:48	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 22:48	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 22:48	1
4-Chloroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 22:48	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 22:48	1
4-Methylphenol	0.83	J	10	0.65	ug/L		01/23/25 10:04	01/23/25 22:48	1
4-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 22:48	1
4-Nitrophenol	20	U	20	4.0	ug/L		01/23/25 10:04	01/23/25 22:48	1
Acenaphthene	5.6	J	10	1.1	ug/L		01/23/25 10:04	01/23/25 22:48	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/25 10:04	01/23/25 22:48	1
Acetophenone	10	U	10	2.3	ug/L		01/23/25 10:04	01/23/25 22:48	1
Anthracene	2.8	J	10	1.3	ug/L		01/23/25 10:04	01/23/25 22:48	1
Atrazine	2.0	U *	2.0	1.3	ug/L		01/23/25 10:04	01/23/25 22:48	1
Benzaldehyde	10	U *	10	2.1	ug/L		01/23/25 10:04	01/23/25 22:48	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/25 10:04	01/23/25 22:48	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/23/25 10:04	01/23/25 22:48	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/25 10:04	01/23/25 22:48	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		01/23/25 10:04	01/23/25 22:48	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/25 10:04	01/23/25 22:48	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		01/23/25 10:04	01/23/25 22:48	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		01/23/25 10:04	01/23/25 22:48	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 22:48	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		01/23/25 10:04	01/23/25 22:48	1
Caprolactam	10	U	10	2.2	ug/L		01/23/25 10:04	01/23/25 22:48	1
Carbazole	7.2	J	10	0.68	ug/L		01/23/25 10:04	01/23/25 22:48	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/25 10:04	01/23/25 22:48	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/25 10:04	01/23/25 22:48	1
Dibenzofuran	5.4	J	10	1.1	ug/L		01/23/25 10:04	01/23/25 22:48	1
Diethyl phthalate	10	U	10	0.98	ug/L		01/23/25 10:04	01/23/25 22:48	1
Dimethyl phthalate	10	U	10	0.77	ug/L		01/23/25 10:04	01/23/25 22:48	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		01/23/25 10:04	01/23/25 22:48	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		01/23/25 10:04	01/23/25 22:48	1
Fluoranthene	4.2	J	10	0.84	ug/L		01/23/25 10:04	01/23/25 22:48	1
Fluorene	8.5	J	10	0.91	ug/L		01/23/25 10:04	01/23/25 22:48	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		01/23/25 10:04	01/23/25 22:48	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		01/23/25 10:04	01/23/25 22:48	1
Hexachlorocyclopentadiene	10	U *	10	3.6	ug/L		01/23/25 10:04	01/23/25 22:48	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 22:48	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/25 10:04	01/23/25 22:48	1
Isophorone	10	U	10	0.80	ug/L		01/23/25 10:04	01/23/25 22:48	1
Naphthalene	21		2.0	0.54	ug/L		01/23/25 10:04	01/23/25 22:48	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		01/23/25 10:04	01/23/25 22:48	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		01/23/25 10:04	01/23/25 22:48	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		01/23/25 10:04	01/23/25 22:48	1
Pentachlorophenol	20	U	20	6.6	ug/L		01/23/25 10:04	01/23/25 22:48	1
Phenanthrene	18		10	1.3	ug/L		01/23/25 10:04	01/23/25 22:48	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.94	J	10	0.29	ug/L		01/23/25 10:04	01/23/25 22:48	1
Pyrene	2.8	J	10	1.6	ug/L		01/23/25 10:04	01/23/25 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		37 - 150	01/23/25 10:04	01/23/25 22:48	1
2-Fluorobiphenyl	99		46 - 139	01/23/25 10:04	01/23/25 22:48	1
2-Fluorophenol (Surr)	59		16 - 80	01/23/25 10:04	01/23/25 22:48	1
Nitrobenzene-d5 (Surr)	100		51 - 145	01/23/25 10:04	01/23/25 22:48	1
Phenol-d5 (Surr)	38		10 - 56	01/23/25 10:04	01/23/25 22:48	1
Terphenyl-d14 (Surr)	21		13 - 159	01/23/25 10:04	01/23/25 22:48	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 08:09	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 08:09	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 08:09	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 08:09	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/23/25 20:22	01/24/25 08:09	1
beta-BHC	0.020	U	0.020	0.015	ug/L		01/23/25 20:22	01/24/25 08:09	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/23/25 20:22	01/24/25 08:09	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 08:09	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 08:09	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 08:09	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 08:09	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 08:09	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 08:09	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 08:09	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 08:09	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/23/25 20:22	01/24/25 08:09	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 08:09	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 08:09	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 08:09	1
Toxaphene	0.50	U	0.50	0.11	ug/L		01/23/25 20:22	01/24/25 08:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	57		30 - 131	01/23/25 20:22	01/24/25 08:09	1
DCB Decachlorobiphenyl	54		30 - 131	01/23/25 20:22	01/24/25 08:09	1
Tetrachloro-m-xylene	62		34 - 120	01/23/25 20:22	01/24/25 08:09	1
Tetrachloro-m-xylene	63		34 - 120	01/23/25 20:22	01/24/25 08:09	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:40	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:40	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:40	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:40	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:40	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 13:40	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 13:40	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 13:40	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 13:40	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		18 - 145				01/23/25 20:09	01/24/25 13:40	1
DCB Decachlorobiphenyl	66		18 - 145				01/23/25 20:09	01/24/25 13:40	1
Tetrachloro-m-xylene	71		21 - 124				01/23/25 20:09	01/24/25 13:40	1
Tetrachloro-m-xylene	74		21 - 124				01/23/25 20:09	01/24/25 13:40	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/23/25 19:30	01/24/25 12:14	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/23/25 19:30	01/24/25 12:14	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/23/25 19:30	01/24/25 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	593	*	10 - 150				01/23/25 19:30	01/24/25 12:14	1
2,4-Dichlorophenylacetic acid	26		10 - 150				01/23/25 19:30	01/24/25 12:14	1

Method: MA DEP MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	2.3		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Pyrene	12	U	12	12	ug/L		01/28/25 21:18	01/29/25 20:24	1
Benzo[g,h,i]perylene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Benzo[b]fluoranthene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Fluoranthene	3.8		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Benzo[k]fluoranthene	3.8	U	3.8	3.8	ug/L		01/28/25 21:18	01/29/25 20:24	1
Acenaphthylene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Chrysene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Benzo[a]pyrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Dibenz(a,h)anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Benzo[a]anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Acenaphthene	3.7		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Phenanthrene	9.0		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Fluorene	5.0		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
Naphthalene	8.3		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
2-Methylnaphthalene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 20:24	1
C11-C22 Aromatics (unadjusted)	100		38	38	ug/L		01/28/25 21:18	01/29/25 20:24	1
C11-C22 Aromatics (Adjusted)	60		38	38	ug/L		01/28/25 21:18	01/29/25 20:24	1
C19-C36 Aliphatics	48	U	48	48	ug/L		01/28/25 21:18	01/29/25 20:24	1
C9-C18 Aliphatics	29	U	29	29	ug/L		01/28/25 21:18	01/29/25 20:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctadecane (Surr)	60		40 - 140				01/28/25 21:18	01/29/25 20:24	1
2-Fluorobiphenyl (Surr)	94		40 - 140				01/28/25 21:18	01/29/25 20:24	1
o-terphenyl (Surr)	71		40 - 140				01/28/25 21:18	01/29/25 20:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	316		40.0	11.7	ug/L		01/27/25 10:08	01/27/25 16:11	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3.1		2.0	0.48	ug/L		01/27/25 10:08	01/27/25 16:11	1
Arsenic	12.4		2.0	1.2	ug/L		01/27/25 10:08	01/27/25 16:11	1
Barium	74.5		4.0	0.93	ug/L		01/27/25 10:08	01/27/25 16:11	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/27/25 10:08	01/27/25 16:11	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/27/25 10:08	01/27/25 16:11	1
Calcium	203000		500	31.7	ug/L		01/27/25 10:08	01/27/25 16:11	1
Chromium	4.0	U	4.0	1.7	ug/L		01/27/25 10:08	01/27/25 16:11	1
Cobalt	1.4	J	4.0	0.41	ug/L		01/27/25 10:08	01/27/25 16:11	1
Copper	4.3		4.0	2.0	ug/L		01/27/25 10:08	01/27/25 16:11	1
Iron	829		120	33.7	ug/L		01/27/25 10:08	01/27/25 16:11	1
Lead	8.2		1.2	0.42	ug/L		01/27/25 10:08	01/27/25 16:11	1
Magnesium	41600		200	21.8	ug/L		01/27/25 10:08	01/27/25 16:11	1
Manganese	106		8.0	0.84	ug/L		01/27/25 10:08	01/27/25 16:11	1
Nickel	6.0		4.0	1.4	ug/L		01/27/25 10:08	01/27/25 16:11	1
Potassium	59900		200	83.3	ug/L		01/27/25 10:08	01/27/25 16:11	1
Selenium	2.5	U	2.5	0.43	ug/L		01/27/25 10:08	01/27/25 16:11	1
Silver	2.0	U	2.0	1.3	ug/L		01/27/25 10:08	01/27/25 16:11	1
Sodium	346000		500	180	ug/L		01/27/25 10:08	01/27/25 16:11	1
Thallium	0.80	U	0.80	0.19	ug/L		01/27/25 10:08	01/27/25 16:11	1
Vanadium	6.6		4.0	1.0	ug/L		01/27/25 10:08	01/27/25 16:11	1
Zinc	16.0	U	16.0	4.2	ug/L		01/27/25 10:08	01/27/25 16:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		01/23/25 11:38	01/23/25 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			01/28/25 16:44	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			01/22/25 22:17	1
Cyanide, Total (SW846 9012B)	858		30.0	12.0	ug/L		01/24/25 17:52	01/24/25 21:18	3

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/23/25 13:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/23/25 13:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/23/25 13:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/23/25 13:03	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/23/25 13:03	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/23/25 13:03	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/23/25 13:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/23/25 13:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/23/25 13:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/23/25 13:03	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/23/25 13:03	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/23/25 13:03	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/23/25 13:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/23/25 13:03	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/23/25 13:03	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/23/25 13:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/23/25 13:03	1
Acetone	5.0	U	5.0	4.4	ug/L			01/23/25 13:03	1
Benzene	3.3		1.0	0.20	ug/L			01/23/25 13:03	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/23/25 13:03	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/23/25 13:03	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/23/25 13:03	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/23/25 13:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/23/25 13:03	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/23/25 13:03	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/23/25 13:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/23/25 13:03	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/23/25 13:03	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/23/25 13:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/23/25 13:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 13:03	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/23/25 13:03	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/23/25 13:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/23/25 13:03	1
Ethylbenzene	0.77	J	1.0	0.30	ug/L			01/23/25 13:03	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/23/25 13:03	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/23/25 13:03	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/23/25 13:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/23/25 13:03	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/23/25 13:03	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/23/25 13:03	1
m-Xylene & p-Xylene	0.72	J	1.0	0.30	ug/L			01/23/25 13:03	1
o-Xylene	0.61	J	1.0	0.36	ug/L			01/23/25 13:03	1
Styrene	1.0	U	1.0	0.42	ug/L			01/23/25 13:03	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/23/25 13:03	1
Toluene	0.90	J	1.0	0.38	ug/L			01/23/25 13:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/23/25 13:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 13:03	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/23/25 13:03	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/23/25 13:03	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/23/25 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		70 - 128		01/23/25 13:03	1
4-Bromofluorobenzene	92		76 - 120		01/23/25 13:03	1
Dibromofluoromethane (Surr)	94		77 - 132		01/23/25 13:03	1
Toluene-d8 (Surr)	113		80 - 120		01/23/25 13:03	1

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.19	J	0.20	0.072	ug/L		01/23/25 10:06	01/24/25 00:12	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	44		10 - 150	01/23/25 10:06	01/24/25 00:12	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.5	J	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:09	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,4-Dinitrophenol	40	U	40	11	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		01/23/25 10:04	01/23/25 23:09	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		01/23/25 10:04	01/23/25 23:09	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:09	1
2-Chlorophenol	10	U	10	0.95	ug/L		01/23/25 10:04	01/23/25 23:09	1
2-Methylnaphthalene	3.0	J	10	0.53	ug/L		01/23/25 10:04	01/23/25 23:09	1
2-Methylphenol	10	U	10	0.67	ug/L		01/23/25 10:04	01/23/25 23:09	1
2-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:09	1
2-Nitrophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 23:09	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		01/23/25 10:04	01/23/25 23:09	1
3-Nitroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 23:09	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		01/23/25 10:04	01/23/25 23:09	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 23:09	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 23:09	1
4-Chloroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 23:09	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 23:09	1
4-Methylphenol	10	U	10	0.65	ug/L		01/23/25 10:04	01/23/25 23:09	1
4-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:09	1
4-Nitrophenol	20	U	20	4.0	ug/L		01/23/25 10:04	01/23/25 23:09	1
Acenaphthene	5.5	J	10	1.1	ug/L		01/23/25 10:04	01/23/25 23:09	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/25 10:04	01/23/25 23:09	1
Acetophenone	10	U	10	2.3	ug/L		01/23/25 10:04	01/23/25 23:09	1
Anthracene	3.3	J	10	1.3	ug/L		01/23/25 10:04	01/23/25 23:09	1
Atrazine	2.0	U *	2.0	1.3	ug/L		01/23/25 10:04	01/23/25 23:09	1
Benzaldehyde	10	U *	10	2.1	ug/L		01/23/25 10:04	01/23/25 23:09	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/25 10:04	01/23/25 23:09	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/23/25 10:04	01/23/25 23:09	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/25 10:04	01/23/25 23:09	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		01/23/25 10:04	01/23/25 23:09	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/25 10:04	01/23/25 23:09	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		01/23/25 10:04	01/23/25 23:09	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		01/23/25 10:04	01/23/25 23:09	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 23:09	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		01/23/25 10:04	01/23/25 23:09	1
Caprolactam	10	U	10	2.2	ug/L		01/23/25 10:04	01/23/25 23:09	1
Carbazole	10		10	0.68	ug/L		01/23/25 10:04	01/23/25 23:09	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/25 10:04	01/23/25 23:09	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/25 10:04	01/23/25 23:09	1
Dibenzofuran	13		10	1.1	ug/L		01/23/25 10:04	01/23/25 23:09	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	10	U	10	0.98	ug/L		01/23/25 10:04	01/23/25 23:09	1
Dimethyl phthalate	10	U	10	0.77	ug/L		01/23/25 10:04	01/23/25 23:09	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		01/23/25 10:04	01/23/25 23:09	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		01/23/25 10:04	01/23/25 23:09	1
Fluoranthene	5.9	J	10	0.84	ug/L		01/23/25 10:04	01/23/25 23:09	1
Fluorene	14		10	0.91	ug/L		01/23/25 10:04	01/23/25 23:09	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		01/23/25 10:04	01/23/25 23:09	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		01/23/25 10:04	01/23/25 23:09	1
Hexachlorocyclopentadiene	10	U *	10	3.6	ug/L		01/23/25 10:04	01/23/25 23:09	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 23:09	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/25 10:04	01/23/25 23:09	1
Isophorone	10	U	10	0.80	ug/L		01/23/25 10:04	01/23/25 23:09	1
Naphthalene	16		2.0	0.54	ug/L		01/23/25 10:04	01/23/25 23:09	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		01/23/25 10:04	01/23/25 23:09	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		01/23/25 10:04	01/23/25 23:09	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		01/23/25 10:04	01/23/25 23:09	1
Pentachlorophenol	20	U	20	6.6	ug/L		01/23/25 10:04	01/23/25 23:09	1
Phenanthrene	40		10	1.3	ug/L		01/23/25 10:04	01/23/25 23:09	1
Phenol	10	U	10	0.29	ug/L		01/23/25 10:04	01/23/25 23:09	1
Pyrene	3.6	J	10	1.6	ug/L		01/23/25 10:04	01/23/25 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	101		37 - 150	01/23/25 10:04	01/23/25 23:09	1
2-Fluorobiphenyl	99		46 - 139	01/23/25 10:04	01/23/25 23:09	1
2-Fluorophenol (Surr)	61		16 - 80	01/23/25 10:04	01/23/25 23:09	1
Nitrobenzene-d5 (Surr)	101		51 - 145	01/23/25 10:04	01/23/25 23:09	1
Phenol-d5 (Surr)	40		10 - 56	01/23/25 10:04	01/23/25 23:09	1
Terphenyl-d14 (Surr)	24		13 - 159	01/23/25 10:04	01/23/25 23:09	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 09:01	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 09:01	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 09:01	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 09:01	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/23/25 20:22	01/24/25 09:01	1
beta-BHC	0.020	U	0.020	0.015	ug/L		01/23/25 20:22	01/24/25 09:01	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/23/25 20:22	01/24/25 09:01	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 09:01	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 09:01	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 09:01	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 09:01	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 09:01	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 09:01	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 09:01	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 09:01	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/23/25 20:22	01/24/25 09:01	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 09:01	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 09:01	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 09:01	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.50	U	0.50	0.11	ug/L		01/23/25 20:22	01/24/25 09:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		30 - 131				01/23/25 20:22	01/24/25 09:01	1
DCB Decachlorobiphenyl	58		30 - 131				01/23/25 20:22	01/24/25 09:01	1
Tetrachloro-m-xylene	60		34 - 120				01/23/25 20:22	01/24/25 09:01	1
Tetrachloro-m-xylene	64		34 - 120				01/23/25 20:22	01/24/25 09:01	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 14:30	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 14:30	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 14:30	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 14:30	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 14:30	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 14:30	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 14:30	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 14:30	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 14:30	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		18 - 145				01/23/25 20:09	01/24/25 14:30	1
DCB Decachlorobiphenyl	78		18 - 145				01/23/25 20:09	01/24/25 14:30	1
Tetrachloro-m-xylene	80		21 - 124				01/23/25 20:09	01/24/25 14:30	1
Tetrachloro-m-xylene	80		21 - 124				01/23/25 20:09	01/24/25 14:30	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/23/25 19:30	01/24/25 13:10	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/23/25 19:30	01/24/25 13:10	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/23/25 19:30	01/24/25 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	68		10 - 150				01/23/25 19:30	01/24/25 13:10	1
2,4-Dichlorophenylacetic acid	28		10 - 150				01/23/25 19:30	01/24/25 13:10	1

Method: MA DEP MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	4.2		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Pyrene	12	U	12	12	ug/L		01/28/25 21:18	01/29/25 21:31	1
Benzo[g,h,i]perylene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Benzo[b]fluoranthene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Fluoranthene	5.2		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Benzo[k]fluoranthene	3.8	U	3.8	3.8	ug/L		01/28/25 21:18	01/29/25 21:31	1
Acenaphthylene	3.5		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Chrysene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Benzo[a]pyrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Dibenz(a,h)anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Benzo[a]anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Method: MA DEP MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.5		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Phenanthrene	26		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Fluorene	10		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
Naphthalene	16		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
2-Methylnaphthalene	2.9		1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:31	1
C11-C22 Aromatics (unadjusted)	190		38	38	ug/L		01/28/25 21:18	01/29/25 21:31	1
C11-C22 Aromatics (Adjusted)	110		38	38	ug/L		01/28/25 21:18	01/29/25 21:31	1
C19-C36 Aliphatics	48	U	48	48	ug/L		01/28/25 21:18	01/29/25 21:31	1
C9-C18 Aliphatics	29	U	29	29	ug/L		01/28/25 21:18	01/29/25 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane (Surr)	60		40 - 140	01/28/25 21:18	01/29/25 21:31	1
2-Fluorobiphenyl (Surr)	90		40 - 140	01/28/25 21:18	01/29/25 21:31	1
o-terphenyl (Surr)	77		40 - 140	01/28/25 21:18	01/29/25 21:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24.8	J	40.0	11.7	ug/L		01/27/25 10:08	01/27/25 16:26	1
Antimony	2.0	U	2.0	0.48	ug/L		01/27/25 10:08	01/27/25 16:26	1
Arsenic	2.3		2.0	1.2	ug/L		01/27/25 10:08	01/27/25 16:26	1
Barium	51.6		4.0	0.93	ug/L		01/27/25 10:08	01/27/25 16:26	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/27/25 10:08	01/27/25 16:26	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/27/25 10:08	01/27/25 16:26	1
Calcium	196000		500	31.7	ug/L		01/27/25 10:08	01/27/25 16:26	1
Chromium	4.0	U	4.0	1.7	ug/L		01/27/25 10:08	01/27/25 16:26	1
Cobalt	1.4	J	4.0	0.41	ug/L		01/27/25 10:08	01/27/25 16:26	1
Copper	4.0	U	4.0	2.0	ug/L		01/27/25 10:08	01/27/25 16:26	1
Iron	374		120	33.7	ug/L		01/27/25 10:08	01/27/25 16:26	1
Lead	1.2	U	1.2	0.42	ug/L		01/27/25 10:08	01/27/25 16:26	1
Magnesium	24500		200	21.8	ug/L		01/27/25 10:08	01/27/25 16:26	1
Manganese	142		8.0	0.84	ug/L		01/27/25 10:08	01/27/25 16:26	1
Nickel	2.6	J	4.0	1.4	ug/L		01/27/25 10:08	01/27/25 16:26	1
Potassium	28900		200	83.3	ug/L		01/27/25 10:08	01/27/25 16:26	1
Selenium	2.5	U	2.5	0.43	ug/L		01/27/25 10:08	01/27/25 16:26	1
Silver	2.0	U	2.0	1.3	ug/L		01/27/25 10:08	01/27/25 16:26	1
Sodium	198000		500	180	ug/L		01/27/25 10:08	01/27/25 16:26	1
Thallium	0.80	U	0.80	0.19	ug/L		01/27/25 10:08	01/27/25 16:26	1
Vanadium	1.4	J	4.0	1.0	ug/L		01/27/25 10:08	01/27/25 16:26	1
Zinc	16.0	U	16.0	4.2	ug/L		01/27/25 10:08	01/27/25 16:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		01/23/25 11:38	01/23/25 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			01/28/25 16:44	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			01/22/25 22:17	1
Cyanide, Total (SW846 9012B)	579		30.0	12.0	ug/L		01/24/25 17:52	01/24/25 21:21	3

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319158-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/23/25 11:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/23/25 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/23/25 11:34	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/23/25 11:34	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/23/25 11:34	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/23/25 11:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/23/25 11:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/23/25 11:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/23/25 11:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/23/25 11:34	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/23/25 11:34	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/23/25 11:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/23/25 11:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/23/25 11:34	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/23/25 11:34	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/23/25 11:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/23/25 11:34	1
Acetone	5.0	U	5.0	4.4	ug/L			01/23/25 11:34	1
Benzene	1.0	U	1.0	0.20	ug/L			01/23/25 11:34	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/23/25 11:34	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/23/25 11:34	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/23/25 11:34	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/23/25 11:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/23/25 11:34	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/23/25 11:34	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/23/25 11:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/23/25 11:34	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/23/25 11:34	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/23/25 11:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/23/25 11:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 11:34	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/23/25 11:34	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/23/25 11:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/23/25 11:34	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/23/25 11:34	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/23/25 11:34	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/23/25 11:34	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/23/25 11:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/23/25 11:34	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/23/25 11:34	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/23/25 11:34	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/23/25 11:34	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/23/25 11:34	1
Styrene	1.0	U	1.0	0.42	ug/L			01/23/25 11:34	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/23/25 11:34	1
Toluene	1.0	U	1.0	0.38	ug/L			01/23/25 11:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/23/25 11:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 11:34	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/23/25 11:34	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319158-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/23/25 11:34	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/23/25 11:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		70 - 128					01/23/25 11:34	1
4-Bromofluorobenzene	91		76 - 120					01/23/25 11:34	1
Dibromofluoromethane (Surr)	99		77 - 132					01/23/25 11:34	1
Toluene-d8 (Surr)	108		80 - 120					01/23/25 11:34	1

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		01/23/25 10:06	01/24/25 00:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	41		10 - 150				01/23/25 10:06	01/24/25 00:27	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:30	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,4-Dinitrophenol	40	U	40	11	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		01/23/25 10:04	01/23/25 23:30	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		01/23/25 10:04	01/23/25 23:30	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:30	1
2-Chlorophenol	10	U	10	0.95	ug/L		01/23/25 10:04	01/23/25 23:30	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		01/23/25 10:04	01/23/25 23:30	1
2-Methylphenol	10	U	10	0.67	ug/L		01/23/25 10:04	01/23/25 23:30	1
2-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:30	1
2-Nitrophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 23:30	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		01/23/25 10:04	01/23/25 23:30	1
3-Nitroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 23:30	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		01/23/25 10:04	01/23/25 23:30	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 23:30	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 23:30	1
4-Chloroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 23:30	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 23:30	1
4-Methylphenol	10	U	10	0.65	ug/L		01/23/25 10:04	01/23/25 23:30	1
4-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 23:30	1
4-Nitrophenol	20	U	20	4.0	ug/L		01/23/25 10:04	01/23/25 23:30	1
Acenaphthene	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 23:30	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/25 10:04	01/23/25 23:30	1
Acetophenone	10	U	10	2.3	ug/L		01/23/25 10:04	01/23/25 23:30	1
Anthracene	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 23:30	1
Atrazine	2.0	U *	2.0	1.3	ug/L		01/23/25 10:04	01/23/25 23:30	1
Benzaldehyde	10	U *	10	2.1	ug/L		01/23/25 10:04	01/23/25 23:30	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319158-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/25 10:04	01/23/25 23:30	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/23/25 10:04	01/23/25 23:30	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/25 10:04	01/23/25 23:30	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		01/23/25 10:04	01/23/25 23:30	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/25 10:04	01/23/25 23:30	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		01/23/25 10:04	01/23/25 23:30	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		01/23/25 10:04	01/23/25 23:30	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 23:30	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		01/23/25 10:04	01/23/25 23:30	1
Caprolactam	10	U	10	2.2	ug/L		01/23/25 10:04	01/23/25 23:30	1
Carbazole	10	U	10	0.68	ug/L		01/23/25 10:04	01/23/25 23:30	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/25 10:04	01/23/25 23:30	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/25 10:04	01/23/25 23:30	1
Dibenzofuran	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 23:30	1
Diethyl phthalate	10	U	10	0.98	ug/L		01/23/25 10:04	01/23/25 23:30	1
Dimethyl phthalate	10	U	10	0.77	ug/L		01/23/25 10:04	01/23/25 23:30	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		01/23/25 10:04	01/23/25 23:30	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		01/23/25 10:04	01/23/25 23:30	1
Fluoranthene	10	U	10	0.84	ug/L		01/23/25 10:04	01/23/25 23:30	1
Fluorene	10	U	10	0.91	ug/L		01/23/25 10:04	01/23/25 23:30	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		01/23/25 10:04	01/23/25 23:30	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		01/23/25 10:04	01/23/25 23:30	1
Hexachlorocyclopentadiene	10	U *	10	3.6	ug/L		01/23/25 10:04	01/23/25 23:30	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 23:30	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/25 10:04	01/23/25 23:30	1
Isophorone	10	U	10	0.80	ug/L		01/23/25 10:04	01/23/25 23:30	1
Naphthalene	2.0	U	2.0	0.54	ug/L		01/23/25 10:04	01/23/25 23:30	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		01/23/25 10:04	01/23/25 23:30	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		01/23/25 10:04	01/23/25 23:30	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		01/23/25 10:04	01/23/25 23:30	1
Pentachlorophenol	20	U	20	6.6	ug/L		01/23/25 10:04	01/23/25 23:30	1
Phenanthrene	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 23:30	1
Phenol	10	U	10	0.29	ug/L		01/23/25 10:04	01/23/25 23:30	1
Pyrene	10	U	10	1.6	ug/L		01/23/25 10:04	01/23/25 23:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		37 - 150	01/23/25 10:04	01/23/25 23:30	1
2-Fluorobiphenyl	90		46 - 139	01/23/25 10:04	01/23/25 23:30	1
2-Fluorophenol (Surr)	52		16 - 80	01/23/25 10:04	01/23/25 23:30	1
Nitrobenzene-d5 (Surr)	93		51 - 145	01/23/25 10:04	01/23/25 23:30	1
Phenol-d5 (Surr)	34		10 - 56	01/23/25 10:04	01/23/25 23:30	1
Terphenyl-d14 (Surr)	35		13 - 159	01/23/25 10:04	01/23/25 23:30	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 09:14	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 09:14	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 09:14	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 09:14	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/23/25 20:22	01/24/25 09:14	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319158-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.020	U	0.020	0.015	ug/L		01/23/25 20:22	01/24/25 09:14	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/23/25 20:22	01/24/25 09:14	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 09:14	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 09:14	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 09:14	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 09:14	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 09:14	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 09:14	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 09:14	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 09:14	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/23/25 20:22	01/24/25 09:14	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 09:14	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 09:14	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 09:14	1
Toxaphene	0.50	U	0.50	0.11	ug/L		01/23/25 20:22	01/24/25 09:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		30 - 131	01/23/25 20:22	01/24/25 09:14	1
DCB Decachlorobiphenyl	58		30 - 131	01/23/25 20:22	01/24/25 09:14	1
Tetrachloro-m-xylene	71		34 - 120	01/23/25 20:22	01/24/25 09:14	1
Tetrachloro-m-xylene	69		34 - 120	01/23/25 20:22	01/24/25 09:14	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 10:19	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 10:19	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 10:19	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 10:19	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 10:19	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 10:19	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 10:19	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 10:19	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 10:19	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 10:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		18 - 145	01/23/25 20:09	01/24/25 10:19	1
DCB Decachlorobiphenyl	58		18 - 145	01/23/25 20:09	01/24/25 10:19	1
Tetrachloro-m-xylene	73		21 - 124	01/23/25 20:09	01/24/25 10:19	1
Tetrachloro-m-xylene	65		21 - 124	01/23/25 20:09	01/24/25 10:19	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/23/25 19:30	01/24/25 13:29	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/23/25 19:30	01/24/25 13:29	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/23/25 19:30	01/24/25 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	33		10 - 150	01/23/25 19:30	01/24/25 13:29	1
2,4-Dichlorophenylacetic acid	29		10 - 150	01/23/25 19:30	01/24/25 13:29	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319158-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: MA DEP MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Pyrene	11	U	11	11	ug/L		01/28/25 21:18	01/29/25 21:54	1
Benzo[g,h,i]perylene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Benzo[b]fluoranthene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Fluoranthene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Benzo[k]fluoranthene	3.8	U	3.8	3.8	ug/L		01/28/25 21:18	01/29/25 21:54	1
Acenaphthylene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Chrysene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Benzo[a]pyrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Dibenz(a,h)anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Benzo[a]anthracene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Acenaphthene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Phenanthrene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Fluorene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
Naphthalene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
2-Methylnaphthalene	1.9	U	1.9	1.9	ug/L		01/28/25 21:18	01/29/25 21:54	1
C11-C22 Aromatics (unadjusted)	38	U	38	38	ug/L		01/28/25 21:18	01/29/25 21:54	1
C11-C22 Aromatics (Adjusted)	38	U	38	38	ug/L		01/28/25 21:18	01/29/25 21:54	1
C19-C36 Aliphatics	47	U	47	47	ug/L		01/28/25 21:18	01/29/25 21:54	1
C9-C18 Aliphatics	28	U	28	28	ug/L		01/28/25 21:18	01/29/25 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane (Surr)	56		40 - 140	01/28/25 21:18	01/29/25 21:54	1
2-Fluorobiphenyl (Surr)	85		40 - 140	01/28/25 21:18	01/29/25 21:54	1
o-terphenyl (Surr)	65		40 - 140	01/28/25 21:18	01/29/25 21:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		01/27/25 10:08	01/27/25 15:53	1
Antimony	2.0	U	2.0	0.48	ug/L		01/27/25 10:08	01/27/25 15:53	1
Arsenic	2.0	U	2.0	1.2	ug/L		01/27/25 10:08	01/27/25 15:53	1
Barium	4.0	U	4.0	0.93	ug/L		01/27/25 10:08	01/27/25 15:53	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/27/25 10:08	01/27/25 15:53	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/27/25 10:08	01/27/25 15:53	1
Calcium	34.0	J	500	31.7	ug/L		01/27/25 10:08	01/27/25 15:53	1
Chromium	4.0	U	4.0	1.7	ug/L		01/27/25 10:08	01/27/25 15:53	1
Cobalt	4.0	U	4.0	0.41	ug/L		01/27/25 10:08	01/27/25 15:53	1
Copper	4.0	U	4.0	2.0	ug/L		01/27/25 10:08	01/27/25 15:53	1
Iron	120	U	120	33.7	ug/L		01/27/25 10:08	01/27/25 15:53	1
Lead	1.2	U	1.2	0.42	ug/L		01/27/25 10:08	01/27/25 15:53	1
Magnesium	200	U	200	21.8	ug/L		01/27/25 10:08	01/27/25 15:53	1
Manganese	8.0	U	8.0	0.84	ug/L		01/27/25 10:08	01/27/25 15:53	1
Nickel	4.0	U	4.0	1.4	ug/L		01/27/25 10:08	01/27/25 15:53	1
Potassium	200	U	200	83.3	ug/L		01/27/25 10:08	01/27/25 15:53	1
Selenium	2.5	U	2.5	0.43	ug/L		01/27/25 10:08	01/27/25 15:53	1
Silver	2.0	U	2.0	1.3	ug/L		01/27/25 10:08	01/27/25 15:53	1
Sodium	500	U	500	180	ug/L		01/27/25 10:08	01/27/25 15:53	1
Thallium	0.80	U	0.80	0.19	ug/L		01/27/25 10:08	01/27/25 15:53	1
Vanadium	4.0	U	4.0	1.0	ug/L		01/27/25 10:08	01/27/25 15:53	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319158-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	16.0	U	16.0	4.2	ug/L		01/27/25 10:08	01/27/25 15:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		01/23/25 11:38	01/23/25 15:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	10.0	U	10.0	10.0	ug/L			01/28/25 16:44	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			01/22/25 22:17	1
Cyanide, Total (SW846 9012B)	8.1	J	10.0	4.0	ug/L		01/24/25 17:52	01/24/25 21:09	1

Client Sample ID: TB-01_20250122

Lab Sample ID: 460-319158-5

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/23/25 11:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/23/25 11:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/23/25 11:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/23/25 11:56	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/23/25 11:56	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/23/25 11:56	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/23/25 11:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/23/25 11:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/23/25 11:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/23/25 11:56	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/23/25 11:56	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/23/25 11:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/23/25 11:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/23/25 11:56	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/23/25 11:56	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/23/25 11:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/23/25 11:56	1
Acetone	5.0	U	5.0	4.4	ug/L			01/23/25 11:56	1
Benzene	1.0	U	1.0	0.20	ug/L			01/23/25 11:56	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/23/25 11:56	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/23/25 11:56	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/23/25 11:56	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/23/25 11:56	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/23/25 11:56	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/23/25 11:56	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/23/25 11:56	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/23/25 11:56	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/23/25 11:56	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/23/25 11:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/23/25 11:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 11:56	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/23/25 11:56	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: TB-01_20250122

Lab Sample ID: 460-319158-5

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/23/25 11:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/23/25 11:56	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/23/25 11:56	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/23/25 11:56	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/23/25 11:56	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			01/23/25 11:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/23/25 11:56	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/23/25 11:56	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/23/25 11:56	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/23/25 11:56	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/23/25 11:56	1
Styrene	1.0	U	1.0	0.42	ug/L			01/23/25 11:56	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/23/25 11:56	1
Toluene	1.0	U	1.0	0.38	ug/L			01/23/25 11:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/23/25 11:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 11:56	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/23/25 11:56	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/23/25 11:56	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/23/25 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		70 - 128		01/23/25 11:56	1
4-Bromofluorobenzene	88		76 - 120		01/23/25 11:56	1
Dibromofluoromethane (Surr)	95		77 - 132		01/23/25 11:56	1
Toluene-d8 (Surr)	108		80 - 120		01/23/25 11:56	1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/30/25 03:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/30/25 03:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/30/25 03:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/30/25 03:44	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/30/25 03:44	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/30/25 03:44	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/30/25 03:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/30/25 03:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/30/25 03:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/30/25 03:44	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/30/25 03:44	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/30/25 03:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/30/25 03:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/30/25 03:44	1
2-Butanone (MEK)	35		5.0	1.9	ug/L			01/30/25 03:44	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/30/25 03:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/30/25 03:44	1
Acetone	340		5.0	4.4	ug/L			01/30/25 03:44	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.20	ug/L			01/30/25 03:44	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/30/25 03:44	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/30/25 03:44	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/30/25 03:44	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/30/25 03:44	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/30/25 03:44	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/30/25 03:44	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/30/25 03:44	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/30/25 03:44	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/30/25 03:44	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/30/25 03:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/30/25 03:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/30/25 03:44	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/30/25 03:44	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/30/25 03:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/30/25 03:44	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/30/25 03:44	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/30/25 03:44	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/30/25 03:44	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			01/30/25 03:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/30/25 03:44	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/30/25 03:44	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/30/25 03:44	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/30/25 03:44	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/30/25 03:44	1
Styrene	1.0	U	1.0	0.42	ug/L			01/30/25 03:44	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/30/25 03:44	1
Toluene	1.0	U	1.0	0.38	ug/L			01/30/25 03:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/30/25 03:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/30/25 03:44	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/30/25 03:44	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/30/25 03:44	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/30/25 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 128		01/30/25 03:44	1
4-Bromofluorobenzene	105		76 - 120		01/30/25 03:44	1
Dibromofluoromethane (Surr)	102		77 - 132		01/30/25 03:44	1
Toluene-d8 (Surr)	97		80 - 120		01/30/25 03:44	1

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		01/28/25 08:20	01/28/25 23:37	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	35		10 - 150				01/28/25 08:20	01/28/25 23:37	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		01/28/25 10:04	01/28/25 16:34	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		01/28/25 10:04	01/28/25 16:34	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		01/28/25 10:04	01/28/25 16:34	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		01/28/25 10:04	01/28/25 16:34	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		01/28/25 10:04	01/28/25 16:34	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		01/28/25 10:04	01/28/25 16:34	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		01/28/25 10:04	01/28/25 16:34	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		01/28/25 10:04	01/28/25 16:34	1
2,4-Dinitrophenol	40	U	40	11	ug/L		01/28/25 10:04	01/28/25 16:34	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		01/28/25 10:04	01/28/25 16:34	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		01/28/25 10:04	01/28/25 16:34	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		01/28/25 10:04	01/28/25 16:34	1
2-Chlorophenol	10	U	10	0.95	ug/L		01/28/25 10:04	01/28/25 16:34	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		01/28/25 10:04	01/28/25 16:34	1
2-Methylphenol	10	U	10	0.67	ug/L		01/28/25 10:04	01/28/25 16:34	1
2-Nitroaniline	10	U	10	1.2	ug/L		01/28/25 10:04	01/28/25 16:34	1
2-Nitrophenol	10	U	10	0.75	ug/L		01/28/25 10:04	01/28/25 16:34	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		01/28/25 10:04	01/28/25 16:34	1
3-Nitroaniline	10	U	10	1.9	ug/L		01/28/25 10:04	01/28/25 16:34	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		01/28/25 10:04	01/28/25 16:34	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		01/28/25 10:04	01/28/25 16:34	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		01/28/25 10:04	01/28/25 16:34	1
4-Chloroaniline	10	U	10	1.9	ug/L		01/28/25 10:04	01/28/25 16:34	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		01/28/25 10:04	01/28/25 16:34	1
4-Methylphenol	10	U	10	0.65	ug/L		01/28/25 10:04	01/28/25 16:34	1
4-Nitroaniline	10	U	10	1.2	ug/L		01/28/25 10:04	01/28/25 16:34	1
4-Nitrophenol	20	U	20	4.0	ug/L		01/28/25 10:04	01/28/25 16:34	1
Acenaphthene	10	U	10	1.1	ug/L		01/28/25 10:04	01/28/25 16:34	1
Acenaphthylene	10	U	10	0.82	ug/L		01/28/25 10:04	01/28/25 16:34	1
Acetophenone	10	U	10	2.3	ug/L		01/28/25 10:04	01/28/25 16:34	1
Anthracene	10	U	10	1.3	ug/L		01/28/25 10:04	01/28/25 16:34	1
Atrazine	2.0	U *	2.0	1.3	ug/L		01/28/25 10:04	01/28/25 16:34	1
Benzaldehyde	10	U	10	2.1	ug/L		01/28/25 10:04	01/28/25 16:34	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/28/25 10:04	01/28/25 16:34	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/28/25 10:04	01/28/25 16:34	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/28/25 10:04	01/28/25 16:34	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		01/28/25 10:04	01/28/25 16:34	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/28/25 10:04	01/28/25 16:34	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		01/28/25 10:04	01/28/25 16:34	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		01/28/25 10:04	01/28/25 16:34	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		01/28/25 10:04	01/28/25 16:34	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		01/28/25 10:04	01/28/25 16:34	1
Caprolactam	12		10	2.2	ug/L		01/28/25 10:04	01/28/25 16:34	1
Carbazole	10	U	10	0.68	ug/L		01/28/25 10:04	01/28/25 16:34	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/28/25 10:04	01/28/25 16:34	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/28/25 10:04	01/28/25 16:34	1
Dibenzofuran	10	U	10	1.1	ug/L		01/28/25 10:04	01/28/25 16:34	1
Diethyl phthalate	10	U	10	0.98	ug/L		01/28/25 10:04	01/28/25 16:34	1
Dimethyl phthalate	10	U	10	0.77	ug/L		01/28/25 10:04	01/28/25 16:34	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		01/28/25 10:04	01/28/25 16:34	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		01/28/25 10:04	01/28/25 16:34	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	10	U	10	0.84	ug/L		01/28/25 10:04	01/28/25 16:34	1
Fluorene	10	U	10	0.91	ug/L		01/28/25 10:04	01/28/25 16:34	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		01/28/25 10:04	01/28/25 16:34	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		01/28/25 10:04	01/28/25 16:34	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		01/28/25 10:04	01/28/25 16:34	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		01/28/25 10:04	01/28/25 16:34	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/28/25 10:04	01/28/25 16:34	1
Isophorone	10	U	10	0.80	ug/L		01/28/25 10:04	01/28/25 16:34	1
Naphthalene	2.0	U	2.0	0.54	ug/L		01/28/25 10:04	01/28/25 16:34	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		01/28/25 10:04	01/28/25 16:34	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		01/28/25 10:04	01/28/25 16:34	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		01/28/25 10:04	01/28/25 16:34	1
Pentachlorophenol	20	U	20	6.6	ug/L		01/28/25 10:04	01/28/25 16:34	1
Phenanthrene	10	U	10	1.3	ug/L		01/28/25 10:04	01/28/25 16:34	1
Phenol	2.5	J	10	0.29	ug/L		01/28/25 10:04	01/28/25 16:34	1
Pyrene	10	U	10	1.6	ug/L		01/28/25 10:04	01/28/25 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		37 - 150	01/28/25 10:04	01/28/25 16:34	1
2-Fluorobiphenyl	73		46 - 139	01/28/25 10:04	01/28/25 16:34	1
2-Fluorophenol (Surr)	43		16 - 80	01/28/25 10:04	01/28/25 16:34	1
Nitrobenzene-d5 (Surr)	81		51 - 145	01/28/25 10:04	01/28/25 16:34	1
Phenol-d5 (Surr)	36		10 - 56	01/28/25 10:04	01/28/25 16:34	1
Terphenyl-d14 (Surr)	30		13 - 159	01/28/25 10:04	01/28/25 16:34	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	520		100	28	ug/L		01/31/25 13:17	01/31/25 14:58	1
ORO (C28-C44)	100	U	100	31	ug/L		01/31/25 13:17	01/31/25 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		15 - 150	01/31/25 13:17	01/31/25 14:58	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/28/25 08:51	01/28/25 21:49	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/28/25 08:51	01/28/25 21:49	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/28/25 08:51	01/28/25 21:49	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/28/25 08:51	01/28/25 21:49	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/28/25 08:51	01/28/25 21:49	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/28/25 08:51	01/28/25 21:49	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/28/25 08:51	01/28/25 21:49	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/28/25 08:51	01/28/25 21:49	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/28/25 08:51	01/28/25 21:49	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/28/25 08:51	01/28/25 21:49	1
beta-BHC	0.020	U	0.020	0.015	ug/L		01/28/25 08:51	01/28/25 21:49	1
beta-BHC	0.020	U	0.020	0.015	ug/L		01/28/25 08:51	01/28/25 21:49	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/28/25 08:51	01/28/25 21:49	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/28/25 08:51	01/28/25 21:49	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/28/25 08:51	01/28/25 21:49	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/28/25 08:51	01/28/25 21:49	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/28/25 08:51	01/28/25 21:49	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/28/25 08:51	01/28/25 21:49	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/28/25 08:51	01/28/25 21:49	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/28/25 08:51	01/28/25 21:49	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/28/25 08:51	01/28/25 21:49	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/28/25 08:51	01/28/25 21:49	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/28/25 08:51	01/28/25 21:49	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/28/25 08:51	01/28/25 21:49	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/28/25 08:51	01/28/25 21:49	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/28/25 08:51	01/28/25 21:49	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/28/25 08:51	01/28/25 21:49	1
Toxaphene	0.50	U	0.50	0.11	ug/L		01/28/25 08:51	01/28/25 21:49	1
Toxaphene	0.50	U	0.50	0.11	ug/L		01/28/25 08:51	01/28/25 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	110		30 - 131	01/28/25 08:51	01/28/25 21:49	1
DCB Decachlorobiphenyl	84		30 - 131	01/28/25 08:51	01/28/25 21:49	1
Tetrachloro-m-xylene	102		34 - 120	01/28/25 08:51	01/28/25 21:49	1
Tetrachloro-m-xylene	94		34 - 120	01/28/25 08:51	01/28/25 21:49	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 19:09	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 19:09	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 19:09	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 19:09	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 19:09	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 19:09	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 19:09	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 19:09	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 19:09	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		18 - 145	01/28/25 08:42	01/28/25 19:09	1
DCB Decachlorobiphenyl	58		18 - 145	01/28/25 08:42	01/28/25 19:09	1
Tetrachloro-m-xylene	81		21 - 124	01/28/25 08:42	01/28/25 19:09	1
Tetrachloro-m-xylene	76		21 - 124	01/28/25 08:42	01/28/25 19:09	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/28/25 08:56	01/28/25 15:51	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/28/25 08:56	01/28/25 15:51	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/28/25 08:56	01/28/25 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	181	*	10 - 150	01/28/25 08:56	01/28/25 15:51	1
2,4-Dichlorophenylacetic acid	130		10 - 150	01/28/25 08:56	01/28/25 15:51	1

Method: MA DEP MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Pyrene	11	U	11	11	ug/L		01/30/25 09:03	02/04/25 20:27	1
Benzo[g,h,i]perylene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Indeno[1,2,3-cd]pyrene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Benzo[b]fluoranthene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Fluoranthene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Benzo[k]fluoranthene	3.8	U	3.8	3.8	ug/L		01/30/25 09:03	02/04/25 20:27	1
Acenaphthylene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Chrysene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Benzo[a]pyrene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Dibenz(a,h)anthracene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Benzo[a]anthracene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Acenaphthene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Phenanthrene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Fluorene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
Naphthalene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
2-Methylnaphthalene	1.9	U	1.9	1.9	ug/L		01/30/25 09:03	02/04/25 20:27	1
C11-C22 Aromatics (unadjusted)	38	U	38	38	ug/L		01/30/25 09:03	02/04/25 20:27	1
C11-C22 Aromatics (Adjusted)	38	U	38	38	ug/L		01/30/25 09:03	02/04/25 20:27	1
C19-C36 Aliphatics	47	U	47	47	ug/L		01/30/25 09:03	02/03/25 20:28	1
C9-C18 Aliphatics	28	U	28	28	ug/L		01/30/25 09:03	02/03/25 20:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane (Surr)	61		40 - 140	01/30/25 09:03	02/03/25 20:28	1
2-Fluorobiphenyl (Surr)	90		40 - 140	01/30/25 09:03	02/04/25 20:27	1
o-terphenyl (Surr)	73		40 - 140	01/30/25 09:03	02/04/25 20:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1210	B	40.0	11.7	ug/L		01/30/25 10:24	01/30/25 23:34	1
Antimony	2.0	U	2.0	0.48	ug/L		01/30/25 10:24	01/30/25 23:34	1
Arsenic	6.5		2.0	1.2	ug/L		01/30/25 10:24	01/30/25 23:34	1
Barium	48.3		4.0	0.93	ug/L		01/30/25 10:24	01/30/25 23:34	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/30/25 10:24	01/30/25 23:34	1
Cadmium	1.1	J	2.0	0.38	ug/L		01/30/25 10:24	01/30/25 23:34	1
Calcium	254000		500	31.7	ug/L		01/30/25 10:24	01/30/25 23:34	1
Chromium	40.9		4.0	1.7	ug/L		01/30/25 10:24	01/30/25 23:34	1
Cobalt	28.8		4.0	0.41	ug/L		01/30/25 10:24	01/30/25 23:34	1
Copper	32.4		4.0	2.0	ug/L		01/30/25 10:24	01/30/25 23:34	1
Iron	66300		120	33.7	ug/L		01/30/25 10:24	01/30/25 23:34	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	34.5		1.2	0.42	ug/L		01/30/25 10:24	01/30/25 23:34	1
Magnesium	47600		200	21.8	ug/L		01/30/25 10:24	01/30/25 23:34	1
Manganese	1990		8.0	0.84	ug/L		01/30/25 10:24	01/30/25 23:34	1
Nickel	33.5		4.0	1.4	ug/L		01/30/25 10:24	01/30/25 23:34	1
Potassium	31500		200	83.3	ug/L		01/30/25 10:24	01/30/25 23:34	1
Selenium	2.5	U	2.5	0.43	ug/L		01/30/25 10:24	01/30/25 23:34	1
Silver	2.0	U	2.0	1.3	ug/L		01/30/25 10:24	01/30/25 23:34	1
Sodium	356000		500	180	ug/L		01/30/25 10:24	01/30/25 23:34	1
Thallium	0.80	U	0.80	0.19	ug/L		01/30/25 10:24	01/30/25 23:34	1
Vanadium	4.6		4.0	1.0	ug/L		01/30/25 10:24	01/30/25 23:34	1
Zinc	81.8		16.0	4.2	ug/L		01/30/25 10:24	01/30/25 23:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	J	0.20	0.091	ug/L		01/29/25 11:25	01/29/25 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (SW846 7196A)	40.9		10.0	10.0	ug/L			01/29/25 05:05	1
Cr (VI) (SW846 7196A)	10.0	U	10.0	8.1	ug/L			01/28/25 09:10	1
Cyanide, Total (SW846 9012B)	146		10.0	4.0	ug/L		01/30/25 09:24	01/30/25 12:50	1

Surrogate Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-128)	BFB (76-120)	DBFM (77-132)	TOL (80-120)
460-319158-1	MW-02_20250122	125	91	101	110
460-319158-2	MW-01_20250122	110	90	93	108
460-319158-2 MS	MW-01_20250122	117	93	96	105
460-319158-2 MSD	MW-01_20250122	120	100	98	113
460-319158-3	MW-0X_20250122	116	92	94	113
460-319158-4	FB-01_20250122	123	91	99	108
460-319158-5	TB-01_20250122	125	88	95	108
460-319369-1	MW-03_20250127	111	105	102	97
LCS 460-1017719/4	Lab Control Sample	115	96	92	106
LCS 460-1018632/4	Lab Control Sample	106	111	94	98
LCSD 460-1017719/5	Lab Control Sample Dup	111	93	91	103
LCSD 460-1018632/5	Lab Control Sample Dup	101	111	97	101
MB 460-1017719/8	Method Blank	118	88	97	100
MB 460-1018632/9	Method Blank	108	110	97	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (37-150)	FBP (46-139)	2FP (16-80)	NBZ (51-145)	PHL (10-56)	TPHL (13-159)
460-319158-1	MW-02_20250122	97	98	62	101	42	24
460-319158-2	MW-01_20250122	98	99	59	100	38	21
460-319158-2 MS	MW-01_20250122	105	106	61	106	41	51
460-319158-2 MSD	MW-01_20250122	97	99	53	103	34	41
460-319158-3	MW-0X_20250122	101	99	61	101	40	24
460-319158-4	FB-01_20250122	87	90	52	93	34	35
460-319369-1	MW-03_20250127	90	73	43	81	36	30
LCS 460-1017771/2-A	Lab Control Sample	111	111	54	110	36	84
LCS 460-1018383/2-A	Lab Control Sample	95	80	44	84	31	65
LCSD 460-1017771/3-A	Lab Control Sample Dup	97	96	55	96	38	70
LCSD 460-1018383/3-A	Lab Control Sample Dup	114	98	54	102	37	78
MB 460-1017771/1-A	Method Blank	88	89	54	91	36	30
MB 460-1018383/1-A	Method Blank	96	89	46	97	29	85

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Eurofins Edison

Surrogate Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTPH (15-150)
460-319369-1	MW-03_20250127	64
LCS 460-1018883/2-A	Lab Control Sample	69
LCSD 460-1018883/3-A	Lab Control Sample Dup	87
MB 460-1018883/1-A	Method Blank	62
Surrogate Legend		
OTPH = o-Terphenyl		

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCBP1 (30-131)	DCBP2 (30-131)	TCX1 (34-120)	TCX2 (34-120)
460-319158-1	MW-02_20250122	51	59	66	78
460-319158-2	MW-01_20250122	54	57	63	62
460-319158-2 MS	MW-01_20250122	69	71	79	74
460-319158-2 MSD	MW-01_20250122	71	72	78	74
460-319158-3	MW-0X_20250122	58	60	64	60
460-319158-4	FB-01_20250122	58	62	69	71
460-319369-1	MW-03_20250127	84	110	94	102
LCS 460-1017868/2-A	Lab Control Sample	55	53	82	72
LCS 460-1018372/2-A	Lab Control Sample	86	103	89	92
LCSD 460-1017868/3-A	Lab Control Sample Dup	55	55	82	74
LCSD 460-1018372/3-A	Lab Control Sample Dup	88	104	90	94
MB 460-1017868/1-A	Method Blank	55	58	75	76
MB 460-1018372/1-A	Method Blank	89	108	95	101
Surrogate Legend					
DCBP = DCB Decachlorobiphenyl					
TCX = Tetrachloro-m-xylene					

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCBP1 (18-145)	DCBP2 (18-145)	TCX1 (21-124)	TCX2 (21-124)
460-319158-1	MW-02_20250122	68	59	75	67
460-319158-2	MW-01_20250122	66	61	74	71
460-319158-2 MS	MW-01_20250122	70	78	81	79
460-319158-2 MSD	MW-01_20250122	70	72	81	79
460-319158-3	MW-0X_20250122	78	81	80	80
460-319158-4	FB-01_20250122	58	63	65	73
460-319369-1	MW-03_20250127	58	69	76	81
LCS 460-1017866/2-A	Lab Control Sample	72	63	87	78
LCS 460-1018366/2-A	Lab Control Sample	85	78	94	93
LCSD 460-1017866/3-A	Lab Control Sample Dup	66	63	80	81
LCSD 460-1018366/3-A	Lab Control Sample Dup	91	84	102	100
MB 460-1017866/1-A	Method Blank	64	62	78	81
MB 460-1018366/1-A	Method Blank	83	76	90	92

Eurofins Edison

Surrogate Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (10-150)	DCPAA2 (10-150)
460-319158-1	MW-02_20250122	54	77
460-319158-2	MW-01_20250122	26	593 *
460-319158-2 MS	MW-01_20250122	33	611 *
460-319158-2 MSD	MW-01_20250122	79	835 *
460-319158-3	MW-0X_20250122	28	68
460-319158-4	FB-01_20250122	29	33
460-319369-1	MW-03_20250127	130	181 *
LB 460-1018130/1-E	Method Blank	102	119
LCS 460-1017861/2-A	Lab Control Sample	41	51
LCS 460-1018283/2-A	Lab Control Sample	68	84
LCSD 460-1017861/3-A	Lab Control Sample Dup	51	57
LCSD 460-1018283/3-A	Lab Control Sample Dup	75	84
MB 460-1017861/1-A	Method Blank	42	48
MB 460-1018283/1-A	Method Blank	45	55

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: TCLP

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (10-150)	DCPAA2 (10-150)
460-319129-A-1-H MS	Matrix Spike	100	126

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	FBP1 (40-140)	OTP1 (40-140)
460-319158-1	MW-02_20250122	89	79
460-319158-2	MW-01_20250122	94	71
460-319158-2 MS	MW-01_20250122	89	64
460-319158-2 MSD	MW-01_20250122	88	55
460-319158-3	MW-0X_20250122	90	77
460-319158-4	FB-01_20250122	85	65
460-319369-1	MW-03_20250127	90	73
LCS 410-600140/2-C	Lab Control Sample	89	74
LCS 410-600679/2-C	Lab Control Sample	95	75
LCSD 410-600140/3-C	Lab Control Sample Dup	88	69
LCSD 410-600679/3-C	Lab Control Sample Dup	90	74
MB 410-600140/1-C	Method Blank	94	78
MB 410-600679/1-C	Method Blank	114	57

Eurofins Edison

Surrogate Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

OTP = o- terphenyl (Surr)

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1COD1 (40-140)
460-319158-1	MW-02_20250122	57
460-319158-2	MW-01_20250122	60
460-319158-2 MS	MW-01_20250122	49
460-319158-2 MSD	MW-01_20250122	40
460-319158-3	MW-0X_20250122	60
460-319158-4	FB-01_20250122	56
460-319369-1	MW-03_20250127	61
LCS 410-600140/2-B	Lab Control Sample	51
LCS 410-600679/2-B	Lab Control Sample	56
LCSD 410-600140/3-B	Lab Control Sample Dup	54
LCSD 410-600679/3-B	Lab Control Sample Dup	52
MB 410-600140/1-B	Method Blank	70
MB 410-600679/1-B	Method Blank	63

Surrogate Legend

1COD = 1-Chlorooctadecane (Surr)

Isotope Dilution Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DXE (10-150)
460-319158-1	MW-02_20250122	44
460-319158-2	MW-01_20250122	39
460-319158-2 MS	MW-01_20250122	35
460-319158-2 MSD	MW-01_20250122	40
460-319158-3	MW-0X_20250122	44
460-319158-4	FB-01_20250122	41
460-319369-1	MW-03_20250127	35
LCS 460-1017773/2-A	Lab Control Sample	37
LCS 460-1018363/2-A	Lab Control Sample	36
LCSD 460-1017773/3-A	Lab Control Sample Dup	43
LCSD 460-1018363/3-A	Lab Control Sample Dup	27
MB 460-1017773/1-A	Method Blank	41
MB 460-1018363/1-A	Method Blank	38

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1017719/8

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/23/25 08:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/23/25 08:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/23/25 08:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/23/25 08:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/23/25 08:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/23/25 08:36	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/23/25 08:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/23/25 08:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/23/25 08:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/23/25 08:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/23/25 08:36	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/23/25 08:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/23/25 08:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/23/25 08:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/23/25 08:36	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/23/25 08:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/23/25 08:36	1
Acetone	5.0	U	5.0	4.4	ug/L			01/23/25 08:36	1
Benzene	1.0	U	1.0	0.20	ug/L			01/23/25 08:36	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/23/25 08:36	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/23/25 08:36	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/23/25 08:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/23/25 08:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/23/25 08:36	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/23/25 08:36	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/23/25 08:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/23/25 08:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/23/25 08:36	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/23/25 08:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/23/25 08:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 08:36	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/23/25 08:36	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/23/25 08:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/23/25 08:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/23/25 08:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/23/25 08:36	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/23/25 08:36	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			01/23/25 08:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/23/25 08:36	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/23/25 08:36	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/23/25 08:36	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/23/25 08:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/23/25 08:36	1
Styrene	1.0	U	1.0	0.42	ug/L			01/23/25 08:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/23/25 08:36	1
Toluene	1.0	U	1.0	0.38	ug/L			01/23/25 08:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/23/25 08:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/23/25 08:36	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1017719/8

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/23/25 08:36	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/23/25 08:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/23/25 08:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		70 - 128					01/23/25 08:36	1
4-Bromofluorobenzene	88		76 - 120					01/23/25 08:36	1
Dibromofluoromethane (Surr)	97		77 - 132					01/23/25 08:36	1
Toluene-d8 (Surr)	100		80 - 120					01/23/25 08:36	1

Lab Sample ID: LCS 460-1017719/4

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.0		ug/L		90	72 - 128
1,1,2,2-Tetrachloroethane	20.0	24.3		ug/L		122	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.3		ug/L		92	65 - 142
1,1,2-Trichloroethane	20.0	22.5		ug/L		113	74 - 125
1,1-Dichloroethane	20.0	21.6		ug/L		108	73 - 130
1,1-Dichloroethene	20.0	17.1		ug/L		85	68 - 133
1,2,3-Trichlorobenzene	20.0	22.9		ug/L		114	55 - 150
1,2,4-Trichlorobenzene	20.0	21.2		ug/L		106	67 - 132
1,2-Dibromo-3-Chloropropane	20.0	20.7		ug/L		103	58 - 132
1,2-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
1,2-Dichloroethane	20.0	22.6		ug/L		113	66 - 129
1,2-Dichloropropane	20.0	22.8		ug/L		114	72 - 128
1,3-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
1,4-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
2-Butanone (MEK)	100	69.4		ug/L		69	65 - 142
2-Hexanone	100	114		ug/L		114	72 - 134
4-Methyl-2-pentanone (MIBK)	100	110		ug/L		110	77 - 130
Acetone	100	93.6		ug/L		94	60 - 133
Benzene	20.0	21.7		ug/L		108	71 - 126
Bromoform	20.0	19.3		ug/L		97	58 - 128
Bromomethane	20.0	17.4		ug/L		87	33 - 150
Carbon disulfide	20.0	19.0		ug/L		95	35 - 150
Carbon tetrachloride	20.0	17.3		ug/L		86	65 - 131
Chlorobenzene	20.0	18.8		ug/L		94	80 - 120
Chlorobromomethane	20.0	16.8		ug/L		84	71 - 134
Chlorodibromomethane	20.0	19.5		ug/L		97	73 - 121
Chloroethane	20.0	20.5		ug/L		103	54 - 150
Chloroform	20.0	19.2		ug/L		96	78 - 125
Chloromethane	20.0	24.3		ug/L		121	43 - 149
cis-1,2-Dichloroethene	20.0	17.1		ug/L		86	78 - 121
cis-1,3-Dichloropropene	20.0	21.7		ug/L		108	74 - 125
Cyclohexane	20.0	18.8		ug/L		94	64 - 142
Dichlorobromomethane	20.0	18.7		ug/L		94	76 - 121

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1017719/4

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	20.0	18.3		ug/L		91	38 - 144
Ethylbenzene	20.0	18.9		ug/L		94	78 - 120
Ethylene Dibromide	20.0	21.2		ug/L		106	79 - 126
Isopropylbenzene	20.0	19.3		ug/L		97	79 - 125
Methyl acetate	40.0	63.3	*	ug/L		158	50 - 147
Methyl tert-butyl ether	20.0	21.0		ug/L		105	72 - 131
Methylcyclohexane	20.0	19.5		ug/L		98	63 - 138
Methylene Chloride	20.0	18.1		ug/L		90	74 - 127
m-Xylene & p-Xylene	20.0	18.4		ug/L		92	78 - 120
o-Xylene	20.0	19.3		ug/L		97	78 - 120
Styrene	20.0	18.6		ug/L		93	82 - 127
Tetrachloroethene	20.0	17.2		ug/L		86	70 - 127
Toluene	20.0	19.8		ug/L		99	78 - 120
trans-1,2-Dichloroethene	20.0	17.2		ug/L		86	70 - 126
trans-1,3-Dichloropropene	20.0	21.4		ug/L		107	71 - 127
Trichloroethene	20.0	17.5		ug/L		88	73 - 121
Trichlorofluoromethane	20.0	19.6		ug/L		98	62 - 134
Vinyl chloride	20.0	22.1		ug/L		111	55 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 128
4-Bromofluorobenzene	96		76 - 120
Dibromofluoromethane (Surr)	92		77 - 132
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: LCSD 460-1017719/5

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	17.8		ug/L		89	72 - 128	1	30
1,1,2,2-Tetrachloroethane	20.0	24.6		ug/L		123	63 - 139	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.5		ug/L		92	65 - 142	1	30
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	74 - 125	7	30
1,1-Dichloroethane	20.0	21.6		ug/L		108	73 - 130	0	30
1,1-Dichloroethene	20.0	17.3		ug/L		87	68 - 133	2	30
1,2,3-Trichlorobenzene	20.0	24.0		ug/L		120	55 - 150	5	30
1,2,4-Trichlorobenzene	20.0	21.9		ug/L		109	67 - 132	3	30
1,2-Dibromo-3-Chloropropane	20.0	20.4		ug/L		102	58 - 132	1	30
1,2-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 120	2	30
1,2-Dichloroethane	20.0	21.1		ug/L		106	66 - 129	7	30
1,2-Dichloropropane	20.0	22.3		ug/L		111	72 - 128	2	30
1,3-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120	1	30
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120	2	30
2-Butanone (MEK)	100	68.4		ug/L		68	65 - 142	1	30
2-Hexanone	100	112		ug/L		112	72 - 134	2	30
4-Methyl-2-pentanone (MIBK)	100	106		ug/L		106	77 - 130	4	30
Acetone	100	90.3		ug/L		90	60 - 133	4	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1017719/5

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	20.0	21.5		ug/L		108	71 - 126	1	30
Bromoform	20.0	18.5		ug/L		93	58 - 128	4	30
Bromomethane	20.0	18.5		ug/L		93	33 - 150	6	30
Carbon disulfide	20.0	18.6		ug/L		93	35 - 150	2	30
Carbon tetrachloride	20.0	17.8		ug/L		89	65 - 131	3	30
Chlorobenzene	20.0	18.6		ug/L		93	80 - 120	1	30
Chlorobromomethane	20.0	16.5		ug/L		83	71 - 134	1	30
Chlorodibromomethane	20.0	18.4		ug/L		92	73 - 121	6	30
Chloroethane	20.0	19.9		ug/L		99	54 - 150	3	30
Chloroform	20.0	19.4		ug/L		97	78 - 125	1	30
Chloromethane	20.0	24.3		ug/L		122	43 - 149	0	30
cis-1,2-Dichloroethene	20.0	17.3		ug/L		86	78 - 121	1	30
cis-1,3-Dichloropropene	20.0	21.0		ug/L		105	74 - 125	3	30
Cyclohexane	20.0	18.7		ug/L		94	64 - 142	0	30
Dichlorobromomethane	20.0	19.0		ug/L		95	76 - 121	1	30
Dichlorodifluoromethane	20.0	18.5		ug/L		92	38 - 144	1	30
Ethylbenzene	20.0	19.2		ug/L		96	78 - 120	2	30
Ethylene Dibromide	20.0	19.6		ug/L		98	79 - 126	8	30
Isopropylbenzene	20.0	19.3		ug/L		97	79 - 125	0	30
Methyl acetate	40.0	62.7 *		ug/L		157	50 - 147	1	30
Methyl tert-butyl ether	20.0	20.8		ug/L		104	72 - 131	1	30
Methylcyclohexane	20.0	19.9		ug/L		99	63 - 138	2	30
Methylene Chloride	20.0	18.0		ug/L		90	74 - 127	0	30
m-Xylene & p-Xylene	20.0	18.7		ug/L		94	78 - 120	2	30
o-Xylene	20.0	19.0		ug/L		95	78 - 120	2	30
Styrene	20.0	18.9		ug/L		95	82 - 127	1	30
Tetrachloroethene	20.0	16.4		ug/L		82	70 - 127	5	30
Toluene	20.0	19.2		ug/L		96	78 - 120	3	30
trans-1,2-Dichloroethene	20.0	17.3		ug/L		86	70 - 126	0	30
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	71 - 127	1	30
Trichloroethene	20.0	17.5		ug/L		88	73 - 121	0	30
Trichlorofluoromethane	20.0	19.3		ug/L		97	62 - 134	1	30
Vinyl chloride	20.0	22.6		ug/L		113	55 - 144	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 128
4-Bromofluorobenzene	93		76 - 120
Dibromofluoromethane (Surr)	91		77 - 132
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	20.0	15.5		ug/L		77	72 - 128
1,1,2,2-Tetrachloroethane	1.0	U	20.0	23.7		ug/L		118	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	11.4 *		ug/L		57	65 - 142

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	1.0	U	20.0	19.8		ug/L		99	74 - 125
1,1-Dichloroethane	1.0	U	20.0	19.5		ug/L		97	73 - 130
1,1-Dichloroethene	1.0	U	20.0	13.3	*	ug/L		66	68 - 133
1,2,3-Trichlorobenzene	1.0	U	20.0	22.5		ug/L		113	55 - 150
1,2,4-Trichlorobenzene	1.0	U	20.0	20.5		ug/L		102	67 - 132
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	20.8		ug/L		104	58 - 132
1,2-Dichlorobenzene	1.0	U	20.0	19.0		ug/L		95	80 - 120
1,2-Dichloroethane	1.0	U	20.0	19.4		ug/L		97	66 - 129
1,2-Dichloropropane	1.0	U	20.0	20.4		ug/L		102	72 - 128
1,3-Dichlorobenzene	1.0	U	20.0	19.0		ug/L		95	80 - 120
1,4-Dichlorobenzene	1.0	U	20.0	18.1		ug/L		90	80 - 120
2-Butanone (MEK)	36		100	102		ug/L		66	65 - 142
2-Hexanone	5.0	U	100	111		ug/L		111	72 - 134
4-Methyl-2-pentanone (MIBK)	5.0	U	100	107		ug/L		107	77 - 130
Acetone	53		100	126		ug/L		74	60 - 133
Benzene	9.0		20.0	26.5		ug/L		87	71 - 126
Bromoform	1.0	U	20.0	18.2		ug/L		91	58 - 128
Bromomethane	1.0	U	20.0	14.6		ug/L		73	33 - 150
Carbon disulfide	2.9		20.0	17.6		ug/L		73	35 - 150
Carbon tetrachloride	1.0	U	20.0	14.6		ug/L		73	65 - 131
Chlorobenzene	1.0	U	20.0	17.1		ug/L		85	80 - 120
Chlorobromomethane	1.0	U	20.0	15.1		ug/L		76	71 - 134
Chlorodibromomethane	1.0	U	20.0	17.6		ug/L		88	73 - 121
Chloroethane	1.0	U	20.0	30.7	*	ug/L		153	54 - 150
Chloroform	1.0	U	20.0	17.3		ug/L		86	78 - 125
Chloromethane	1.0	U	20.0	24.7		ug/L		123	43 - 149
cis-1,2-Dichloroethene	1.0	U	20.0	15.9		ug/L		79	78 - 121
cis-1,3-Dichloropropene	1.0	U	20.0	19.1		ug/L		96	74 - 125
Cyclohexane	1.0	U	20.0	12.7	*	ug/L		63	64 - 142
Dichlorobromomethane	1.0	U	20.0	17.2		ug/L		86	76 - 121
Dichlorodifluoromethane	1.0	U	20.0	18.5		ug/L		93	38 - 144
Ethylbenzene	1.9		20.0	18.5		ug/L		83	78 - 120
Ethylene Dibromide	1.0	U	20.0	18.7		ug/L		94	79 - 126
Isopropylbenzene	1.0	U	20.0	17.4		ug/L		87	79 - 125
Methyl acetate	5.0	U *	40.0	59.2	*	ug/L		148	50 - 147
Methyl tert-butyl ether	1.0	U	20.0	19.0		ug/L		95	72 - 131
Methylcyclohexane	1.0	U	20.0	12.8		ug/L		64	63 - 138
Methylene Chloride	1.0	U	20.0	16.0		ug/L		80	74 - 127
m-Xylene & p-Xylene	1.7		20.0	18.6		ug/L		85	78 - 120
o-Xylene	1.6		20.0	19.0		ug/L		87	78 - 120
Styrene	1.0	U	20.0	16.9		ug/L		85	82 - 127
Tetrachloroethene	1.0	U	20.0	14.1		ug/L		70	70 - 127
Toluene	1.9		20.0	19.3		ug/L		87	78 - 120
trans-1,2-Dichloroethene	1.0	U	20.0	14.9		ug/L		75	70 - 126
trans-1,3-Dichloropropene	1.0	U	20.0	19.1		ug/L		96	71 - 127
Trichloroethene	1.0	U	20.0	15.3		ug/L		77	73 - 121
Trichlorofluoromethane	1.0	U	20.0	20.0		ug/L		100	62 - 134
Vinyl chloride	1.0	U	20.0	22.7		ug/L		114	55 - 144

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 128
4-Bromofluorobenzene	93		76 - 120
Dibromofluoromethane (Surr)	96		77 - 132
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	18.8		ug/L		94	72 - 128	19	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	28.4	*	ug/L		142	63 - 139	18	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	13.4		ug/L		67	65 - 142	17	30
1,1,2-Trichloroethane	1.0	U	20.0	25.1		ug/L		125	74 - 125	23	30
1,1-Dichloroethane	1.0	U	20.0	23.1		ug/L		116	73 - 130	17	30
1,1-Dichloroethene	1.0	U	20.0	16.1		ug/L		80	68 - 133	19	30
1,2,3-Trichlorobenzene	1.0	U	20.0	28.2		ug/L		141	55 - 150	22	30
1,2,4-Trichlorobenzene	1.0	U	20.0	25.1		ug/L		126	67 - 132	20	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	25.9		ug/L		129	58 - 132	22	30
1,2-Dichlorobenzene	1.0	U	20.0	22.6		ug/L		113	80 - 120	17	30
1,2-Dichloroethane	1.0	U	20.0	24.7		ug/L		124	66 - 129	24	30
1,2-Dichloropropane	1.0	U	20.0	25.4		ug/L		127	72 - 128	22	30
1,3-Dichlorobenzene	1.0	U	20.0	22.7		ug/L		114	80 - 120	18	30
1,4-Dichlorobenzene	1.0	U	20.0	22.7		ug/L		113	80 - 120	22	30
2-Butanone (MEK)	36		100	132		ug/L		96	65 - 142	25	30
2-Hexanone	5.0	U	100	148	*	ug/L		148	72 - 134	28	30
4-Methyl-2-pentanone (MIBK)	5.0	U	100	138	*	ug/L		138	77 - 130	25	30
Acetone	53		100	166		ug/L		113	60 - 133	27	30
Benzene	9.0		20.0	31.4		ug/L		112	71 - 126	17	30
Bromoform	1.0	U	20.0	23.1		ug/L		115	58 - 128	24	30
Bromomethane	1.0	U	20.0	20.2	*	ug/L		101	33 - 150	32	30
Carbon disulfide	2.9		20.0	20.8		ug/L		90	35 - 150	17	30
Carbon tetrachloride	1.0	U	20.0	18.2		ug/L		91	65 - 131	22	30
Chlorobenzene	1.0	U	20.0	21.7		ug/L		108	80 - 120	24	30
Chlorobromomethane	1.0	U	20.0	18.2		ug/L		91	71 - 134	19	30
Chlorodibromomethane	1.0	U	20.0	22.0		ug/L		110	73 - 121	23	30
Chloroethane	1.0	U	20.0	22.3	*	ug/L		111	54 - 150	32	30
Chloroform	1.0	U	20.0	21.7		ug/L		108	78 - 125	23	30
Chloromethane	1.0	U	20.0	29.5		ug/L		147	43 - 149	18	30
cis-1,2-Dichloroethene	1.0	U	20.0	18.4		ug/L		92	78 - 121	15	30
cis-1,3-Dichloropropene	1.0	U	20.0	24.1		ug/L		121	74 - 125	23	30
Cyclohexane	1.0	U	20.0	15.7		ug/L		79	64 - 142	22	30
Dichlorobromomethane	1.0	U	20.0	21.4		ug/L		107	76 - 121	22	30
Dichlorodifluoromethane	1.0	U	20.0	22.4		ug/L		112	38 - 144	19	30
Ethylbenzene	1.9		20.0	22.4		ug/L		103	78 - 120	19	30
Ethylene Dibromide	1.0	U	20.0	23.8		ug/L		119	79 - 126	24	30
Isopropylbenzene	1.0	U	20.0	21.9		ug/L		110	79 - 125	23	30
Methyl acetate	5.0	U *	40.0	73.3	*	ug/L		183	50 - 147	21	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1017719

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tert-butyl ether	1.0	U	20.0	23.5		ug/L		118	72 - 131	21	30
Methylcyclohexane	1.0	U	20.0	16.1		ug/L		80	63 - 138	23	30
Methylene Chloride	1.0	U	20.0	18.9		ug/L		94	74 - 127	17	30
m-Xylene & p-Xylene	1.7		20.0	23.1		ug/L		107	78 - 120	22	30
o-Xylene	1.6		20.0	23.3		ug/L		109	78 - 120	20	30
Styrene	1.0	U	20.0	21.1		ug/L		106	82 - 127	22	30
Tetrachloroethene	1.0	U	20.0	17.7		ug/L		88	70 - 127	22	30
Toluene	1.9		20.0	23.0		ug/L		105	78 - 120	17	30
trans-1,2-Dichloroethene	1.0	U	20.0	17.9		ug/L		89	70 - 126	18	30
trans-1,3-Dichloropropene	1.0	U	20.0	24.3		ug/L		121	71 - 127	24	30
Trichloroethene	1.0	U	20.0	18.4		ug/L		92	73 - 121	18	30
Trichlorofluoromethane	1.0	U	20.0	24.0		ug/L		120	62 - 134	18	30
Vinyl chloride	1.0	U	20.0	27.8		ug/L		139	55 - 144	20	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	120		70 - 128
4-Bromofluorobenzene	100		76 - 120
Dibromofluoromethane (Surr)	98		77 - 132
Toluene-d8 (Surr)	113		80 - 120

Lab Sample ID: MB 460-1018632/9

Matrix: Water

Analysis Batch: 1018632

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			01/29/25 19:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/29/25 19:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/29/25 19:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/29/25 19:56	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/29/25 19:56	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/29/25 19:56	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			01/29/25 19:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			01/29/25 19:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			01/29/25 19:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			01/29/25 19:56	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/29/25 19:56	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/29/25 19:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			01/29/25 19:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			01/29/25 19:56	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			01/29/25 19:56	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/29/25 19:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/29/25 19:56	1
Acetone	5.0	U	5.0	4.4	ug/L			01/29/25 19:56	1
Benzene	1.0	U	1.0	0.20	ug/L			01/29/25 19:56	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/29/25 19:56	1
Bromomethane	1.0	U	1.0	0.55	ug/L			01/29/25 19:56	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/29/25 19:56	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/29/25 19:56	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1018632/9

Matrix: Water

Analysis Batch: 1018632

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/29/25 19:56	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			01/29/25 19:56	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			01/29/25 19:56	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/29/25 19:56	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/29/25 19:56	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/29/25 19:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			01/29/25 19:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/29/25 19:56	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			01/29/25 19:56	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			01/29/25 19:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			01/29/25 19:56	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/29/25 19:56	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			01/29/25 19:56	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/29/25 19:56	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			01/29/25 19:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/29/25 19:56	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			01/29/25 19:56	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/29/25 19:56	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			01/29/25 19:56	1
o-Xylene	1.0	U	1.0	0.36	ug/L			01/29/25 19:56	1
Styrene	1.0	U	1.0	0.42	ug/L			01/29/25 19:56	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/29/25 19:56	1
Toluene	1.0	U	1.0	0.38	ug/L			01/29/25 19:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/29/25 19:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/29/25 19:56	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/29/25 19:56	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			01/29/25 19:56	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/29/25 19:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 128		01/29/25 19:56	1
4-Bromofluorobenzene	110		76 - 120		01/29/25 19:56	1
Dibromofluoromethane (Surr)	97		77 - 132		01/29/25 19:56	1
Toluene-d8 (Surr)	98		80 - 120		01/29/25 19:56	1

Lab Sample ID: LCS 460-1018632/4

Matrix: Water

Analysis Batch: 1018632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	16.2		ug/L		81	72 - 128
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/L		85	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.7		ug/L		83	65 - 142
1,1,2-Trichloroethane	20.0	18.7		ug/L		94	74 - 125
1,1-Dichloroethane	20.0	18.8		ug/L		94	73 - 130
1,1-Dichloroethene	20.0	15.3		ug/L		76	68 - 133
1,2,3-Trichlorobenzene	20.0	23.0		ug/L		115	55 - 150
1,2,4-Trichlorobenzene	20.0	21.4		ug/L		107	67 - 132

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018632/4

Matrix: Water

Analysis Batch: 1018632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	20.0	17.0		ug/L		85	58 - 132
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	80 - 120
1,2-Dichloroethane	20.0	19.1		ug/L		95	66 - 129
1,2-Dichloropropane	20.0	19.5		ug/L		97	72 - 128
1,3-Dichlorobenzene	20.0	18.5		ug/L		92	80 - 120
1,4-Dichlorobenzene	20.0	17.8		ug/L		89	80 - 120
2-Butanone (MEK)	100	73.4		ug/L		73	65 - 142
2-Hexanone	100	111		ug/L		111	72 - 134
4-Methyl-2-pentanone (MIBK)	100	112		ug/L		112	77 - 130
Acetone	100	96.5		ug/L		97	60 - 133
Benzene	20.0	18.6		ug/L		93	71 - 126
Bromoform	20.0	20.0		ug/L		100	58 - 128
Bromomethane	20.0	11.8		ug/L		59	33 - 150
Carbon disulfide	20.0	15.1		ug/L		76	35 - 150
Carbon tetrachloride	20.0	16.7		ug/L		83	65 - 131
Chlorobenzene	20.0	17.6		ug/L		88	80 - 120
Chlorobromomethane	20.0	17.6		ug/L		88	71 - 134
Chlorodibromomethane	20.0	18.2		ug/L		91	73 - 121
Chloroethane	20.0	16.5		ug/L		83	54 - 150
Chloroform	20.0	17.5		ug/L		87	78 - 125
Chloromethane	20.0	19.0		ug/L		95	43 - 149
cis-1,2-Dichloroethene	20.0	16.1		ug/L		80	78 - 121
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	74 - 125
Cyclohexane	20.0	16.7		ug/L		83	64 - 142
Dichlorobromomethane	20.0	17.4		ug/L		87	76 - 121
Dichlorodifluoromethane	20.0	17.9		ug/L		89	38 - 144
Ethylbenzene	20.0	17.3		ug/L		87	78 - 120
Ethylene Dibromide	20.0	18.3		ug/L		91	79 - 126
Isopropylbenzene	20.0	17.8		ug/L		89	79 - 125
Methyl acetate	40.0	50.1		ug/L		125	50 - 147
Methyl tert-butyl ether	20.0	18.6		ug/L		93	72 - 131
Methylcyclohexane	20.0	17.0		ug/L		85	63 - 138
Methylene Chloride	20.0	16.3		ug/L		82	74 - 127
m-Xylene & p-Xylene	20.0	16.4		ug/L		82	78 - 120
o-Xylene	20.0	17.4		ug/L		87	78 - 120
Styrene	20.0	17.7		ug/L		89	82 - 127
Tetrachloroethene	20.0	18.1		ug/L		91	70 - 127
Toluene	20.0	16.7		ug/L		84	78 - 120
trans-1,2-Dichloroethene	20.0	16.1		ug/L		81	70 - 126
trans-1,3-Dichloropropene	20.0	17.5		ug/L		87	71 - 127
Trichloroethene	20.0	15.7		ug/L		78	73 - 121
Trichlorofluoromethane	20.0	16.2		ug/L		81	62 - 134
Vinyl chloride	20.0	17.1		ug/L		85	55 - 144

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 128
4-Bromofluorobenzene	111		76 - 120
Dibromofluoromethane (Surr)	94		77 - 132

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018632/4

Matrix: Water

Analysis Batch: 1018632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 460-1018632/5

Matrix: Water

Analysis Batch: 1018632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits			
1,1,1-Trichloroethane	20.0	17.0		ug/L		85	72 - 128	5	30	
1,1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		92	63 - 139	8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.8		ug/L		89	65 - 142	7	30	
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	74 - 125	3	30	
1,1-Dichloroethane	20.0	19.2		ug/L		96	73 - 130	2	30	
1,1-Dichloroethene	20.0	16.3		ug/L		82	68 - 133	7	30	
1,2,3-Trichlorobenzene	20.0	25.1		ug/L		125	55 - 150	9	30	
1,2,4-Trichlorobenzene	20.0	23.8		ug/L		119	67 - 132	11	30	
1,2-Dibromo-3-Chloropropane	20.0	19.3		ug/L		96	58 - 132	12	30	
1,2-Dichlorobenzene	20.0	20.7		ug/L		103	80 - 120	10	30	
1,2-Dichloroethane	20.0	19.6		ug/L		98	66 - 129	3	30	
1,2-Dichloropropane	20.0	20.6		ug/L		103	72 - 128	6	30	
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120	9	30	
1,4-Dichlorobenzene	20.0	19.5		ug/L		98	80 - 120	9	30	
2-Butanone (MEK)	100	81.1		ug/L		81	65 - 142	10	30	
2-Hexanone	100	124		ug/L		124	72 - 134	11	30	
4-Methyl-2-pentanone (MIBK)	100	120		ug/L		120	77 - 130	7	30	
Acetone	100	107		ug/L		107	60 - 133	10	30	
Benzene	20.0	19.1		ug/L		96	71 - 126	3	30	
Bromoform	20.0	19.9		ug/L		99	58 - 128	1	30	
Bromomethane	20.0	12.5		ug/L		62	33 - 150	5	30	
Carbon disulfide	20.0	16.0		ug/L		80	35 - 150	5	30	
Carbon tetrachloride	20.0	18.1		ug/L		91	65 - 131	8	30	
Chlorobenzene	20.0	18.2		ug/L		91	80 - 120	3	30	
Chlorobromomethane	20.0	18.9		ug/L		95	71 - 134	7	30	
Chlorodibromomethane	20.0	19.1		ug/L		95	73 - 121	4	30	
Chloroethane	20.0	16.3		ug/L		82	54 - 150	1	30	
Chloroform	20.0	17.9		ug/L		90	78 - 125	3	30	
Chloromethane	20.0	19.6		ug/L		98	43 - 149	3	30	
cis-1,2-Dichloroethene	20.0	16.8		ug/L		84	78 - 121	4	30	
cis-1,3-Dichloropropene	20.0	19.0		ug/L		95	74 - 125	5	30	
Cyclohexane	20.0	17.3		ug/L		86	64 - 142	3	30	
Dichlorobromomethane	20.0	17.7		ug/L		89	76 - 121	2	30	
Dichlorodifluoromethane	20.0	18.9		ug/L		94	38 - 144	5	30	
Ethylbenzene	20.0	18.1		ug/L		90	78 - 120	4	30	
Ethylene Dibromide	20.0	18.7		ug/L		94	79 - 126	2	30	
Isopropylbenzene	20.0	18.5		ug/L		93	79 - 125	4	30	
Methyl acetate	40.0	49.3		ug/L		123	50 - 147	2	30	
Methyl tert-butyl ether	20.0	18.8		ug/L		94	72 - 131	1	30	
Methylcyclohexane	20.0	18.0		ug/L		90	63 - 138	6	30	
Methylene Chloride	20.0	17.2		ug/L		86	74 - 127	5	30	

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018632/5

Matrix: Water

Analysis Batch: 1018632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	20.0	18.1		ug/L		91	78 - 120	10	30
o-Xylene	20.0	18.6		ug/L		93	78 - 120	6	30
Styrene	20.0	18.1		ug/L		90	82 - 127	2	30
Tetrachloroethene	20.0	19.5		ug/L		97	70 - 127	7	30
Toluene	20.0	17.4		ug/L		87	78 - 120	4	30
trans-1,2-Dichloroethene	20.0	16.5		ug/L		83	70 - 126	2	30
trans-1,3-Dichloropropene	20.0	17.5		ug/L		88	71 - 127	0	30
Trichloroethene	20.0	16.4		ug/L		82	73 - 121	5	30
Trichlorofluoromethane	20.0	17.6		ug/L		88	62 - 134	8	30
Vinyl chloride	20.0	18.1		ug/L		90	55 - 144	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 128
4-Bromofluorobenzene	111		76 - 120
Dibromofluoromethane (Surr)	97		77 - 132
Toluene-d8 (Surr)	101		80 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1017771/1-A

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 21:24	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,4-Dinitrophenol	40	U	40	11	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		01/23/25 10:04	01/23/25 21:24	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		01/23/25 10:04	01/23/25 21:24	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 21:24	1
2-Chlorophenol	10	U	10	0.95	ug/L		01/23/25 10:04	01/23/25 21:24	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		01/23/25 10:04	01/23/25 21:24	1
2-Methylphenol	10	U	10	0.67	ug/L		01/23/25 10:04	01/23/25 21:24	1
2-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 21:24	1
2-Nitrophenol	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 21:24	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		01/23/25 10:04	01/23/25 21:24	1
3-Nitroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 21:24	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		01/23/25 10:04	01/23/25 21:24	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		01/23/25 10:04	01/23/25 21:24	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 21:24	1
4-Chloroaniline	10	U	10	1.9	ug/L		01/23/25 10:04	01/23/25 21:24	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 21:24	1
4-Methylphenol	10	U	10	0.65	ug/L		01/23/25 10:04	01/23/25 21:24	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1017771/1-A

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	10	U	10	1.2	ug/L		01/23/25 10:04	01/23/25 21:24	1
4-Nitrophenol	20	U	20	4.0	ug/L		01/23/25 10:04	01/23/25 21:24	1
Acenaphthene	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 21:24	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/25 10:04	01/23/25 21:24	1
Acetophenone	10	U	10	2.3	ug/L		01/23/25 10:04	01/23/25 21:24	1
Anthracene	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 21:24	1
Atrazine	2.0	U	2.0	1.3	ug/L		01/23/25 10:04	01/23/25 21:24	1
Benzaldehyde	10	U	10	2.1	ug/L		01/23/25 10:04	01/23/25 21:24	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/25 10:04	01/23/25 21:24	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/23/25 10:04	01/23/25 21:24	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/25 10:04	01/23/25 21:24	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		01/23/25 10:04	01/23/25 21:24	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/25 10:04	01/23/25 21:24	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		01/23/25 10:04	01/23/25 21:24	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		01/23/25 10:04	01/23/25 21:24	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 21:24	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		01/23/25 10:04	01/23/25 21:24	1
Caprolactam	10	U	10	2.2	ug/L		01/23/25 10:04	01/23/25 21:24	1
Carbazole	10	U	10	0.68	ug/L		01/23/25 10:04	01/23/25 21:24	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/25 10:04	01/23/25 21:24	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/25 10:04	01/23/25 21:24	1
Dibenzofuran	10	U	10	1.1	ug/L		01/23/25 10:04	01/23/25 21:24	1
Diethyl phthalate	10	U	10	0.98	ug/L		01/23/25 10:04	01/23/25 21:24	1
Dimethyl phthalate	10	U	10	0.77	ug/L		01/23/25 10:04	01/23/25 21:24	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		01/23/25 10:04	01/23/25 21:24	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		01/23/25 10:04	01/23/25 21:24	1
Fluoranthene	10	U	10	0.84	ug/L		01/23/25 10:04	01/23/25 21:24	1
Fluorene	10	U	10	0.91	ug/L		01/23/25 10:04	01/23/25 21:24	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		01/23/25 10:04	01/23/25 21:24	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		01/23/25 10:04	01/23/25 21:24	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		01/23/25 10:04	01/23/25 21:24	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		01/23/25 10:04	01/23/25 21:24	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/25 10:04	01/23/25 21:24	1
Isophorone	10	U	10	0.80	ug/L		01/23/25 10:04	01/23/25 21:24	1
Naphthalene	2.0	U	2.0	0.54	ug/L		01/23/25 10:04	01/23/25 21:24	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		01/23/25 10:04	01/23/25 21:24	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		01/23/25 10:04	01/23/25 21:24	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		01/23/25 10:04	01/23/25 21:24	1
Pentachlorophenol	20	U	20	6.6	ug/L		01/23/25 10:04	01/23/25 21:24	1
Phenanthrene	10	U	10	1.3	ug/L		01/23/25 10:04	01/23/25 21:24	1
Phenol	10	U	10	0.29	ug/L		01/23/25 10:04	01/23/25 21:24	1
Pyrene	10	U	10	1.6	ug/L		01/23/25 10:04	01/23/25 21:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		37 - 150	01/23/25 10:04	01/23/25 21:24	1
2-Fluorobiphenyl	89		46 - 139	01/23/25 10:04	01/23/25 21:24	1
2-Fluorophenol (Surr)	54		16 - 80	01/23/25 10:04	01/23/25 21:24	1
Nitrobenzene-d5 (Surr)	91		51 - 145	01/23/25 10:04	01/23/25 21:24	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1017771/1-A

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1017771

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	36		10 - 56	01/23/25 10:04	01/23/25 21:24	1
Terphenyl-d14 (Surr)	30		13 - 159	01/23/25 10:04	01/23/25 21:24	1

Lab Sample ID: LCS 460-1017771/2-A

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	91.6		ug/L		115	52 - 129
1,2,4,5-Tetrachlorobenzene	80.0	90.7		ug/L		113	40 - 136
2,2'-oxybis[1-chloropropane]	80.0	83.8		ug/L		105	47 - 133
2,3,4,6-Tetrachlorophenol	80.0	91.9		ug/L		115	63 - 131
2,4,5-Trichlorophenol	80.0	89.9		ug/L		112	63 - 124
2,4,6-Trichlorophenol	80.0	90.4		ug/L		113	66 - 131
2,4-Dichlorophenol	80.0	82.8		ug/L		104	60 - 120
2,4-Dimethylphenol	80.0	93.0		ug/L		116	37 - 120
2,4-Dinitrophenol	160	165		ug/L		103	50 - 148
2,4-Dinitrotoluene	80.0	97.0		ug/L		121	71 - 142
2,6-Dinitrotoluene	80.0	93.9		ug/L		117	71 - 136
2-Chloronaphthalene	80.0	89.4		ug/L		112	50 - 129
2-Chlorophenol	80.0	71.3		ug/L		89	49 - 120
2-Methylnaphthalene	80.0	77.8		ug/L		97	42 - 134
2-Methylphenol	80.0	64.3		ug/L		80	35 - 120
2-Nitroaniline	80.0	89.0		ug/L		111	57 - 134
2-Nitrophenol	80.0	85.9		ug/L		107	62 - 124
3,3'-Dichlorobenzidine	80.0	80.5		ug/L		101	55 - 145
3-Nitroaniline	80.0	71.5		ug/L		89	51 - 120
4,6-Dinitro-2-methylphenol	160	183		ug/L		115	65 - 145
4-Bromophenyl phenyl ether	80.0	90.6		ug/L		113	59 - 132
4-Chloro-3-methylphenol	80.0	77.1		ug/L		96	54 - 120
4-Chloroaniline	80.0	66.0		ug/L		82	43 - 120
4-Chlorophenyl phenyl ether	80.0	91.7		ug/L		115	65 - 127
4-Methylphenol	80.0	55.8		ug/L		70	28 - 120
4-Nitroaniline	80.0	88.7		ug/L		111	57 - 135
4-Nitrophenol	160	76.9		ug/L		48	10 - 120
Acenaphthene	80.0	91.0		ug/L		114	62 - 127
Acenaphthylene	80.0	96.2		ug/L		120	58 - 122
Acetophenone	80.0	86.4		ug/L		108	65 - 125
Anthracene	80.0	91.9		ug/L		115	67 - 127
Atrazine	40.0	76.4	*	ug/L		191	13 - 150
Benzaldehyde	40.0	65.0	*	ug/L		163	10 - 150
Benzo[a]anthracene	80.0	89.0		ug/L		111	71 - 131
Benzo[a]pyrene	80.0	107		ug/L		134	75 - 148
Benzo[b]fluoranthene	80.0	94.1		ug/L		118	70 - 140
Benzo[g,h,i]perylene	80.0	103		ug/L		129	52 - 143
Benzo[k]fluoranthene	80.0	101		ug/L		127	71 - 140
Bis(2-chloroethoxy)methane	80.0	88.6		ug/L		111	63 - 122
Bis(2-chloroethyl)ether	80.0	85.6		ug/L		107	61 - 125

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1017771/2-A

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-ethylhexyl) phthalate	80.0	93.5		ug/L		117	65 - 144
Butyl benzyl phthalate	80.0	89.1		ug/L		111	67 - 141
Caprolactam	40.0	13.8		ug/L		35	10 - 120
Carbazole	80.0	91.4		ug/L		114	68 - 132
Chrysene	80.0	91.3		ug/L		114	70 - 132
Dibenz(a,h)anthracene	80.0	99.2		ug/L		124	53 - 150
Dibenzofuran	80.0	90.7		ug/L		113	64 - 125
Diethyl phthalate	80.0	88.0		ug/L		110	67 - 131
Dimethyl phthalate	80.0	91.1		ug/L		114	67 - 129
Di-n-butyl phthalate	80.0	88.1		ug/L		110	71 - 139
Di-n-octyl phthalate	80.0	92.9		ug/L		116	51 - 150
Fluoranthene	80.0	92.8		ug/L		116	69 - 137
Fluorene	80.0	94.0		ug/L		117	67 - 125
Hexachlorobenzene	80.0	90.9		ug/L		114	62 - 135
Hexachlorobutadiene	80.0	88.7		ug/L		111	10 - 147
Hexachlorocyclopentadiene	80.0	116 *		ug/L		146	10 - 135
Hexachloroethane	80.0	86.5		ug/L		108	10 - 138
Indeno[1,2,3-cd]pyrene	80.0	99.5		ug/L		124	59 - 150
Isophorone	80.0	91.9		ug/L		115	65 - 128
Naphthalene	80.0	88.3		ug/L		110	39 - 126
Nitrobenzene	80.0	91.0		ug/L		114	66 - 127
N-Nitrosodi-n-propylamine	80.0	89.4		ug/L		112	63 - 133
N-Nitrosodiphenylamine	80.0	90.3		ug/L		113	66 - 128
Pentachlorophenol	160	180		ug/L		112	60 - 140
Phenanthrene	80.0	90.1		ug/L		113	68 - 126
Phenol	80.0	31.0		ug/L		39	10 - 80
Pyrene	80.0	87.8		ug/L		110	60 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	111		37 - 150
2-Fluorobiphenyl	111		46 - 139
2-Fluorophenol (Surr)	54		16 - 80
Nitrobenzene-d5 (Surr)	110		51 - 145
Phenol-d5 (Surr)	36		10 - 56
Terphenyl-d14 (Surr)	84		13 - 159

Lab Sample ID: LCSD 460-1017771/3-A

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	82.9		ug/L		104	52 - 129	10	30
1,2,4,5-Tetrachlorobenzene	80.0	81.2		ug/L		101	40 - 136	11	30
2,2'-oxybis[1-chloropropane]	80.0	77.5		ug/L		97	47 - 133	8	30
2,3,4,6-Tetrachlorophenol	80.0	82.5		ug/L		103	63 - 131	11	30
2,4,5-Trichlorophenol	80.0	80.8		ug/L		101	63 - 124	11	30
2,4,6-Trichlorophenol	80.0	83.8		ug/L		105	66 - 131	8	30
2,4-Dichlorophenol	80.0	76.9		ug/L		96	60 - 120	7	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1017771/3-A

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	80.0	86.4		ug/L		108	37 - 120	7	30
2,4-Dinitrophenol	160	155		ug/L		97	50 - 148	6	30
2,4-Dinitrotoluene	80.0	86.8		ug/L		108	71 - 142	11	30
2,6-Dinitrotoluene	80.0	85.7		ug/L		107	71 - 136	9	30
2-Chloronaphthalene	80.0	80.9		ug/L		101	50 - 129	10	30
2-Chlorophenol	80.0	68.2		ug/L		85	49 - 120	4	30
2-Methylnaphthalene	80.0	71.2		ug/L		89	42 - 134	9	30
2-Methylphenol	80.0	62.6		ug/L		78	35 - 120	3	30
2-Nitroaniline	80.0	81.7		ug/L		102	57 - 134	9	30
2-Nitrophenol	80.0	77.4		ug/L		97	62 - 124	10	30
3,3'-Dichlorobenzidine	80.0	63.9		ug/L		80	55 - 145	23	30
3-Nitroaniline	80.0	60.2		ug/L		75	51 - 120	17	30
4,6-Dinitro-2-methylphenol	160	172		ug/L		107	65 - 145	7	30
4-Bromophenyl phenyl ether	80.0	82.9		ug/L		104	59 - 132	9	30
4-Chloro-3-methylphenol	80.0	74.1		ug/L		93	54 - 120	4	30
4-Chloroaniline	80.0	49.4		ug/L		62	43 - 120	29	30
4-Chlorophenyl phenyl ether	80.0	82.5		ug/L		103	65 - 127	10	30
4-Methylphenol	80.0	56.8		ug/L		71	28 - 120	2	30
4-Nitroaniline	80.0	78.0		ug/L		97	57 - 135	13	30
4-Nitrophenol	160	88.2		ug/L		55	10 - 120	14	30
Acenaphthene	80.0	81.5		ug/L		102	62 - 127	11	30
Acenaphthylene	80.0	86.5		ug/L		108	58 - 122	11	30
Acetophenone	80.0	80.0		ug/L		100	65 - 125	8	30
Anthracene	80.0	83.3		ug/L		104	67 - 127	10	30
Atrazine	40.0	50.8	*	ug/L		127	13 - 150	40	30
Benzaldehyde	40.0	45.5	*	ug/L		114	10 - 150	35	30
Benzo[a]anthracene	80.0	81.3		ug/L		102	71 - 131	9	30
Benzo[a]pyrene	80.0	95.0		ug/L		119	75 - 148	12	30
Benzo[b]fluoranthene	80.0	85.1		ug/L		106	70 - 140	10	30
Benzo[g,h,i]perylene	80.0	93.7		ug/L		117	52 - 143	10	30
Benzo[k]fluoranthene	80.0	89.5		ug/L		112	71 - 140	12	30
Bis(2-chloroethoxy)methane	80.0	80.4		ug/L		100	63 - 122	10	30
Bis(2-chloroethyl)ether	80.0	77.3		ug/L		97	61 - 125	10	30
Bis(2-ethylhexyl) phthalate	80.0	85.3		ug/L		107	65 - 144	9	30
Butyl benzyl phthalate	80.0	81.8		ug/L		102	67 - 141	9	30
Caprolactam	40.0	11.0		ug/L		27	10 - 120	23	30
Carbazole	80.0	82.9		ug/L		104	68 - 132	10	30
Chrysene	80.0	81.2		ug/L		101	70 - 132	12	30
Dibenz(a,h)anthracene	80.0	90.1		ug/L		113	53 - 150	10	30
Dibenzofuran	80.0	81.0		ug/L		101	64 - 125	11	30
Diethyl phthalate	80.0	78.7		ug/L		98	67 - 131	11	30
Dimethyl phthalate	80.0	82.8		ug/L		103	67 - 129	10	30
Di-n-butyl phthalate	80.0	79.5		ug/L		99	71 - 139	10	30
Di-n-octyl phthalate	80.0	84.3		ug/L		105	51 - 150	10	30
Fluoranthene	80.0	84.9		ug/L		106	69 - 137	9	30
Fluorene	80.0	84.8		ug/L		106	67 - 125	10	30
Hexachlorobenzene	80.0	82.8		ug/L		104	62 - 135	9	30
Hexachlorobutadiene	80.0	80.1		ug/L		100	10 - 147	10	30
Hexachlorocyclopentadiene	80.0	106		ug/L		132	10 - 135	9	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1017771/3-A

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane	80.0	80.4		ug/L		101	10 - 138	7	30
Indeno[1,2,3-cd]pyrene	80.0	91.0		ug/L		114	59 - 150	9	30
Isophorone	80.0	82.3		ug/L		103	65 - 128	11	30
Naphthalene	80.0	79.8		ug/L		100	39 - 126	10	30
Nitrobenzene	80.0	80.4		ug/L		101	66 - 127	12	30
N-Nitrosodi-n-propylamine	80.0	80.9		ug/L		101	63 - 133	10	30
N-Nitrosodiphenylamine	80.0	84.4		ug/L		105	66 - 128	7	30
Pentachlorophenol	160	168		ug/L		105	60 - 140	7	30
Phenanthrene	80.0	81.6		ug/L		102	68 - 126	10	30
Phenol	80.0	33.8		ug/L		42	10 - 80	9	30
Pyrene	80.0	80.7		ug/L		101	60 - 137	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	97		37 - 150
2-Fluorobiphenyl	96		46 - 139
2-Fluorophenol (Surr)	55		16 - 80
Nitrobenzene-d5 (Surr)	96		51 - 145
Phenol-d5 (Surr)	38		10 - 56
Terphenyl-d14 (Surr)	70		13 - 159

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	10	U	40.0	50.6		ug/L		126	52 - 129
1,2,4,5-Tetrachlorobenzene	10	U	40.0	47.8		ug/L		119	40 - 136
2,2'-oxybis[1-chloropropane]	10	U	40.0	47.5		ug/L		119	47 - 133
2,3,4,6-Tetrachlorophenol	10	U	40.0	49.2		ug/L		123	63 - 131
2,4,5-Trichlorophenol	10	U	40.0	49.3		ug/L		123	63 - 124
2,4,6-Trichlorophenol	10	U	40.0	50.3		ug/L		126	66 - 131
2,4-Dichlorophenol	10	U	40.0	45.3		ug/L		113	60 - 120
2,4-Dimethylphenol	0.72	J	40.0	55.0	*	ug/L		136	37 - 120
2,4-Dinitrophenol	40	U	80.0	86.5		ug/L		108	50 - 148
2,4-Dinitrotoluene	10	U	40.0	53.0		ug/L		133	71 - 142
2,6-Dinitrotoluene	2.0	U	40.0	51.6		ug/L		129	71 - 136
2-Chloronaphthalene	10	U	40.0	49.0		ug/L		123	50 - 129
2-Chlorophenol	10	U	40.0	40.7		ug/L		102	49 - 120
2-Methylnaphthalene	2.2	J	40.0	45.0		ug/L		107	42 - 134
2-Methylphenol	1.0	J	40.0	39.9		ug/L		97	35 - 120
2-Nitroaniline	10	U	40.0	48.7		ug/L		122	57 - 134
2-Nitrophenol	10	U	40.0	47.6		ug/L		119	62 - 124
3,3'-Dichlorobenzidine	10	U	40.0	28.0		ug/L		70	55 - 145
3-Nitroaniline	10	U	40.0	26.8		ug/L		67	51 - 120
4,6-Dinitro-2-methylphenol	20	U	80.0	101		ug/L		127	65 - 145
4-Bromophenyl phenyl ether	10	U	40.0	49.2		ug/L		123	59 - 132
4-Chloro-3-methylphenol	10	U	40.0	44.2		ug/L		111	54 - 120
4-Chloroaniline	10	U	40.0	19.7		ug/L		49	43 - 120

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chlorophenyl phenyl ether	10	U	40.0	49.2		ug/L		123	65 - 127
4-Methylphenol	0.83	J	40.0	35.5		ug/L		87	28 - 120
4-Nitroaniline	10	U	40.0	44.6		ug/L		111	57 - 135
4-Nitrophenol	20	U	80.0	52.1		ug/L		65	10 - 120
Acenaphthene	5.6	J	40.0	56.2		ug/L		126	62 - 127
Acenaphthylene	10	U	40.0	51.7	*	ug/L		129	58 - 122
Acetophenone	10	U	40.0	49.1		ug/L		123	65 - 125
Anthracene	2.8	J	40.0	52.2		ug/L		124	67 - 127
Atrazine	2.0	U *	40.0	66.7	E *	ug/L		167	13 - 150
Benzaldehyde	10	U *	40.0	57.9	E	ug/L		145	10 - 150
Benzo[a]anthracene	1.0	U	40.0	49.9		ug/L		125	71 - 131
Benzo[a]pyrene	1.0	U	40.0	56.2		ug/L		141	75 - 148
Benzo[b]fluoranthene	2.0	U	40.0	52.9		ug/L		132	70 - 140
Benzo[g,h,i]perylene	10	U	40.0	54.8		ug/L		137	52 - 143
Benzo[k]fluoranthene	1.0	U	40.0	51.2		ug/L		128	71 - 140
Bis(2-chloroethoxy)methane	10	U	40.0	48.7		ug/L		122	63 - 122
Bis(2-chloroethyl)ether	1.0	U	40.0	47.4		ug/L		118	61 - 125
Bis(2-ethylhexyl) phthalate	2.0	U	40.0	53.6		ug/L		134	65 - 144
Butyl benzyl phthalate	10	U	40.0	53.0		ug/L		133	67 - 141
Caprolactam	10	U	40.0	14.2		ug/L		35	10 - 120
Carbazole	7.2	J	40.0	58.9		ug/L		129	68 - 132
Chrysene	2.0	U	40.0	50.1		ug/L		125	70 - 132
Dibenz(a,h)anthracene	1.0	U	40.0	51.5		ug/L		129	53 - 150
Dibenzofuran	5.4	J	40.0	54.8		ug/L		124	64 - 125
Diethyl phthalate	10	U	40.0	48.8		ug/L		122	67 - 131
Dimethyl phthalate	10	U	40.0	49.8		ug/L		125	67 - 129
Di-n-butyl phthalate	10	U	40.0	50.7		ug/L		127	71 - 139
Di-n-octyl phthalate	10	U	40.0	54.6		ug/L		136	51 - 150
Fluoranthene	4.2	J	40.0	59.4	*	ug/L		138	69 - 137
Fluorene	8.5	J	40.0	60.3	*	ug/L		130	67 - 125
Hexachlorobenzene	1.0	U	40.0	49.6		ug/L		124	62 - 135
Hexachlorobutadiene	1.0	U	40.0	47.1		ug/L		118	10 - 147
Hexachlorocyclopentadiene	10	U *	40.0	56.6	*	ug/L		141	10 - 135
Hexachloroethane	2.0	U	40.0	46.9		ug/L		117	10 - 138
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	53.3		ug/L		133	59 - 150
Isophorone	10	U	40.0	50.5		ug/L		126	65 - 128
Naphthalene	21		40.0	75.9	*	ug/L		137	39 - 126
Nitrobenzene	1.0	U	40.0	50.4		ug/L		126	66 - 127
N-Nitrosodi-n-propylamine	1.0	U	40.0	50.1		ug/L		125	63 - 133
N-Nitrosodiphenylamine	10	U	40.0	49.9		ug/L		125	66 - 128
Pentachlorophenol	20	U	80.0	97.7		ug/L		122	60 - 140
Phenanthrene	18		40.0	70.9	*	ug/L		133	68 - 126
Phenol	0.94	J	40.0	20.2		ug/L		48	10 - 80
Pyrene	2.8	J	40.0	53.0		ug/L		125	60 - 137

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	105		37 - 150
2-Fluorobiphenyl	106		46 - 139

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017771

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	61		16 - 80
Nitrobenzene-d5 (Surr)	106		51 - 145
Phenol-d5 (Surr)	41		10 - 56
Terphenyl-d14 (Surr)	51		13 - 159

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	10	U	40.0	46.1		ug/L		115	52 - 129	9	30
1,2,4,5-Tetrachlorobenzene	10	U	40.0	42.3		ug/L		106	40 - 136	12	30
2,2'-oxybis[1-chloropropane]	10	U	40.0	44.4		ug/L		111	47 - 133	7	30
2,3,4,6-Tetrachlorophenol	10	U	40.0	45.2		ug/L		113	63 - 131	8	30
2,4,5-Trichlorophenol	10	U	40.0	44.5		ug/L		111	63 - 124	10	30
2,4,6-Trichlorophenol	10	U	40.0	46.4		ug/L		116	66 - 131	8	30
2,4-Dichlorophenol	10	U	40.0	41.6		ug/L		104	60 - 120	9	30
2,4-Dimethylphenol	0.72	J	40.0	49.3	*	ug/L		121	37 - 120	11	30
2,4-Dinitrophenol	40	U	80.0	80.2		ug/L		100	50 - 148	8	30
2,4-Dinitrotoluene	10	U	40.0	49.8		ug/L		125	71 - 142	6	30
2,6-Dinitrotoluene	2.0	U	40.0	47.7		ug/L		119	71 - 136	8	30
2-Chloronaphthalene	10	U	40.0	44.9		ug/L		112	50 - 129	9	30
2-Chlorophenol	10	U	40.0	37.3		ug/L		93	49 - 120	9	30
2-Methylnaphthalene	2.2	J	40.0	41.9		ug/L		99	42 - 134	7	30
2-Methylphenol	1.0	J	40.0	33.8		ug/L		82	35 - 120	17	30
2-Nitroaniline	10	U	40.0	46.2		ug/L		115	57 - 134	5	30
2-Nitrophenol	10	U	40.0	43.7		ug/L		109	62 - 124	9	30
3,3'-Dichlorobenzidine	10	U	40.0	24.7		ug/L		62	55 - 145	12	30
3-Nitroaniline	10	U	40.0	23.3		ug/L		58	51 - 120	14	30
4,6-Dinitro-2-methylphenol	20	U	80.0	95.2		ug/L		119	65 - 145	6	30
4-Bromophenyl phenyl ether	10	U	40.0	44.4		ug/L		111	59 - 132	10	30
4-Chloro-3-methylphenol	10	U	40.0	41.2		ug/L		103	54 - 120	7	30
4-Chloroaniline	10	U	40.0	18.9		ug/L		47	43 - 120	4	30
4-Chlorophenyl phenyl ether	10	U	40.0	45.3		ug/L		113	65 - 127	8	30
4-Methylphenol	0.83	J	40.0	30.5		ug/L		74	28 - 120	15	30
4-Nitroaniline	10	U	40.0	40.8		ug/L		102	57 - 135	9	30
4-Nitrophenol	20	U	80.0	41.0		ug/L		51	10 - 120	24	30
Acenaphthene	5.6	J	40.0	50.6		ug/L		112	62 - 127	11	30
Acenaphthylene	10	U	40.0	47.0		ug/L		117	58 - 122	10	30
Acetophenone	10	U	40.0	46.1		ug/L		115	65 - 125	6	30
Anthracene	2.8	J	40.0	48.0		ug/L		113	67 - 127	8	30
Atrazine	2.0	U *	40.0	66.6	E *	ug/L		167	13 - 150	0	30
Benzaldehyde	10	U *	40.0	63.4	E *	ug/L		158	10 - 150	9	30
Benzo[a]anthracene	1.0	U	40.0	45.7		ug/L		114	71 - 131	9	30
Benzo[a]pyrene	1.0	U	40.0	52.2		ug/L		130	75 - 148	7	30
Benzo[b]fluoranthene	2.0	U	40.0	48.7		ug/L		122	70 - 140	8	30
Benzo[g,h,i]perylene	10	U	40.0	49.5		ug/L		124	52 - 143	10	30
Benzo[k]fluoranthene	1.0	U	40.0	47.3		ug/L		118	71 - 140	8	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1017857

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	10	U	40.0	45.4		ug/L		114	63 - 122	7	30
Bis(2-chloroethyl)ether	1.0	U	40.0	44.1		ug/L		110	61 - 125	7	30
Bis(2-ethylhexyl) phthalate	2.0	U	40.0	49.6		ug/L		124	65 - 144	8	30
Butyl benzyl phthalate	10	U	40.0	48.1		ug/L		120	67 - 141	10	30
Caprolactam	10	U	40.0	13.4		ug/L		34	10 - 120	5	30
Carbazole	7.2	J	40.0	53.5		ug/L		116	68 - 132	10	30
Chrysene	2.0	U	40.0	45.8		ug/L		114	70 - 132	9	30
Dibenz(a,h)anthracene	1.0	U	40.0	46.1		ug/L		115	53 - 150	11	30
Dibenzofuran	5.4	J	40.0	50.3		ug/L		112	64 - 125	9	30
Diethyl phthalate	10	U	40.0	44.9		ug/L		112	67 - 131	8	30
Dimethyl phthalate	10	U	40.0	46.2		ug/L		115	67 - 129	8	30
Di-n-butyl phthalate	10	U	40.0	46.1		ug/L		115	71 - 139	9	30
Di-n-octyl phthalate	10	U	40.0	49.1		ug/L		123	51 - 150	11	30
Fluoranthene	4.2	J	40.0	53.0		ug/L		122	69 - 137	11	30
Fluorene	8.5	J	40.0	55.0		ug/L		116	67 - 125	9	30
Hexachlorobenzene	1.0	U	40.0	44.8		ug/L		112	62 - 135	10	30
Hexachlorobutadiene	1.0	U	40.0	42.9		ug/L		107	10 - 147	9	30
Hexachlorocyclopentadiene	10	U *	40.0	51.7		ug/L		129	10 - 135	9	30
Hexachloroethane	2.0	U	40.0	43.4		ug/L		108	10 - 138	8	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	48.4		ug/L		121	59 - 150	10	30
Isophorone	10	U	40.0	47.5		ug/L		119	65 - 128	6	30
Naphthalene	21		40.0	64.8		ug/L		109	39 - 126	16	30
Nitrobenzene	1.0	U	40.0	46.8		ug/L		117	66 - 127	7	30
N-Nitrosodi-n-propylamine	1.0	U	40.0	46.9		ug/L		117	63 - 133	7	30
N-Nitrosodiphenylamine	10	U	40.0	46.0		ug/L		115	66 - 128	8	30
Pentachlorophenol	20	U	80.0	91.0		ug/L		114	60 - 140	7	30
Phenanthrene	18		40.0	61.4		ug/L		109	68 - 126	14	30
Phenol	0.94	J	40.0	16.7		ug/L		40	10 - 80	19	30
Pyrene	2.8	J	40.0	48.0		ug/L		113	60 - 137	10	30

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2,4,6-Tribromophenol (Surr)	97		37 - 150
2-Fluorobiphenyl	99		46 - 139
2-Fluorophenol (Surr)	53		16 - 80
Nitrobenzene-d5 (Surr)	103		51 - 145
Phenol-d5 (Surr)	34		10 - 56
Terphenyl-d14 (Surr)	41		13 - 159

Lab Sample ID: MB 460-1018383/1-A

Matrix: Water

Analysis Batch: 1018391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		01/28/25 10:02	01/28/25 12:21	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		01/28/25 10:02	01/28/25 12:21	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		01/28/25 10:02	01/28/25 12:21	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		01/28/25 10:02	01/28/25 12:21	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		01/28/25 10:02	01/28/25 12:21	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018383/1-A

Matrix: Water

Analysis Batch: 1018391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		01/28/25 10:02	01/28/25 12:21	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		01/28/25 10:02	01/28/25 12:21	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		01/28/25 10:02	01/28/25 12:21	1
2,4-Dinitrophenol	40	U	40	11	ug/L		01/28/25 10:02	01/28/25 12:21	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		01/28/25 10:02	01/28/25 12:21	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		01/28/25 10:02	01/28/25 12:21	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		01/28/25 10:02	01/28/25 12:21	1
2-Chlorophenol	10	U	10	0.95	ug/L		01/28/25 10:02	01/28/25 12:21	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		01/28/25 10:02	01/28/25 12:21	1
2-Methylphenol	10	U	10	0.67	ug/L		01/28/25 10:02	01/28/25 12:21	1
2-Nitroaniline	10	U	10	1.2	ug/L		01/28/25 10:02	01/28/25 12:21	1
2-Nitrophenol	10	U	10	0.75	ug/L		01/28/25 10:02	01/28/25 12:21	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		01/28/25 10:02	01/28/25 12:21	1
3-Nitroaniline	10	U	10	1.9	ug/L		01/28/25 10:02	01/28/25 12:21	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		01/28/25 10:02	01/28/25 12:21	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		01/28/25 10:02	01/28/25 12:21	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		01/28/25 10:02	01/28/25 12:21	1
4-Chloroaniline	10	U	10	1.9	ug/L		01/28/25 10:02	01/28/25 12:21	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		01/28/25 10:02	01/28/25 12:21	1
4-Methylphenol	10	U	10	0.65	ug/L		01/28/25 10:02	01/28/25 12:21	1
4-Nitroaniline	10	U	10	1.2	ug/L		01/28/25 10:02	01/28/25 12:21	1
4-Nitrophenol	20	U	20	4.0	ug/L		01/28/25 10:02	01/28/25 12:21	1
Acenaphthene	10	U	10	1.1	ug/L		01/28/25 10:02	01/28/25 12:21	1
Acenaphthylene	10	U	10	0.82	ug/L		01/28/25 10:02	01/28/25 12:21	1
Acetophenone	10	U	10	2.3	ug/L		01/28/25 10:02	01/28/25 12:21	1
Anthracene	10	U	10	1.3	ug/L		01/28/25 10:02	01/28/25 12:21	1
Atrazine	2.0	U	2.0	1.3	ug/L		01/28/25 10:02	01/28/25 12:21	1
Benzaldehyde	10	U	10	2.1	ug/L		01/28/25 10:02	01/28/25 12:21	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/28/25 10:02	01/28/25 12:21	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/28/25 10:02	01/28/25 12:21	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/28/25 10:02	01/28/25 12:21	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		01/28/25 10:02	01/28/25 12:21	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/28/25 10:02	01/28/25 12:21	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		01/28/25 10:02	01/28/25 12:21	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		01/28/25 10:02	01/28/25 12:21	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		01/28/25 10:02	01/28/25 12:21	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		01/28/25 10:02	01/28/25 12:21	1
Caprolactam	10	U	10	2.2	ug/L		01/28/25 10:02	01/28/25 12:21	1
Carbazole	10	U	10	0.68	ug/L		01/28/25 10:02	01/28/25 12:21	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/28/25 10:02	01/28/25 12:21	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/28/25 10:02	01/28/25 12:21	1
Dibenzofuran	10	U	10	1.1	ug/L		01/28/25 10:02	01/28/25 12:21	1
Diethyl phthalate	10	U	10	0.98	ug/L		01/28/25 10:02	01/28/25 12:21	1
Dimethyl phthalate	10	U	10	0.77	ug/L		01/28/25 10:02	01/28/25 12:21	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		01/28/25 10:02	01/28/25 12:21	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		01/28/25 10:02	01/28/25 12:21	1
Fluoranthene	10	U	10	0.84	ug/L		01/28/25 10:02	01/28/25 12:21	1
Fluorene	10	U	10	0.91	ug/L		01/28/25 10:02	01/28/25 12:21	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		01/28/25 10:02	01/28/25 12:21	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018383/1-A

Matrix: Water

Analysis Batch: 1018391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		01/28/25 10:02	01/28/25 12:21	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		01/28/25 10:02	01/28/25 12:21	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		01/28/25 10:02	01/28/25 12:21	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/28/25 10:02	01/28/25 12:21	1
Isophorone	10	U	10	0.80	ug/L		01/28/25 10:02	01/28/25 12:21	1
Naphthalene	2.0	U	2.0	0.54	ug/L		01/28/25 10:02	01/28/25 12:21	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		01/28/25 10:02	01/28/25 12:21	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		01/28/25 10:02	01/28/25 12:21	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		01/28/25 10:02	01/28/25 12:21	1
Pentachlorophenol	20	U	20	6.6	ug/L		01/28/25 10:02	01/28/25 12:21	1
Phenanthrene	10	U	10	1.3	ug/L		01/28/25 10:02	01/28/25 12:21	1
Phenol	10	U	10	0.29	ug/L		01/28/25 10:02	01/28/25 12:21	1
Pyrene	10	U	10	1.6	ug/L		01/28/25 10:02	01/28/25 12:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		37 - 150	01/28/25 10:02	01/28/25 12:21	1
2-Fluorobiphenyl	89		46 - 139	01/28/25 10:02	01/28/25 12:21	1
2-Fluorophenol (Surr)	46		16 - 80	01/28/25 10:02	01/28/25 12:21	1
Nitrobenzene-d5 (Surr)	97		51 - 145	01/28/25 10:02	01/28/25 12:21	1
Phenol-d5 (Surr)	29		10 - 56	01/28/25 10:02	01/28/25 12:21	1
Terphenyl-d14 (Surr)	85		13 - 159	01/28/25 10:02	01/28/25 12:21	1

Lab Sample ID: LCS 460-1018383/2-A

Matrix: Water

Analysis Batch: 1018391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1018383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	69.4		ug/L		87	52 - 129
1,2,4,5-Tetrachlorobenzene	80.0	67.0		ug/L		84	40 - 136
2,2'-oxybis[1-chloropropane]	80.0	68.2		ug/L		85	47 - 133
2,3,4,6-Tetrachlorophenol	80.0	75.0		ug/L		94	63 - 131
2,4,5-Trichlorophenol	80.0	69.5		ug/L		87	63 - 124
2,4,6-Trichlorophenol	80.0	70.4		ug/L		88	66 - 131
2,4-Dichlorophenol	80.0	66.9		ug/L		84	60 - 120
2,4-Dimethylphenol	80.0	75.4		ug/L		94	37 - 120
2,4-Dinitrophenol	160	145		ug/L		90	50 - 148
2,4-Dinitrotoluene	80.0	83.1		ug/L		104	71 - 142
2,6-Dinitrotoluene	80.0	78.9		ug/L		99	71 - 136
2-Chloronaphthalene	80.0	67.3		ug/L		84	50 - 129
2-Chlorophenol	80.0	58.6		ug/L		73	49 - 120
2-Methylnaphthalene	80.0	63.7		ug/L		80	42 - 134
2-Methylphenol	80.0	53.3		ug/L		67	35 - 120
2-Nitroaniline	80.0	72.7		ug/L		91	57 - 134
2-Nitrophenol	80.0	65.7		ug/L		82	62 - 124
3,3'-Dichlorobenzidine	80.0	63.0		ug/L		79	55 - 145
3-Nitroaniline	80.0	62.8		ug/L		79	51 - 120
4,6-Dinitro-2-methylphenol	160	144		ug/L		90	65 - 145
4-Bromophenyl phenyl ether	80.0	68.8		ug/L		86	59 - 132

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018383/2-A

Matrix: Water

Analysis Batch: 1018391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1018383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloro-3-methylphenol	80.0	68.3		ug/L		85	54 - 120
4-Chloroaniline	80.0	62.4		ug/L		78	43 - 120
4-Chlorophenyl phenyl ether	80.0	75.1		ug/L		94	65 - 127
4-Methylphenol	80.0	49.0		ug/L		61	28 - 120
4-Nitroaniline	80.0	77.3		ug/L		97	57 - 135
4-Nitrophenol	160	77.0		ug/L		48	10 - 120
Acenaphthene	80.0	70.5		ug/L		88	62 - 127
Acenaphthylene	80.0	74.8		ug/L		94	58 - 122
Acetophenone	80.0	73.4		ug/L		92	65 - 125
Anthracene	80.0	72.1		ug/L		90	67 - 127
Atrazine	40.0	50.8		ug/L		127	13 - 150
Benzaldehyde	40.0	43.4		ug/L		109	10 - 150
Benzo[a]anthracene	80.0	71.0		ug/L		89	71 - 131
Benzo[a]pyrene	80.0	82.6		ug/L		103	75 - 148
Benzo[b]fluoranthene	80.0	75.7		ug/L		95	70 - 140
Benzo[g,h,i]perylene	80.0	69.2		ug/L		87	52 - 143
Benzo[k]fluoranthene	80.0	78.7		ug/L		98	71 - 140
Bis(2-chloroethoxy)methane	80.0	71.4		ug/L		89	63 - 122
Bis(2-chloroethyl)ether	80.0	68.8		ug/L		86	61 - 125
Bis(2-ethylhexyl) phthalate	80.0	79.8		ug/L		100	65 - 144
Butyl benzyl phthalate	80.0	74.2		ug/L		93	67 - 141
Caprolactam	40.0	10.5		ug/L		26	10 - 120
Carbazole	80.0	74.2		ug/L		93	68 - 132
Chrysene	80.0	70.3		ug/L		88	70 - 132
Dibenz(a,h)anthracene	80.0	68.0		ug/L		85	53 - 150
Dibenzofuran	80.0	72.1		ug/L		90	64 - 125
Diethyl phthalate	80.0	77.3		ug/L		97	67 - 131
Dimethyl phthalate	80.0	76.2		ug/L		95	67 - 129
Di-n-butyl phthalate	80.0	75.6		ug/L		94	71 - 139
Di-n-octyl phthalate	80.0	83.3		ug/L		104	51 - 150
Fluoranthene	80.0	78.0		ug/L		97	69 - 137
Fluorene	80.0	76.9		ug/L		96	67 - 125
Hexachlorobenzene	80.0	71.0		ug/L		89	62 - 135
Hexachlorobutadiene	80.0	66.0		ug/L		82	10 - 147
Hexachlorocyclopentadiene	80.0	87.1		ug/L		109	10 - 135
Hexachloroethane	80.0	62.8		ug/L		78	10 - 138
Indeno[1,2,3-cd]pyrene	80.0	68.9		ug/L		86	59 - 150
Isophorone	80.0	75.1		ug/L		94	65 - 128
Naphthalene	80.0	67.4		ug/L		84	39 - 126
Nitrobenzene	80.0	74.9		ug/L		94	66 - 127
N-Nitrosodi-n-propylamine	80.0	76.7		ug/L		96	63 - 133
N-Nitrosodiphenylamine	80.0	68.1		ug/L		85	66 - 128
Pentachlorophenol	160	147		ug/L		92	60 - 140
Phenanthrene	80.0	69.9		ug/L		87	68 - 126
Phenol	80.0	27.0		ug/L		34	10 - 80
Pyrene	80.0	69.0		ug/L		86	60 - 137

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018383/2-A

Matrix: Water

Analysis Batch: 1018391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1018383

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	95		37 - 150
2-Fluorobiphenyl	80		46 - 139
2-Fluorophenol (Surr)	44		16 - 80
Nitrobenzene-d5 (Surr)	84		51 - 145
Phenol-d5 (Surr)	31		10 - 56
Terphenyl-d14 (Surr)	65		13 - 159

Lab Sample ID: LCSD 460-1018383/3-A

Matrix: Water

Analysis Batch: 1018391

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1018383

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	84.7		ug/L		106	52 - 129	20	30
1,2,4,5-Tetrachlorobenzene	80.0	80.9		ug/L		101	40 - 136	19	30
2,2'-oxybis[1-chloropropane]	80.0	83.1		ug/L		104	47 - 133	20	30
2,3,4,6-Tetrachlorophenol	80.0	91.7		ug/L		115	63 - 131	20	30
2,4,5-Trichlorophenol	80.0	86.6		ug/L		108	63 - 124	22	30
2,4,6-Trichlorophenol	80.0	86.4		ug/L		108	66 - 131	20	30
2,4-Dichlorophenol	80.0	81.8		ug/L		102	60 - 120	20	30
2,4-Dimethylphenol	80.0	93.1		ug/L		116	37 - 120	21	30
2,4-Dinitrophenol	160	178		ug/L		112	50 - 148	21	30
2,4-Dinitrotoluene	80.0	102		ug/L		127	71 - 142	20	30
2,6-Dinitrotoluene	80.0	96.0		ug/L		120	71 - 136	20	30
2-Chloronaphthalene	80.0	82.3		ug/L		103	50 - 129	20	30
2-Chlorophenol	80.0	70.8		ug/L		88	49 - 120	19	30
2-Methylnaphthalene	80.0	78.4		ug/L		98	42 - 134	21	30
2-Methylphenol	80.0	65.0		ug/L		81	35 - 120	20	30
2-Nitroaniline	80.0	89.5		ug/L		112	57 - 134	21	30
2-Nitrophenol	80.0	81.6		ug/L		102	62 - 124	22	30
3,3'-Dichlorobenzidine	80.0	74.7		ug/L		93	55 - 145	17	30
3-Nitroaniline	80.0	75.9		ug/L		95	51 - 120	19	30
4,6-Dinitro-2-methylphenol	160	179		ug/L		112	65 - 145	21	30
4-Bromophenyl phenyl ether	80.0	83.8		ug/L		105	59 - 132	20	30
4-Chloro-3-methylphenol	80.0	85.5		ug/L		107	54 - 120	22	30
4-Chloroaniline	80.0	75.8		ug/L		95	43 - 120	19	30
4-Chlorophenyl phenyl ether	80.0	91.6		ug/L		115	65 - 127	20	30
4-Methylphenol	80.0	58.5		ug/L		73	28 - 120	18	30
4-Nitroaniline	80.0	93.4		ug/L		117	57 - 135	19	30
4-Nitrophenol	160	96.4		ug/L		60	10 - 120	22	30
Acenaphthene	80.0	85.8		ug/L		107	62 - 127	20	30
Acenaphthylene	80.0	90.7		ug/L		113	58 - 122	19	30
Acetophenone	80.0	88.4		ug/L		111	65 - 125	19	30
Anthracene	80.0	86.7		ug/L		108	67 - 127	18	30
Atrazine	40.0	63.0 *		ug/L		158	13 - 150	22	30
Benzaldehyde	40.0	51.9		ug/L		130	10 - 150	18	30
Benzo[a]anthracene	80.0	85.5		ug/L		107	71 - 131	19	30
Benzo[a]pyrene	80.0	100		ug/L		125	75 - 148	19	30
Benzo[b]fluoranthene	80.0	92.9		ug/L		116	70 - 140	20	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018383/3-A

Matrix: Water

Analysis Batch: 1018391

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1018383

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[g,h,i]perylene	80.0	85.1		ug/L		106	52 - 143	21	30
Benzo[k]fluoranthene	80.0	97.2		ug/L		122	71 - 140	21	30
Bis(2-chloroethoxy)methane	80.0	88.2		ug/L		110	63 - 122	21	30
Bis(2-chloroethyl)ether	80.0	83.7		ug/L		105	61 - 125	20	30
Bis(2-ethylhexyl) phthalate	80.0	97.5		ug/L		122	65 - 144	20	30
Butyl benzyl phthalate	80.0	90.6		ug/L		113	67 - 141	20	30
Caprolactam	40.0	13.2		ug/L		33	10 - 120	23	30
Carbazole	80.0	91.0		ug/L		114	68 - 132	20	30
Chrysene	80.0	83.2		ug/L		104	70 - 132	17	30
Dibenz(a,h)anthracene	80.0	85.7		ug/L		107	53 - 150	23	30
Dibenzofuran	80.0	87.3		ug/L		109	64 - 125	19	30
Diethyl phthalate	80.0	94.2		ug/L		118	67 - 131	20	30
Dimethyl phthalate	80.0	92.3		ug/L		115	67 - 129	19	30
Di-n-butyl phthalate	80.0	91.7		ug/L		115	71 - 139	19	30
Di-n-octyl phthalate	80.0	103		ug/L		129	51 - 150	21	30
Fluoranthene	80.0	95.6		ug/L		119	69 - 137	20	30
Fluorene	80.0	93.0		ug/L		116	67 - 125	19	30
Hexachlorobenzene	80.0	86.0		ug/L		107	62 - 135	19	30
Hexachlorobutadiene	80.0	82.9		ug/L		104	10 - 147	23	30
Hexachlorocyclopentadiene	80.0	107		ug/L		133	10 - 135	20	30
Hexachloroethane	80.0	77.7		ug/L		97	10 - 138	21	30
Indeno[1,2,3-cd]pyrene	80.0	85.6		ug/L		107	59 - 150	22	30
Isophorone	80.0	92.5		ug/L		116	65 - 128	21	30
Naphthalene	80.0	83.0		ug/L		104	39 - 126	21	30
Nitrobenzene	80.0	89.7		ug/L		112	66 - 127	18	30
N-Nitrosodi-n-propylamine	80.0	92.9		ug/L		116	63 - 133	19	30
N-Nitrosodiphenylamine	80.0	83.6		ug/L		105	66 - 128	21	30
Pentachlorophenol	160	180		ug/L		112	60 - 140	20	30
Phenanthrene	80.0	85.3		ug/L		107	68 - 126	20	30
Phenol	80.0	33.0		ug/L		41	10 - 80	20	30
Pyrene	80.0	83.7		ug/L		105	60 - 137	19	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	114		37 - 150
2-Fluorobiphenyl	98		46 - 139
2-Fluorophenol (Surr)	54		16 - 80
Nitrobenzene-d5 (Surr)	102		51 - 145
Phenol-d5 (Surr)	37		10 - 56
Terphenyl-d14 (Surr)	78		13 - 159

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-1017773/1-A

Matrix: Water

Analysis Batch: 1017842

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1017773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		01/23/25 10:06	01/23/25 23:25	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	41		10 - 150	01/23/25 10:06	01/23/25 23:25	1

Lab Sample ID: LCS 460-1017773/2-A
Matrix: Water
Analysis Batch: 1017842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1017773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.60	1.31		ug/L		82	42 - 142
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	37		10 - 150				

Lab Sample ID: LCSD 460-1017773/3-A
Matrix: Water
Analysis Batch: 1017842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1017773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	1.60	1.37		ug/L		85	42 - 142	4	20
Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits						
1,4-Dioxane-d8	43		10 - 150						

Lab Sample ID: 460-319158-2 MS
Matrix: Water
Analysis Batch: 1017842

Client Sample ID: MW-01_20250122
Prep Type: Total/NA
Prep Batch: 1017773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.30		1.60	1.65		ug/L		84	42 - 142
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
1,4-Dioxane-d8	35		10 - 150						

Lab Sample ID: 460-319158-2 MSD
Matrix: Water
Analysis Batch: 1017842

Client Sample ID: MW-01_20250122
Prep Type: Total/NA
Prep Batch: 1017773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.30		1.60	1.78		ug/L		92	42 - 142	8	20
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
1,4-Dioxane-d8	40		10 - 150								

Lab Sample ID: MB 460-1018363/1-A
Matrix: Water
Analysis Batch: 1018435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.072	ug/L		01/28/25 08:17	01/28/25 23:21	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,4-Dioxane-d8	38		10 - 150	01/28/25 08:17	01/28/25 23:21	1			

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCS 460-1018363/2-A
Matrix: Water
Analysis Batch: 1018435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018363

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
1,4-Dioxane			1.60	1.20		ug/L		75	42 - 142	
		LCS	LCS							
Isotope Dilution		%Recovery	Qualifier	Limits						
1,4-Dioxane-d8		36		10 - 150						

Lab Sample ID: LCSD 460-1018363/3-A
Matrix: Water
Analysis Batch: 1018435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018363

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1,4-Dioxane			1.60	1.47		ug/L		92	42 - 142	20	20
		LCSD	LCSD								
Isotope Dilution		%Recovery	Qualifier	Limits							
1,4-Dioxane-d8		27		10 - 150							

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 460-1018883/1-A
Matrix: Water
Analysis Batch: 1018959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018883

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	100	U	100	28	ug/L		01/30/25 20:25	01/31/25 09:36	1
ORO (C28-C44)	100	U	100	31	ug/L		01/30/25 20:25	01/31/25 09:36	1
		MB	MB						
Surrogate		%Recovery	Qualifier	Limits					
o-Terphenyl		62		15 - 150					
					Prepared		Analyzed	Dil Fac	
					01/30/25 20:25		01/31/25 09:36	1	

Lab Sample ID: LCS 460-1018883/2-A
Matrix: Water
Analysis Batch: 1018959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018883

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]			900	543		ug/L		60	27 - 150	
ORO (C28-C44)			500	191		ug/L		38	18 - 120	
		LCS	LCS							
Surrogate		%Recovery	Qualifier	Limits						
o-Terphenyl		69		15 - 150						

Lab Sample ID: LCSD 460-1018883/3-A
Matrix: Water
Analysis Batch: 1018959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018883

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics [C10-C28]			900	642		ug/L		71	27 - 150	17	30
ORO (C28-C44)			500	185		ug/L		37	18 - 120	3	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	87		15 - 150

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1017868/1-A

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1017868

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 06:12	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 06:12	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 06:12	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 06:12	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 06:12	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 06:12	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 06:12	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 06:12	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/23/25 20:22	01/24/25 06:12	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/23/25 20:22	01/24/25 06:12	1
beta-BHC	0.020	U	0.020	0.015	ug/L		01/23/25 20:22	01/24/25 06:12	1
beta-BHC	0.020	U	0.020	0.015	ug/L		01/23/25 20:22	01/24/25 06:12	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/23/25 20:22	01/24/25 06:12	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/23/25 20:22	01/24/25 06:12	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 06:12	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 06:12	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 06:12	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 06:12	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/23/25 20:22	01/24/25 06:12	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/23/25 20:22	01/24/25 06:12	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/23/25 20:22	01/24/25 06:12	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 06:12	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/23/25 20:22	01/24/25 06:12	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 06:12	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/23/25 20:22	01/24/25 06:12	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 06:12	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/23/25 20:22	01/24/25 06:12	1
Toxaphene	0.50	U	0.50	0.11	ug/L		01/23/25 20:22	01/24/25 06:12	1
Toxaphene	0.50	U	0.50	0.11	ug/L		01/23/25 20:22	01/24/25 06:12	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1017868/1-A

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1017868

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		30 - 131	01/23/25 20:22	01/24/25 06:12	1
DCB Decachlorobiphenyl	55		30 - 131	01/23/25 20:22	01/24/25 06:12	1
Tetrachloro-m-xylene	76		34 - 120	01/23/25 20:22	01/24/25 06:12	1
Tetrachloro-m-xylene	75		34 - 120	01/23/25 20:22	01/24/25 06:12	1

Lab Sample ID: LCS 460-1017868/2-A

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1017868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.800	0.635		ug/L		79	69 - 138
4,4'-DDD	0.800	0.649		ug/L		81	69 - 138
4,4'-DDE	0.800	0.705		ug/L		88	68 - 130
4,4'-DDE	0.800	0.667		ug/L		83	68 - 130
4,4'-DDT	0.800	0.785		ug/L		98	57 - 1505
4,4'-DDT	0.800	0.676		ug/L		85	57 - 1505
Aldrin	0.800	0.688		ug/L		86	67 - 129
Aldrin	0.800	0.645		ug/L		81	67 - 129
alpha-BHC	0.800	0.643		ug/L		80	70 - 125
alpha-BHC	0.800	0.632		ug/L		79	70 - 125
beta-BHC	0.800	0.648		ug/L		81	70 - 129
beta-BHC	0.800	0.617		ug/L		77	70 - 129
delta-BHC	0.800	0.451		ug/L		56	44 - 120
delta-BHC	0.800	0.448		ug/L		56	44 - 120
Dieldrin	0.800	0.708		ug/L		88	72 - 128
Dieldrin	0.800	0.657		ug/L		82	72 - 128
Endosulfan I	0.800	0.701		ug/L		88	73 - 127
Endosulfan I	0.800	0.663		ug/L		83	73 - 127
Endosulfan II	0.800	0.686		ug/L		86	73 - 134
Endosulfan II	0.800	0.686		ug/L		86	73 - 134
Endosulfan sulfate	0.800	0.603		ug/L		75	61 - 128
Endosulfan sulfate	0.800	0.558		ug/L		70	61 - 128
Endrin	0.800	0.719		ug/L		90	64 - 138
Endrin	0.800	0.654		ug/L		82	64 - 138
Endrin aldehyde	0.800	0.658		ug/L		82	74 - 133
Endrin aldehyde	0.800	0.634		ug/L		79	74 - 133
Endrin ketone	0.800	0.677		ug/L		85	56 - 150
Endrin ketone	0.800	0.636		ug/L		79	56 - 150
gamma-BHC (Lindane)	0.800	0.676		ug/L		85	73 - 132
gamma-BHC (Lindane)	0.800	0.649		ug/L		81	73 - 132
Heptachlor	0.800	0.702		ug/L		88	70 - 134
Heptachlor	0.800	0.660		ug/L		82	70 - 134
Heptachlor epoxide	0.800	0.696		ug/L		87	75 - 126
Heptachlor epoxide	0.800	0.641		ug/L		80	75 - 126
Methoxychlor	0.800	0.870		ug/L		109	49 - 150
Methoxychlor	0.800	0.697		ug/L		87	49 - 150

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1017868/2-A

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1017868

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	53		30 - 131
DCB Decachlorobiphenyl	55		30 - 131
Tetrachloro-m-xylene	72		34 - 120
Tetrachloro-m-xylene	82		34 - 120

Lab Sample ID: LCSD 460-1017868/3-A

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1017868

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.800	0.616		ug/L		77	69 - 138	3	30
4,4'-DDD	0.800	0.668		ug/L		83	69 - 138	3	30
4,4'-DDE	0.800	0.708		ug/L		89	68 - 130	0	30
4,4'-DDE	0.800	0.695		ug/L		87	68 - 130	4	30
4,4'-DDT	0.800	0.684		ug/L		86	57 - 1505	14	30
4,4'-DDT	0.800	0.664		ug/L		83	57 - 1505	2	30
Aldrin	0.800	0.692		ug/L		86	67 - 129	1	30
Aldrin	0.800	0.664		ug/L		83	67 - 129	3	30
alpha-BHC	0.800	0.670		ug/L		84	70 - 125	4	30
alpha-BHC	0.800	0.644		ug/L		80	70 - 125	2	30
beta-BHC	0.800	0.672		ug/L		84	70 - 129	4	30
beta-BHC	0.800	0.635		ug/L		79	70 - 129	3	30
delta-BHC	0.800	0.458		ug/L		57	44 - 120	2	30
delta-BHC	0.800	0.461		ug/L		58	44 - 120	3	30
Dieldrin	0.800	0.707		ug/L		88	72 - 128	0	30
Dieldrin	0.800	0.681		ug/L		85	72 - 128	4	30
Endosulfan I	0.800	0.704		ug/L		88	73 - 127	0	30
Endosulfan I	0.800	0.705		ug/L		88	73 - 127	6	30
Endosulfan II	0.800	0.698		ug/L		87	73 - 134	2	30
Endosulfan II	0.800	0.716		ug/L		89	73 - 134	4	30
Endosulfan sulfate	0.800	0.597		ug/L		75	61 - 128	1	30
Endosulfan sulfate	0.800	0.574		ug/L		72	61 - 128	3	30
Endrin	0.800	0.674		ug/L		84	64 - 138	6	30
Endrin	0.800	0.656		ug/L		82	64 - 138	0	30
Endrin aldehyde	0.800	0.668		ug/L		83	74 - 133	2	30
Endrin aldehyde	0.800	0.661		ug/L		83	74 - 133	4	30
Endrin ketone	0.800	0.688		ug/L		86	56 - 150	2	30
Endrin ketone	0.800	0.661		ug/L		83	56 - 150	4	30
gamma-BHC (Lindane)	0.800	0.695		ug/L		87	73 - 132	3	30
gamma-BHC (Lindane)	0.800	0.661		ug/L		83	73 - 132	2	30
Heptachlor	0.800	0.693		ug/L		87	70 - 134	1	30
Heptachlor	0.800	0.664		ug/L		83	70 - 134	1	30
Heptachlor epoxide	0.800	0.700		ug/L		87	75 - 126	0	30
Heptachlor epoxide	0.800	0.665		ug/L		83	75 - 126	4	30
Methoxychlor	0.800	0.697		ug/L		87	49 - 150	22	30
Methoxychlor	0.800	0.664		ug/L		83	49 - 150	5	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1017868/3-A

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1017868

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	55		30 - 131
DCB Decachlorobiphenyl	55		30 - 131
Tetrachloro-m-xylene	74		34 - 120
Tetrachloro-m-xylene	82		34 - 120

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.020	U	0.800	0.805		ug/L		101	69 - 138
4,4'-DDD	0.020	U	0.800	0.835		ug/L		104	69 - 138
4,4'-DDE	0.020	U	0.800	0.871		ug/L		109	68 - 130
4,4'-DDE	0.020	U	0.800	0.838		ug/L		105	68 - 130
4,4'-DDT	0.020	U	0.800	0.926		ug/L		116	57 - 150
4,4'-DDT	0.020	U	0.800	0.848		ug/L		106	57 - 150
Aldrin	0.020	U	0.800	0.803		ug/L		100	67 - 129
Aldrin	0.020	U	0.800	0.775		ug/L		97	67 - 129
alpha-BHC	0.020	U	0.800	0.815		ug/L		102	70 - 125
alpha-BHC	0.020	U	0.800	0.782		ug/L		98	70 - 125
beta-BHC	0.020	U	0.800	0.777		ug/L		97	70 - 129
beta-BHC	0.020	U	0.800	0.709		ug/L		89	70 - 129
delta-BHC	0.020	U	0.800	0.729		ug/L		91	44 - 120
delta-BHC	0.020	U	0.800	0.702		ug/L		88	44 - 120
Dieldrin	0.020	U	0.800	0.877		ug/L		110	72 - 128
Dieldrin	0.020	U	0.800	0.826		ug/L		103	72 - 128
Endosulfan I	0.020	U	0.800	0.864		ug/L		108	73 - 127
Endosulfan I	0.020	U	0.800	0.843		ug/L		105	73 - 127
Endosulfan II	0.020	U	0.800	0.845		ug/L		106	73 - 134
Endosulfan II	0.020	U	0.800	0.863		ug/L		108	73 - 134
Endosulfan sulfate	0.020	U	0.800	0.767		ug/L		96	61 - 128
Endosulfan sulfate	0.020	U	0.800	0.716		ug/L		90	61 - 128
Endrin	0.020	U	0.800	0.866		ug/L		108	64 - 138
Endrin	0.020	U	0.800	0.815		ug/L		102	64 - 138
Endrin aldehyde	0.020	U	0.800	0.595		ug/L		74	74 - 133
Endrin aldehyde	0.020	U	0.800	0.622		ug/L		78	74 - 133
Endrin ketone	0.020	U	0.800	0.831		ug/L		104	56 - 150
Endrin ketone	0.020	U	0.800	0.793		ug/L		99	56 - 150
gamma-BHC (Lindane)	0.020	U	0.800	0.851		ug/L		106	73 - 132
gamma-BHC (Lindane)	0.020	U	0.800	0.793		ug/L		99	73 - 132
Heptachlor	0.020	U	0.800	0.781		ug/L		98	70 - 134
Heptachlor	0.020	U	0.800	0.787		ug/L		98	70 - 134
Heptachlor epoxide	0.020	U	0.800	0.858		ug/L		107	75 - 126
Heptachlor epoxide	0.020	U	0.800	0.798		ug/L		100	75 - 126
Methoxychlor	0.020	U	0.800	0.983		ug/L		123	49 - 150
Methoxychlor	0.020	U	0.800	0.865		ug/L		108	49 - 150

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017868

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	71		30 - 131
DCB Decachlorobiphenyl	69		30 - 131
Tetrachloro-m-xylene	74		34 - 120
Tetrachloro-m-xylene	79		34 - 120

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.020	U	0.800	0.829		ug/L		104	69 - 138	3	30
4,4'-DDD	0.020	U	0.800	0.852		ug/L		106	69 - 138	2	30
4,4'-DDE	0.020	U	0.800	0.907		ug/L		113	68 - 130	4	30
4,4'-DDE	0.020	U	0.800	0.850		ug/L		106	68 - 130	1	30
4,4'-DDT	0.020	U	0.800	0.967		ug/L		121	57 - 150	4	30
4,4'-DDT	0.020	U	0.800	0.862		ug/L		108	57 - 150	2	30
Aldrin	0.020	U	0.800	0.828		ug/L		104	67 - 129	3	30
Aldrin	0.020	U	0.800	0.778		ug/L		97	67 - 129	0	30
alpha-BHC	0.020	U	0.800	0.829		ug/L		104	70 - 125	2	30
alpha-BHC	0.020	U	0.800	0.778		ug/L		97	70 - 125	1	30
beta-BHC	0.020	U	0.800	0.773		ug/L		97	70 - 129	1	30
beta-BHC	0.020	U	0.800	0.708		ug/L		89	70 - 129	0	30
delta-BHC	0.020	U	0.800	0.754		ug/L		94	44 - 120	4	30
delta-BHC	0.020	U	0.800	0.718		ug/L		90	44 - 120	2	30
Dieldrin	0.020	U	0.800	0.911		ug/L		114	72 - 128	4	30
Dieldrin	0.020	U	0.800	0.842		ug/L		105	72 - 128	2	30
Endosulfan I	0.020	U	0.800	0.884		ug/L		110	73 - 127	2	30
Endosulfan I	0.020	U	0.800	0.856		ug/L		107	73 - 127	2	30
Endosulfan II	0.020	U	0.800	0.867		ug/L		108	73 - 134	3	30
Endosulfan II	0.020	U	0.800	0.874		ug/L		109	73 - 134	1	30
Endosulfan sulfate	0.020	U	0.800	0.809		ug/L		101	61 - 128	5	30
Endosulfan sulfate	0.020	U	0.800	0.738		ug/L		92	61 - 128	3	30
Endrin	0.020	U	0.800	0.914		ug/L		114	64 - 138	5	30
Endrin	0.020	U	0.800	0.828		ug/L		104	64 - 138	2	30
Endrin aldehyde	0.020	U	0.800	0.613		ug/L		77	74 - 133	3	30
Endrin aldehyde	0.020	U	0.800	0.622		ug/L		78	74 - 133	0	30
Endrin ketone	0.020	U	0.800	0.849		ug/L		106	56 - 150	2	30
Endrin ketone	0.020	U	0.800	0.813		ug/L		102	56 - 150	2	30
gamma-BHC (Lindane)	0.020	U	0.800	0.859		ug/L		107	73 - 132	1	30
gamma-BHC (Lindane)	0.020	U	0.800	0.793		ug/L		99	73 - 132	0	30
Heptachlor	0.020	U	0.800	0.785		ug/L		98	70 - 134	1	30
Heptachlor	0.020	U	0.800	0.789		ug/L		99	70 - 134	0	30
Heptachlor epoxide	0.020	U	0.800	0.888		ug/L		111	75 - 126	3	30
Heptachlor epoxide	0.020	U	0.800	0.808		ug/L		101	75 - 126	1	30
Methoxychlor	0.020	U	0.800	1.02		ug/L		127	49 - 150	3	30
Methoxychlor	0.020	U	0.800	0.884		ug/L		110	49 - 150	2	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1017886

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017868

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	72		30 - 131
DCB Decachlorobiphenyl	71		30 - 131
Tetrachloro-m-xylene	74		34 - 120
Tetrachloro-m-xylene	78		34 - 120

Lab Sample ID: MB 460-1018372/1-A

Matrix: Water

Analysis Batch: 1018406

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018372

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/28/25 08:50	01/28/25 21:36	1
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		01/28/25 08:50	01/28/25 21:36	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/28/25 08:50	01/28/25 21:36	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		01/28/25 08:50	01/28/25 21:36	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/28/25 08:50	01/28/25 21:36	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		01/28/25 08:50	01/28/25 21:36	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/28/25 08:50	01/28/25 21:36	1
Aldrin	0.020	U	0.020	0.0030	ug/L		01/28/25 08:50	01/28/25 21:36	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/28/25 08:50	01/28/25 21:36	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		01/28/25 08:50	01/28/25 21:36	1
beta-BHC	0.020	U	0.020	0.015	ug/L		01/28/25 08:50	01/28/25 21:36	1
beta-BHC	0.020	U	0.020	0.015	ug/L		01/28/25 08:50	01/28/25 21:36	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/28/25 08:50	01/28/25 21:36	1
Chlordane (technical)	0.50	U	0.50	0.055	ug/L		01/28/25 08:50	01/28/25 21:36	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/28/25 08:50	01/28/25 21:36	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		01/28/25 08:50	01/28/25 21:36	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/28/25 08:50	01/28/25 21:36	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endrin	0.020	U	0.020	0.0040	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/28/25 08:50	01/28/25 21:36	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		01/28/25 08:50	01/28/25 21:36	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/28/25 08:50	01/28/25 21:36	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		01/28/25 08:50	01/28/25 21:36	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/28/25 08:50	01/28/25 21:36	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		01/28/25 08:50	01/28/25 21:36	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/28/25 08:50	01/28/25 21:36	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		01/28/25 08:50	01/28/25 21:36	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/28/25 08:50	01/28/25 21:36	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		01/28/25 08:50	01/28/25 21:36	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1018372/1-A

Matrix: Water

Analysis Batch: 1018406

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018372

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.50	U	0.50	0.11	ug/L		01/28/25 08:50	01/28/25 21:36	1
Toxaphene	0.50	U	0.50	0.11	ug/L		01/28/25 08:50	01/28/25 21:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	108		30 - 131	01/28/25 08:50	01/28/25 21:36	1
DCB Decachlorobiphenyl	89		30 - 131	01/28/25 08:50	01/28/25 21:36	1
Tetrachloro-m-xylene	101		34 - 120	01/28/25 08:50	01/28/25 21:36	1
Tetrachloro-m-xylene	95		34 - 120	01/28/25 08:50	01/28/25 21:36	1

Lab Sample ID: LCS 460-1018372/2-A

Matrix: Water

Analysis Batch: 1018406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1018372

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.800	0.872		ug/L		109	69 - 138
4,4'-DDD	0.800	0.815		ug/L		102	69 - 138
4,4'-DDE	0.800	0.951		ug/L		119	68 - 130
4,4'-DDE	0.800	0.834		ug/L		104	68 - 130
4,4'-DDT	0.800	0.983		ug/L		123	57 - 1505
4,4'-DDT	0.800	0.794		ug/L		99	57 - 1505
Aldrin	0.800	0.902		ug/L		113	67 - 129
Aldrin	0.800	0.783		ug/L		98	67 - 129
alpha-BHC	0.800	0.913		ug/L		114	70 - 125
alpha-BHC	0.800	0.821		ug/L		103	70 - 125
beta-BHC	0.800	0.912		ug/L		114	70 - 129
beta-BHC	0.800	0.807		ug/L		101	70 - 129
delta-BHC	0.800	0.876		ug/L		109	44 - 120
delta-BHC	0.800	0.801		ug/L		100	44 - 120
Dieldrin	0.800	0.936		ug/L		117	72 - 128
Dieldrin	0.800	0.826		ug/L		103	72 - 128
Endosulfan I	0.800	0.941		ug/L		118	73 - 127
Endosulfan I	0.800	0.860		ug/L		107	73 - 127
Endosulfan II	0.800	0.975		ug/L		122	73 - 134
Endosulfan II	0.800	0.865		ug/L		108	73 - 134
Endosulfan sulfate	0.800	0.983		ug/L		123	61 - 128
Endosulfan sulfate	0.800	0.754		ug/L		94	61 - 128
Endrin	0.800	0.886		ug/L		111	64 - 138
Endrin	0.800	0.766		ug/L		96	64 - 138
Endrin aldehyde	0.800	0.945		ug/L		118	74 - 133
Endrin aldehyde	0.800	0.814		ug/L		102	74 - 133
Endrin ketone	0.800	1.01		ug/L		126	56 - 150
Endrin ketone	0.800	0.805		ug/L		101	56 - 150
gamma-BHC (Lindane)	0.800	0.910		ug/L		114	73 - 132
gamma-BHC (Lindane)	0.800	0.813		ug/L		102	73 - 132
Heptachlor	0.800	0.890		ug/L		111	70 - 134
Heptachlor	0.800	0.792		ug/L		99	70 - 134
Heptachlor epoxide	0.800	0.907		ug/L		113	75 - 126
Heptachlor epoxide	0.800	0.801		ug/L		100	75 - 126

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1018372/2-A

Matrix: Water

Analysis Batch: 1018406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1018372

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methoxychlor	0.800	1.00		ug/L		125	49 - 150
Methoxychlor	0.800	0.765		ug/L		96	49 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	103		30 - 131
DCB Decachlorobiphenyl	86		30 - 131
Tetrachloro-m-xylene	92		34 - 120
Tetrachloro-m-xylene	89		34 - 120

Lab Sample ID: LCSD 460-1018372/3-A

Matrix: Water

Analysis Batch: 1018406

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1018372

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
4,4'-DDD	0.800	0.895		ug/L		112	69 - 138	3	30
4,4'-DDD	0.800	0.836		ug/L		105	69 - 138	3	30
4,4'-DDE	0.800	0.984		ug/L		123	68 - 130	3	30
4,4'-DDE	0.800	0.864		ug/L		108	68 - 130	4	30
4,4'-DDT	0.800	1.01		ug/L		127	57 - 1505	3	30
4,4'-DDT	0.800	0.822		ug/L		103	57 - 1505	3	30
Aldrin	0.800	0.927		ug/L		116	67 - 129	3	30
Aldrin	0.800	0.812		ug/L		101	67 - 129	4	30
alpha-BHC	0.800	0.954		ug/L		119	70 - 125	4	30
alpha-BHC	0.800	0.855		ug/L		107	70 - 125	4	30
beta-BHC	0.800	0.939		ug/L		117	70 - 129	3	30
beta-BHC	0.800	0.830		ug/L		104	70 - 129	3	30
delta-BHC	0.800	0.903		ug/L		113	44 - 120	3	30
delta-BHC	0.800	0.829		ug/L		104	44 - 120	3	30
Dieldrin	0.800	0.968		ug/L		121	72 - 128	3	30
Dieldrin	0.800	0.855		ug/L		107	72 - 128	3	30
Endosulfan I	0.800	0.967		ug/L		121	73 - 127	3	30
Endosulfan I	0.800	0.890		ug/L		111	73 - 127	3	30
Endosulfan II	0.800	1.00		ug/L		125	73 - 134	3	30
Endosulfan II	0.800	0.891		ug/L		111	73 - 134	3	30
Endosulfan sulfate	0.800	1.01		ug/L		126	61 - 128	3	30
Endosulfan sulfate	0.800	0.781		ug/L		98	61 - 128	4	30
Endrin	0.800	0.915		ug/L		114	64 - 138	3	30
Endrin	0.800	0.793		ug/L		99	64 - 138	3	30
Endrin aldehyde	0.800	0.969		ug/L		121	74 - 133	3	30
Endrin aldehyde	0.800	0.840		ug/L		105	74 - 133	3	30
Endrin ketone	0.800	1.03		ug/L		129	56 - 150	2	30
Endrin ketone	0.800	0.833		ug/L		104	56 - 150	3	30
gamma-BHC (Lindane)	0.800	0.946		ug/L		118	73 - 132	4	30
gamma-BHC (Lindane)	0.800	0.843		ug/L		105	73 - 132	4	30
Heptachlor	0.800	0.921		ug/L		115	70 - 134	3	30
Heptachlor	0.800	0.822		ug/L		103	70 - 134	4	30
Heptachlor epoxide	0.800	0.932		ug/L		116	75 - 126	3	30
Heptachlor epoxide	0.800	0.829		ug/L		104	75 - 126	3	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1018372/3-A

Matrix: Water

Analysis Batch: 1018406

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1018372

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methoxychlor	0.800	1.02		ug/L		128	49 - 150	2	30
Methoxychlor	0.800	0.792		ug/L		99	49 - 150	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	104		30 - 131
DCB Decachlorobiphenyl	88		30 - 131
Tetrachloro-m-xylene	94		34 - 120
Tetrachloro-m-xylene	90		34 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1017866/1-A

Matrix: Water

Analysis Batch: 1017892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1017866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 06:26	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/23/25 20:09	01/24/25 06:26	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/23/25 20:09	01/24/25 06:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		18 - 145	01/23/25 20:09	01/24/25 06:26	1
DCB Decachlorobiphenyl	64		18 - 145	01/23/25 20:09	01/24/25 06:26	1
Tetrachloro-m-xylene	81		21 - 124	01/23/25 20:09	01/24/25 06:26	1
Tetrachloro-m-xylene	78		21 - 124	01/23/25 20:09	01/24/25 06:26	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-1017866/2-A

Matrix: Water

Analysis Batch: 1017892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1017866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	4.00	3.18		ug/L		80	42 - 120
Aroclor 1016	4.00	3.46		ug/L		86	42 - 120
Aroclor 1260	4.00	3.17		ug/L		79	42 - 126
Aroclor 1260	4.00	3.83		ug/L		96	42 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	63		18 - 145
DCB Decachlorobiphenyl	72		18 - 145
Tetrachloro-m-xylene	78		21 - 124
Tetrachloro-m-xylene	87		21 - 124

Lab Sample ID: LCSD 460-1017866/3-A

Matrix: Water

Analysis Batch: 1017892

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1017866

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	4.00	3.36		ug/L		84	42 - 120	5	30
Aroclor 1016	4.00	3.12		ug/L		78	42 - 120	10	30
Aroclor 1260	4.00	3.34		ug/L		83	42 - 126	5	30
Aroclor 1260	4.00	3.65		ug/L		91	42 - 126	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	63		18 - 145
DCB Decachlorobiphenyl	66		18 - 145
Tetrachloro-m-xylene	81		21 - 124
Tetrachloro-m-xylene	80		21 - 124

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017892

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017866

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.40	U	4.00	3.54		ug/L		88	42 - 120
Aroclor 1016	0.40	U	4.00	3.57		ug/L		89	42 - 120
Aroclor 1260	0.40	U	4.00	3.60		ug/L		90	42 - 126
Aroclor 1260	0.40	U	4.00	3.80		ug/L		95	42 - 126

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	78		18 - 145
DCB Decachlorobiphenyl	70		18 - 145
Tetrachloro-m-xylene	79		21 - 124
Tetrachloro-m-xylene	81		21 - 124

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1017892

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017866

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.40	U	4.00	3.56		ug/L		89	42 - 120	1	30
Aroclor 1016	0.40	U	4.00	3.64		ug/L		91	42 - 120	2	30
Aroclor 1260	0.40	U	4.00	3.72		ug/L		93	42 - 126	3	30
Aroclor 1260	0.40	U	4.00	4.02		ug/L		101	42 - 126	6	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	72		18 - 145
DCB Decachlorobiphenyl	70		18 - 145
Tetrachloro-m-xylene	79		21 - 124
Tetrachloro-m-xylene	81		21 - 124

Lab Sample ID: MB 460-1018366/1-A

Matrix: Water

Analysis Batch: 1018427

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 18:46	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		01/28/25 08:42	01/28/25 18:46	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		01/28/25 08:42	01/28/25 18:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		18 - 145	01/28/25 08:42	01/28/25 18:46	1
DCB Decachlorobiphenyl	83		18 - 145	01/28/25 08:42	01/28/25 18:46	1
Tetrachloro-m-xylene	92		21 - 124	01/28/25 08:42	01/28/25 18:46	1
Tetrachloro-m-xylene	90		21 - 124	01/28/25 08:42	01/28/25 18:46	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-1018366/2-A

Matrix: Water

Analysis Batch: 1018427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1018366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	4.00	4.05		ug/L		101	42 - 120
Aroclor 1016	4.00	3.96		ug/L		99	42 - 120
Aroclor 1260	4.00	4.03		ug/L		101	42 - 126
Aroclor 1260	4.00	4.03		ug/L		101	42 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	78		18 - 145
DCB Decachlorobiphenyl	85		18 - 145
Tetrachloro-m-xylene	93		21 - 124
Tetrachloro-m-xylene	94		21 - 124

Lab Sample ID: LCSD 460-1018366/3-A

Matrix: Water

Analysis Batch: 1018427

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1018366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	4.00	4.18		ug/L		105	42 - 120	3	30
Aroclor 1016	4.00	4.18		ug/L		104	42 - 120	5	30
Aroclor 1260	4.00	4.23		ug/L		106	42 - 126	5	30
Aroclor 1260	4.00	4.21		ug/L		105	42 - 126	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	84		18 - 145
DCB Decachlorobiphenyl	91		18 - 145
Tetrachloro-m-xylene	100		21 - 124
Tetrachloro-m-xylene	102		21 - 124

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 460-1017861/1-A

Matrix: Water

Analysis Batch: 1017895

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1017861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/23/25 19:30	01/24/25 11:36	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/23/25 19:30	01/24/25 11:36	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/23/25 19:30	01/24/25 11:36	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/23/25 19:30	01/24/25 11:36	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/23/25 19:30	01/24/25 11:36	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/23/25 19:30	01/24/25 11:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	48		10 - 150	01/23/25 19:30	01/24/25 11:36	1
2,4-Dichlorophenylacetic acid	42		10 - 150	01/23/25 19:30	01/24/25 11:36	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-1017861/2-A

Matrix: Water

Analysis Batch: 1017895

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1017861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T	2.00	1.16	J	ug/L		58	35 - 150
2,4,5-T	2.00	1.40		ug/L		70	35 - 150
2,4-D	8.00	3.50		ug/L		44	25 - 150
2,4-D	8.00	3.48		ug/L		44	25 - 150
Silvex (2,4,5-TP)	2.00	1.52		ug/L		76	39 - 150
Silvex (2,4,5-TP)	2.00	1.55		ug/L		78	39 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	51		10 - 150
2,4-Dichlorophenylacetic acid	41		10 - 150

Lab Sample ID: LCSD 460-1017861/3-A

Matrix: Water

Analysis Batch: 1017895

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1017861

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T	2.00	1.41		ug/L		70	35 - 150	20	30
2,4,5-T	2.00	1.81		ug/L		90	35 - 150	25	30
2,4-D	8.00	4.33		ug/L		54	25 - 150	21	30
2,4-D	8.00	4.33		ug/L		54	25 - 150	22	30
Silvex (2,4,5-TP)	2.00	1.75		ug/L		88	39 - 150	15	30
Silvex (2,4,5-TP)	2.00	1.77		ug/L		89	39 - 150	13	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	57		10 - 150
2,4-Dichlorophenylacetic acid	51		10 - 150

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 1017895

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T	1.2	U	2.00	1.44		ug/L		72	35 - 150
2,4,5-T	1.2	U	2.00	0.751	J	ug/L		38	35 - 150
2,4-D	1.2	U	8.00	2.16		ug/L		27	25 - 150
2,4-D	1.2	U	8.00	2.29		ug/L		29	25 - 150
Silvex (2,4,5-TP)	1.2	U	2.00	1.14	J	ug/L		57	39 - 150
Silvex (2,4,5-TP)	1.2	U	2.00	1.18	J	ug/L		59	39 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	611	*	10 - 150
2,4-Dichlorophenylacetic acid	33		10 - 150

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1017895

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 1017861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T	1.2	U	2.00	3.53	*	ug/L		177	35 - 150	84	30
2,4,5-T	1.2	U	2.00	2.61	*	ug/L		130	35 - 150	111	30
2,4-D	1.2	U	8.00	6.96	*	ug/L		87	25 - 150	105	30
2,4-D	1.2	U	8.00	8.70	*	ug/L		109	25 - 150	117	30
Silvex (2,4,5-TP)	1.2	U	2.00	2.54	*	ug/L		127	39 - 150	76	30
Silvex (2,4,5-TP)	1.2	U	2.00	2.88	*	ug/L		144	39 - 150	84	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	835	*	10 - 150
2,4-Dichlorophenylacetic acid	79		10 - 150

Lab Sample ID: LB 460-1018130/1-E

Matrix: Water

Analysis Batch: 1018301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018283

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	33	U	33	3.3	ug/L		01/27/25 20:55	01/28/25 06:50	1
2,4-D	33	U	33	3.6	ug/L		01/27/25 20:55	01/28/25 06:50	1
Silvex (2,4,5-TP)	33	U	33	3.1	ug/L		01/27/25 20:55	01/28/25 06:50	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	119		10 - 150	01/27/25 20:55	01/28/25 06:50	1
2,4-Dichlorophenylacetic acid	102		10 - 150	01/27/25 20:55	01/28/25 06:50	1

Lab Sample ID: MB 460-1018283/1-A

Matrix: Water

Analysis Batch: 1018301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/27/25 20:33	01/28/25 06:31	1
2,4,5-T	1.2	U	1.2	0.12	ug/L		01/27/25 20:33	01/28/25 06:31	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/27/25 20:33	01/28/25 06:31	1
2,4-D	1.2	U	1.2	0.13	ug/L		01/27/25 20:33	01/28/25 06:31	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/27/25 20:33	01/28/25 06:31	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		01/27/25 20:33	01/28/25 06:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	55		10 - 150	01/27/25 20:33	01/28/25 06:31	1
2,4-Dichlorophenylacetic acid	45		10 - 150	01/27/25 20:33	01/28/25 06:31	1

Lab Sample ID: LCS 460-1018283/2-A

Matrix: Water

Analysis Batch: 1018301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1018283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T	2.00	2.50		ug/L		125	35 - 150
2,4,5-T	2.00	2.31		ug/L		116	35 - 150
2,4-D	8.00	7.39		ug/L		92	25 - 150

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 460-1018283/2-A

Matrix: Water

Analysis Batch: 1018301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1018283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	8.00	7.29		ug/L		91	25 - 150
Silvex (2,4,5-TP)	2.00	2.85		ug/L		142	39 - 150
Silvex (2,4,5-TP)	2.00	2.79		ug/L		139	39 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	84		10 - 150
2,4-Dichlorophenylacetic acid	68		10 - 150

Lab Sample ID: LCSD 460-1018283/3-A

Matrix: Water

Analysis Batch: 1018301

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1018283

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
2,4,5-T	2.00	2.42		ug/L		121	35 - 150	3	30
2,4,5-T	2.00	2.20		ug/L		110	35 - 150	5	30
2,4-D	8.00	7.30		ug/L		91	25 - 150	1	30
2,4-D	8.00	7.29		ug/L		91	25 - 150	0	30
Silvex (2,4,5-TP)	2.00	2.75		ug/L		138	39 - 150	3	30
Silvex (2,4,5-TP)	2.00	2.66		ug/L		133	39 - 150	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	84		10 - 150
2,4-Dichlorophenylacetic acid	75		10 - 150

Lab Sample ID: 460-319129-A-1-H MS

Matrix: Water

Analysis Batch: 1018301

Client Sample ID: Matrix Spike

Prep Type: TCLP

Prep Batch: 1018283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T	33	U	33.3	68.4	*	ug/L		205	35 - 150
2,4,5-T	33	U	33.3	67.1	*	ug/L		201	35 - 150
2,4-D	33	U	133	238	*	ug/L		179	25 - 150
2,4-D	33	U	133	239	*	ug/L		179	25 - 150
Silvex (2,4,5-TP)	33	U	33.3	65.7	*	ug/L		197	39 - 150
Silvex (2,4,5-TP)	33	U	33.3	66.6	*	ug/L		200	39 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4-Dichlorophenylacetic acid	126		10 - 150
2,4-Dichlorophenylacetic acid	100		10 - 150

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC)

Lab Sample ID: MB 410-600140/1-B

Matrix: Water

Analysis Batch: 600461

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 600140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C19-C36 Aliphatics	50	U	50	50	ug/L		01/28/25 21:18	01/29/25 18:54	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: MB 410-600140/1-B

Matrix: Water

Analysis Batch: 600461

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 600140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C18 Aliphatics	30	U	30	30	ug/L		01/28/25 21:18	01/29/25 18:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctadecane (Surr)	70		40 - 140				01/28/25 21:18	01/29/25 18:54	1

Lab Sample ID: MB 410-600140/1-C

Matrix: Water

Analysis Batch: 600460

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 600140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Pyrene	12	U	12	12	ug/L		01/28/25 21:18	01/29/25 18:54	1
Benzo[g,h,i]perylene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Benzo[b]fluoranthene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Fluoranthene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Benzo[k]fluoranthene	4.0	U	4.0	4.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Acenaphthylene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Chrysene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Benzo[a]pyrene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Dibenz(a,h)anthracene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Benzo[a]anthracene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Acenaphthene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Phenanthrene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Fluorene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
Naphthalene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
2-Methylnaphthalene	2.0	U	2.0	2.0	ug/L		01/28/25 21:18	01/29/25 18:54	1
C11-C22 Aromatics (unadjusted)	40	U	40	40	ug/L		01/28/25 21:18	01/29/25 18:54	1
C11-C22 Aromatics (Adjusted)	40	U	40	40	ug/L		01/28/25 21:18	01/29/25 18:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		40 - 140				01/28/25 21:18	01/29/25 18:54	1
o-terphenyl (Surr)	78		40 - 140				01/28/25 21:18	01/29/25 18:54	1

Lab Sample ID: LCS 410-600140/2-B

Matrix: Water

Analysis Batch: 600461

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 600140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C19-C36 Aliphatics	321	228		ug/L		71	40 - 140
C9-C18 Aliphatics	241	162		ug/L		67	40 - 140
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctadecane (Surr)	51		40 - 140				

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCS 410-600140/2-C

Matrix: Water

Analysis Batch: 600460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 600140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	40.2	33.4		ug/L		83	40 - 140
Pyrene	40.1	32.8		ug/L		82	40 - 140
Benzo[g,h,i]perylene	40.2	31.8		ug/L		79	40 - 140
Indeno[1,2,3-cd]pyrene	40.1	34.8		ug/L		87	40 - 140
Benzo[b]fluoranthene	40.2	33.6		ug/L		84	40 - 140
Fluoranthene	40.2	32.6		ug/L		81	40 - 140
Benzo[k]fluoranthene	40.1	33.9		ug/L		85	40 - 140
Acenaphthylene	40.1	27.4		ug/L		68	40 - 140
Chrysene	40.2	35.9		ug/L		89	40 - 140
Benzo[a]pyrene	40.1	29.5		ug/L		74	40 - 140
Dibenz(a,h)anthracene	40.1	33.1		ug/L		82	40 - 140
Benzo[a]anthracene	40.1	31.4		ug/L		78	40 - 140
Acenaphthene	40.1	29.7		ug/L		74	40 - 140
Phenanthrene	40.1	31.0		ug/L		77	40 - 140
Fluorene	40.2	31.3		ug/L		78	40 - 140
Naphthalene	40.2	27.6		ug/L		69	40 - 140
2-Methylnaphthalene	40.1	26.1		ug/L		65	40 - 140
C11-C22 Aromatics (unadjusted)	681	547		ug/L		80	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	89		40 - 140
o-terphenyl (Surr)	74		40 - 140

Lab Sample ID: LCSD 410-600140/3-B

Matrix: Water

Analysis Batch: 600461

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 600140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C19-C36 Aliphatics	321	212		ug/L		66	40 - 140	7	25
C9-C18 Aliphatics	241	157		ug/L		65	40 - 140	3	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctadecane (Surr)	54		40 - 140

Lab Sample ID: LCSD 410-600140/3-C

Matrix: Water

Analysis Batch: 600460

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 600140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	40.2	31.0		ug/L		77	40 - 140	7	25
Pyrene	40.1	30.3		ug/L		75	40 - 140	8	25
Benzo[g,h,i]perylene	40.2	28.1		ug/L		70	40 - 140	12	25
Indeno[1,2,3-cd]pyrene	40.1	31.3		ug/L		78	40 - 140	11	25
Benzo[b]fluoranthene	40.2	28.6		ug/L		71	40 - 140	16	25
Fluoranthene	40.2	30.1		ug/L		75	40 - 140	8	25
Benzo[k]fluoranthene	40.1	32.9		ug/L		82	40 - 140	3	25
Acenaphthylene	40.1	24.9		ug/L		62	40 - 140	10	25
Chrysene	40.2	32.2		ug/L		80	40 - 140	11	25

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCSD 410-600140/3-C

Matrix: Water

Analysis Batch: 600460

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 600140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene	40.1	26.6		ug/L		66	40 - 140	10	25
Dibenz(a,h)anthracene	40.1	29.4		ug/L		73	40 - 140	12	25
Benzo[a]anthracene	40.1	28.6		ug/L		71	40 - 140	9	25
Acenaphthene	40.1	27.3		ug/L		68	40 - 140	8	25
Phenanthrene	40.1	28.8		ug/L		72	40 - 140	8	25
Fluorene	40.2	29.0		ug/L		72	40 - 140	8	25
Naphthalene	40.2	25.1		ug/L		63	40 - 140	9	25
2-Methylnaphthalene	40.1	23.9		ug/L		60	40 - 140	9	25
C11-C22 Aromatics (unadjusted)	681	498		ug/L		73	40 - 140	9	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	88		40 - 140
o- terphenyl (Surr)	69		40 - 140

Lab Sample ID: 460-319158-2 MS

Matrix: Water

Analysis Batch: 600460

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 600140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	2.3		38.6	28.8		ug/L		69	40 - 140
Pyrene	12	U	38.6	28.2		ug/L		73	40 - 140
Benzo[g,h,i]perylene	1.9	U	38.6	22.7		ug/L		59	40 - 140
Indeno[1,2,3-cd]pyrene	1.9	U	38.6	25.4		ug/L		66	40 - 140
Benzo[b]fluoranthene	1.9	U	38.6	24.3		ug/L		63	40 - 140
Fluoranthene	3.8		38.6	29.2		ug/L		66	40 - 140
Benzo[k]fluoranthene	3.8	U	38.6	27.2		ug/L		71	40 - 140
Acenaphthylene	1.9	U	38.6	23.3		ug/L		60	40 - 140
Chrysene	1.9	U	38.6	28.1		ug/L		73	40 - 140
Benzo[a]pyrene	1.9	U	38.6	22.9		ug/L		59	40 - 140
Dibenz(a,h)anthracene	1.9	U	38.6	24.9		ug/L		65	40 - 140
Benzo[a]anthracene	1.9	U	38.6	25.3		ug/L		66	40 - 140
Acenaphthene	3.7		38.6	28.8		ug/L		65	40 - 140
Phenanthrene	9.0		38.6	35.0		ug/L		67	40 - 140
Fluorene	5.0		38.6	31.3		ug/L		68	40 - 140
Naphthalene	8.3		38.6	35.7		ug/L		71	40 - 140
2-Methylnaphthalene	1.9	U	38.6	24.8		ug/L		64	40 - 140
C11-C22 Aromatics (unadjusted)	100		655	521		ug/L		64	40 - 140
C19-C36 Aliphatics	48	U	309	192		ug/L		62	40 - 140
C9-C18 Aliphatics	29	U	232	160		ug/L		69	40 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctadecane (Surr)	49		40 - 140
2-Fluorobiphenyl (Surr)	89		40 - 140
o- terphenyl (Surr)	64		40 - 140

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 600460

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 600140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	2.3		38.8	25.6		ug/L		60	40 - 140	12	50
Pyrene	12	U	38.8	24.1		ug/L		62	40 - 140	16	50
Benzo[g,h,i]perylene	1.9	U	38.8	17.5		ug/L		45	40 - 140	26	50
Indeno[1,2,3-cd]pyrene	1.9	U	38.7	20.0		ug/L		52	40 - 140	24	50
Benzo[b]fluoranthene	1.9	U	38.8	16.8		ug/L		43	40 - 140	36	50
Fluoranthene	3.8		38.8	25.1		ug/L		55	40 - 140	15	50
Benzo[k]fluoranthene	3.8	U	38.7	25.9		ug/L		67	40 - 140	5	50
Acenaphthylene	1.9	U	38.8	19.8		ug/L		51	40 - 140	16	50
Chrysene	1.9	U	38.8	24.4		ug/L		63	40 - 140	14	50
Benzo[a]pyrene	1.9	U	38.8	18.8		ug/L		49	40 - 140	20	50
Dibenz(a,h)anthracene	1.9	U	38.7	20.1		ug/L		52	40 - 140	21	50
Benzo[a]anthracene	1.9	U	38.8	21.0		ug/L		54	40 - 140	19	50
Acenaphthene	3.7		38.7	24.4		ug/L		53	40 - 140	17	50
Phenanthrene	9.0		38.8	29.9		ug/L		54	40 - 140	16	50
Fluorene	5.0		38.8	26.9		ug/L		56	40 - 140	15	50
Naphthalene	8.3		38.8	28.6		ug/L		52	40 - 140	22	50
2-Methylnaphthalene	1.9	U	38.7	21.1		ug/L		54	40 - 140	16	50
C11-C22 Aromatics (unadjusted)	100		658	435		ug/L		51	40 - 140	18	50
C19-C36 Aliphatics	48	U	311	161		ug/L		52	40 - 140	17	50
C9-C18 Aliphatics	29	U	233	137		ug/L		59	40 - 140	15	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctadecane (Surr)	40		40 - 140
2-Fluorobiphenyl (Surr)	88		40 - 140
o-terphenyl (Surr)	55		40 - 140

Lab Sample ID: MB 410-600679/1-B

Matrix: Water

Analysis Batch: 601844

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 600679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C19-C36 Aliphatics	50	U	50	50	ug/L		01/30/25 09:03	02/03/25 18:35	1
C9-C18 Aliphatics	30	U	30	30	ug/L		01/30/25 09:03	02/03/25 18:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctadecane (Surr)	63		40 - 140	01/30/25 09:03	02/03/25 18:35	1

Lab Sample ID: MB 410-600679/1-C

Matrix: Water

Analysis Batch: 602286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 600679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Pyrene	12	U	12	12	ug/L		01/30/25 09:03	02/04/25 18:37	1
Benzo[g,h,i]perylene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Benzo[b]fluoranthene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Fluoranthene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: MB 410-600679/1-C

Matrix: Water

Analysis Batch: 602286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 600679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	4.0	U	4.0	4.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Acenaphthylene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Chrysene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Benzo[a]pyrene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Dibenz(a,h)anthracene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Benzo[a]anthracene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Acenaphthene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Phenanthrene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Fluorene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
Naphthalene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
2-Methylnaphthalene	2.0	U	2.0	2.0	ug/L		01/30/25 09:03	02/04/25 18:37	1
C11-C22 Aromatics (unadjusted)	40	U	40	40	ug/L		01/30/25 09:03	02/04/25 18:37	1
C11-C22 Aromatics (Adjusted)	40	U	40	40	ug/L		01/30/25 09:03	02/04/25 18:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	114		40 - 140	01/30/25 09:03	02/04/25 18:37	1
o-terphenyl (Surr)	57		40 - 140	01/30/25 09:03	02/04/25 18:37	1

Lab Sample ID: LCS 410-600679/2-B

Matrix: Water

Analysis Batch: 601844

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 600679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C19-C36 Aliphatics	321	198		ug/L		62	40 - 140
C9-C18 Aliphatics	241	134		ug/L		56	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctadecane (Surr)	56		40 - 140

Lab Sample ID: LCS 410-600679/2-C

Matrix: Water

Analysis Batch: 602286

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 600679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	40.2	33.4		ug/L		83	40 - 140
Pyrene	40.1	36.6		ug/L		91	40 - 140
Benzo[g,h,i]perylene	40.2	32.2		ug/L		80	40 - 140
Indeno[1,2,3-cd]pyrene	40.1	37.8		ug/L		94	40 - 140
Benzo[b]fluoranthene	40.2	32.9		ug/L		82	40 - 140
Fluoranthene	40.2	34.1		ug/L		85	40 - 140
Benzo[k]fluoranthene	40.1	29.9		ug/L		75	40 - 140
Acenaphthylene	40.1	27.9		ug/L		69	40 - 140
Chrysene	40.2	29.1		ug/L		72	40 - 140
Benzo[a]pyrene	40.1	29.2		ug/L		73	40 - 140
Dibenz(a,h)anthracene	40.1	32.4		ug/L		81	40 - 140
Benzo[a]anthracene	40.1	34.3		ug/L		86	40 - 140
Acenaphthene	40.1	30.2		ug/L		75	40 - 140
Phenanthrene	40.1	33.4		ug/L		83	40 - 140

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: MA-EPH - Massachusetts - Extractable Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCS 410-600679/2-C

Matrix: Water

Analysis Batch: 602286

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 600679

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	40.2	32.4		ug/L		81	40 - 140
Naphthalene	40.2	28.4		ug/L		71	40 - 140
2-Methylnaphthalene	40.1	27.2		ug/L		68	40 - 140
C11-C22 Aromatics (unadjusted)	681	568		ug/L		83	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	95		40 - 140
o- terphenyl (Surr)	75		40 - 140

Lab Sample ID: LCSD 410-600679/3-B

Matrix: Water

Analysis Batch: 601844

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 600679

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C19-C36 Aliphatics	321	201		ug/L		63	40 - 140	2	25
C9-C18 Aliphatics	241	131		ug/L		54	40 - 140	3	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctadecane (Surr)	52		40 - 140

Lab Sample ID: LCSD 410-600679/3-C

Matrix: Water

Analysis Batch: 602286

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 600679

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Anthracene	40.2	33.1		ug/L		82	40 - 140	1	25
Pyrene	40.1	37.3		ug/L		93	40 - 140	2	25
Benzo[g,h,i]perylene	40.2	31.2		ug/L		78	40 - 140	3	25
Indeno[1,2,3-cd]pyrene	40.1	37.2		ug/L		93	40 - 140	1	25
Benzo[b]fluoranthene	40.2	30.6		ug/L		76	40 - 140	7	25
Fluoranthene	40.2	33.6		ug/L		84	40 - 140	2	25
Benzo[k]fluoranthene	40.1	30.3		ug/L		76	40 - 140	1	25
Acenaphthylene	40.1	27.7		ug/L		69	40 - 140	1	25
Chrysene	40.2	29.3		ug/L		73	40 - 140	1	25
Benzo[a]pyrene	40.1	28.3		ug/L		71	40 - 140	3	25
Dibenz(a,h)anthracene	40.1	31.6		ug/L		79	40 - 140	2	25
Benzo[a]anthracene	40.1	33.1		ug/L		82	40 - 140	4	25
Acenaphthene	40.1	29.7		ug/L		74	40 - 140	2	25
Phenanthrene	40.1	33.0		ug/L		82	40 - 140	1	25
Fluorene	40.2	31.9		ug/L		80	40 - 140	1	25
Naphthalene	40.2	27.5		ug/L		69	40 - 140	3	25
2-Methylnaphthalene	40.1	26.3		ug/L		66	40 - 140	3	25
C11-C22 Aromatics (unadjusted)	681	572		ug/L		84	40 - 140	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	90		40 - 140
o- terphenyl (Surr)	74		40 - 140

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1018232/1-A

Matrix: Water

Analysis Batch: 1018258

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 1018232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		01/27/25 10:08	01/27/25 15:51	1
Antimony	2.0	U	2.0	0.48	ug/L		01/27/25 10:08	01/27/25 15:51	1
Arsenic	2.0	U	2.0	1.2	ug/L		01/27/25 10:08	01/27/25 15:51	1
Barium	4.0	U	4.0	0.93	ug/L		01/27/25 10:08	01/27/25 15:51	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/27/25 10:08	01/27/25 15:51	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/27/25 10:08	01/27/25 15:51	1
Calcium	500	U	500	31.7	ug/L		01/27/25 10:08	01/27/25 15:51	1
Chromium	4.0	U	4.0	1.7	ug/L		01/27/25 10:08	01/27/25 15:51	1
Cobalt	4.0	U	4.0	0.41	ug/L		01/27/25 10:08	01/27/25 15:51	1
Copper	4.0	U	4.0	2.0	ug/L		01/27/25 10:08	01/27/25 15:51	1
Iron	120	U	120	33.7	ug/L		01/27/25 10:08	01/27/25 15:51	1
Lead	1.2	U	1.2	0.42	ug/L		01/27/25 10:08	01/27/25 15:51	1
Magnesium	200	U	200	21.8	ug/L		01/27/25 10:08	01/27/25 15:51	1
Manganese	8.0	U	8.0	0.84	ug/L		01/27/25 10:08	01/27/25 15:51	1
Nickel	4.0	U	4.0	1.4	ug/L		01/27/25 10:08	01/27/25 15:51	1
Potassium	200	U	200	83.3	ug/L		01/27/25 10:08	01/27/25 15:51	1
Selenium	2.5	U	2.5	0.43	ug/L		01/27/25 10:08	01/27/25 15:51	1
Silver	2.0	U	2.0	1.3	ug/L		01/27/25 10:08	01/27/25 15:51	1
Sodium	500	U	500	180	ug/L		01/27/25 10:08	01/27/25 15:51	1
Thallium	0.80	U	0.80	0.19	ug/L		01/27/25 10:08	01/27/25 15:51	1
Vanadium	4.0	U	4.0	1.0	ug/L		01/27/25 10:08	01/27/25 15:51	1
Zinc	16.0	U	16.0	4.2	ug/L		01/27/25 10:08	01/27/25 15:51	1

Lab Sample ID: LCS 460-1018232/2-A

Matrix: Water

Analysis Batch: 1018258

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 1018232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2650		ug/L		106	80 - 120
Antimony	25.0	23.92		ug/L		96	80 - 120
Arsenic	50.0	49.93		ug/L		100	80 - 120
Barium	50.0	49.37		ug/L		99	80 - 120
Beryllium	25.0	26.03		ug/L		104	80 - 120
Cadmium	25.0	25.02		ug/L		100	80 - 120
Calcium	2500	2389		ug/L		96	80 - 120
Chromium	50.0	51.04		ug/L		102	80 - 120
Cobalt	25.0	26.02		ug/L		104	80 - 120
Copper	50.0	54.39		ug/L		109	80 - 120
Iron	2500	2447		ug/L		98	80 - 120
Lead	25.0	25.30		ug/L		101	80 - 120
Magnesium	2500	2675		ug/L		107	80 - 120
Manganese	250	258.5		ug/L		103	80 - 120
Nickel	50.0	52.43		ug/L		105	80 - 120
Potassium	2500	2493		ug/L		100	80 - 120
Selenium	50.0	48.46		ug/L		97	80 - 120
Silver	25.0	24.97		ug/L		100	80 - 120
Sodium	2500	2657		ug/L		106	80 - 120
Thallium	20.0	20.66		ug/L		103	80 - 120
Vanadium	50.0	50.25		ug/L		100	80 - 120

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-1018232/2-A
Matrix: Water
Analysis Batch: 1018258

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 1018232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	250	253.0		ug/L		101	80 - 120

Lab Sample ID: 460-319158-2 MS
Matrix: Water
Analysis Batch: 1018258

Client Sample ID: MW-01_20250122
Prep Type: Total Recoverable
Prep Batch: 1018232

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	316		2500	2845		ug/L		101	75 - 125
Antimony	3.1		25.0	30.70		ug/L		110	75 - 125
Arsenic	12.4		50.0	64.23		ug/L		104	75 - 125
Barium	74.5		50.0	125.0		ug/L		101	75 - 125
Beryllium	0.80	U	25.0	24.62		ug/L		98	75 - 125
Cadmium	2.0	U	25.0	25.03		ug/L		100	75 - 125
Calcium	203000		2500	217000	4	ug/L		552	75 - 125
Chromium	4.0	U	50.0	49.40		ug/L		99	75 - 125
Cobalt	1.4	J	25.0	25.90		ug/L		98	75 - 125
Copper	4.3		50.0	50.28		ug/L		92	75 - 125
Iron	829		2500	3260		ug/L		97	75 - 125
Lead	8.2		25.0	31.92		ug/L		95	75 - 125
Magnesium	41600		2500	43690	4	ug/L		84	75 - 125
Manganese	106		250	339.5		ug/L		93	75 - 125
Nickel	6.0		50.0	53.99		ug/L		96	75 - 125
Potassium	59900		2500	65750	4	ug/L		235	75 - 125
Selenium	2.5	U	50.0	27.45	N	ug/L		55	75 - 125
Silver	2.0	U	25.0	24.39		ug/L		98	75 - 125
Sodium	346000		2500	366500	4	ug/L		829	75 - 125
Thallium	0.80	U	20.0	20.38		ug/L		102	75 - 125
Vanadium	6.6		50.0	58.09		ug/L		103	75 - 125
Zinc	16.0	U	250	248.1		ug/L		99	75 - 125

Lab Sample ID: 460-319158-2 MSD
Matrix: Water
Analysis Batch: 1018258

Client Sample ID: MW-01_20250122
Prep Type: Total Recoverable
Prep Batch: 1018232

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	316		2500	2913		ug/L		104	75 - 125	2	20
Antimony	3.1		25.0	32.03		ug/L		116	75 - 125	4	20
Arsenic	12.4		50.0	66.68		ug/L		109	75 - 125	4	20
Barium	74.5		50.0	127.9		ug/L		107	75 - 125	2	20
Beryllium	0.80	U	25.0	26.73		ug/L		107	75 - 125	8	20
Cadmium	2.0	U	25.0	25.48		ug/L		102	75 - 125	2	20
Calcium	203000		2500	215900	4	ug/L		508	75 - 125	1	20
Chromium	4.0	U	50.0	51.66		ug/L		103	75 - 125	4	20
Cobalt	1.4	J	25.0	26.81		ug/L		102	75 - 125	3	20
Copper	4.3		50.0	52.24		ug/L		96	75 - 125	4	20
Iron	829		2500	3283		ug/L		98	75 - 125	1	20
Lead	8.2		25.0	33.25		ug/L		100	75 - 125	4	20
Magnesium	41600		2500	44490	4	ug/L		116	75 - 125	2	20
Manganese	106		250	349.7		ug/L		98	75 - 125	3	20

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-319158-2 MSD

Matrix: Water

Analysis Batch: 1018258

Client Sample ID: MW-01_20250122

Prep Type: Total Recoverable

Prep Batch: 1018232

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	6.0		50.0	56.12		ug/L		100	75 - 125	4	20
Potassium	59900		2500	66860	4	ug/L		280	75 - 125	2	20
Selenium	2.5	U	50.0	28.26	N	ug/L		57	75 - 125	3	20
Silver	2.0	U	25.0	25.13		ug/L		101	75 - 125	3	20
Sodium	346000		2500	370100	4	ug/L		972	75 - 125	1	20
Thallium	0.80	U	20.0	21.01		ug/L		105	75 - 125	3	20
Vanadium	6.6		50.0	59.71		ug/L		106	75 - 125	3	20
Zinc	16.0	U	250	254.5		ug/L		102	75 - 125	3	20

Lab Sample ID: 460-319158-2 DU

Matrix: Water

Analysis Batch: 1018258

Client Sample ID: MW-01_20250122

Prep Type: Total Recoverable

Prep Batch: 1018232

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	316		289.3		ug/L		9	20
Antimony	3.1		3.12		ug/L		1	20
Arsenic	12.4		11.93		ug/L		4	20
Barium	74.5		75.18		ug/L		0.9	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	203000		205600		ug/L		1	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	1.4	J	1.32	J	ug/L		6	20
Copper	4.3		4.14		ug/L		4	20
Iron	829		846.1		ug/L		2	20
Lead	8.2		8.23		ug/L		0.3	20
Magnesium	41600		41600		ug/L		0	20
Manganese	106		104.9		ug/L		0.8	20
Nickel	6.0		5.76		ug/L		5	20
Potassium	59900		60550		ug/L		1	20
Selenium	2.5	U	0.485	J	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	346000		346600		ug/L		0.2	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	6.6		6.46		ug/L		2	20
Zinc	16.0	U	16.0	U	ug/L		NC	20

Lab Sample ID: MB 460-1018770/1-A

Matrix: Water

Analysis Batch: 1018820

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 1018770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13.44	J	40.0	11.7	ug/L		01/30/25 10:24	01/30/25 19:02	1
Antimony	2.0	U	2.0	0.48	ug/L		01/30/25 10:24	01/30/25 19:02	1
Arsenic	2.0	U	2.0	1.2	ug/L		01/30/25 10:24	01/30/25 19:02	1
Barium	4.0	U	4.0	0.93	ug/L		01/30/25 10:24	01/30/25 19:02	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/30/25 10:24	01/30/25 19:02	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/30/25 10:24	01/30/25 19:02	1
Calcium	500	U	500	31.7	ug/L		01/30/25 10:24	01/30/25 19:02	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1018770/1-A

Matrix: Water

Analysis Batch: 1018820

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 1018770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	4.0	U	4.0	1.7	ug/L		01/30/25 10:24	01/30/25 19:02	1
Cobalt	4.0	U	4.0	0.41	ug/L		01/30/25 10:24	01/30/25 19:02	1
Copper	4.0	U	4.0	2.0	ug/L		01/30/25 10:24	01/30/25 19:02	1
Iron	120	U	120	33.7	ug/L		01/30/25 10:24	01/30/25 19:02	1
Lead	1.2	U	1.2	0.42	ug/L		01/30/25 10:24	01/30/25 19:02	1
Magnesium	200	U	200	21.8	ug/L		01/30/25 10:24	01/30/25 19:02	1
Manganese	8.0	U	8.0	0.84	ug/L		01/30/25 10:24	01/30/25 19:02	1
Nickel	4.0	U	4.0	1.4	ug/L		01/30/25 10:24	01/30/25 19:02	1
Potassium	200	U	200	83.3	ug/L		01/30/25 10:24	01/30/25 19:02	1
Selenium	2.5	U	2.5	0.43	ug/L		01/30/25 10:24	01/30/25 19:02	1
Silver	2.0	U	2.0	1.3	ug/L		01/30/25 10:24	01/30/25 19:02	1
Sodium	500	U	500	180	ug/L		01/30/25 10:24	01/30/25 19:02	1
Thallium	0.80	U	0.80	0.19	ug/L		01/30/25 10:24	01/30/25 19:02	1
Vanadium	4.0	U	4.0	1.0	ug/L		01/30/25 10:24	01/30/25 19:02	1
Zinc	16.0	U	16.0	4.2	ug/L		01/30/25 10:24	01/30/25 19:02	1

Lab Sample ID: LCS 460-1018770/2-A

Matrix: Water

Analysis Batch: 1018820

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 1018770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2500	2530		ug/L		101	80 - 120
Antimony	25.0	23.26		ug/L		93	80 - 120
Arsenic	50.0	53.05		ug/L		106	80 - 120
Barium	50.0	51.37		ug/L		103	80 - 120
Beryllium	25.0	22.87		ug/L		91	80 - 120
Cadmium	25.0	24.64		ug/L		99	80 - 120
Calcium	2500	2547		ug/L		102	80 - 120
Chromium	50.0	52.67		ug/L		105	80 - 120
Cobalt	25.0	26.24		ug/L		105	80 - 120
Copper	50.0	54.10		ug/L		108	80 - 120
Iron	2500	2777		ug/L		111	80 - 120
Lead	25.0	25.02		ug/L		100	80 - 120
Magnesium	2500	2529		ug/L		101	80 - 120
Manganese	250	265.1		ug/L		106	80 - 120
Nickel	50.0	52.66		ug/L		105	80 - 120
Potassium	2500	2597		ug/L		104	80 - 120
Selenium	50.0	53.26		ug/L		107	80 - 120
Silver	25.0	25.06		ug/L		100	80 - 120
Sodium	2500	2630		ug/L		105	80 - 120
Thallium	20.0	20.06		ug/L		100	80 - 120
Vanadium	50.0	52.76		ug/L		106	80 - 120
Zinc	250	264.0		ug/L		106	80 - 120

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-319154-E-3-C MS

Matrix: Water

Analysis Batch: 1018820

Client Sample ID: Matrix Spike

Prep Type: Total Recoverable

Prep Batch: 1018770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	85.9	B	2500	2562		ug/L		99	75 - 125
Antimony	2.0	U	25.0	24.57		ug/L		98	75 - 125
Arsenic	2.0	U	50.0	50.83		ug/L		102	75 - 125
Barium	28.3		50.0	74.71		ug/L		93	75 - 125
Beryllium	0.80	U	25.0	23.81		ug/L		95	75 - 125
Cadmium	2.0	U	25.0	23.86		ug/L		95	75 - 125
Calcium	41500		2500	43720	4	ug/L		87	75 - 125
Chromium	4.0	U	50.0	50.78		ug/L		102	75 - 125
Cobalt	5.4		25.0	29.72		ug/L		97	75 - 125
Copper	4.0	U	50.0	51.81		ug/L		104	75 - 125
Iron	135		2500	2639		ug/L		100	75 - 125
Lead	0.64	J	25.0	24.88		ug/L		97	75 - 125
Magnesium	10400		2500	12410	4	ug/L		79	75 - 125
Manganese	433		250	664.0		ug/L		92	75 - 125
Nickel	4.4		50.0	53.30		ug/L		98	75 - 125
Potassium	26900		2500	28290	4	ug/L		56	75 - 125
Selenium	2.5	U	50.0	50.59		ug/L		101	75 - 125
Silver	2.0	U	25.0	24.05		ug/L		96	75 - 125
Sodium	108000		2500	105400	4	ug/L		-96	75 - 125
Thallium	0.80	U	20.0	19.44		ug/L		97	75 - 125
Vanadium	4.0	U	50.0	50.58		ug/L		101	75 - 125
Zinc	16.0	U	250	254.0		ug/L		102	75 - 125

Lab Sample ID: 460-319154-E-3-B DU

Matrix: Water

Analysis Batch: 1018820

Client Sample ID: Duplicate

Prep Type: Total Recoverable

Prep Batch: 1018770

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	85.9	B	83.72		ug/L		3	20
Antimony	2.0	U	2.0	U	ug/L		NC	20
Arsenic	2.0	U	2.0	U	ug/L		NC	20
Barium	28.3		27.40		ug/L		3	20
Beryllium	0.80	U	0.80	U	ug/L		NC	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Calcium	41500		40450		ug/L		3	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Cobalt	5.4		5.30		ug/L		3	20
Copper	4.0	U	4.0	U	ug/L		NC	20
Iron	135		137.9		ug/L		2	20
Lead	0.64	J	0.638	J	ug/L		0	20
Magnesium	10400		9939		ug/L		5	20
Manganese	433		416.7		ug/L		4	20
Nickel	4.4		4.22		ug/L		5	20
Potassium	26900		25670		ug/L		5	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20
Sodium	108000		103500		ug/L		4	20
Thallium	0.80	U	0.80	U	ug/L		NC	20
Vanadium	4.0	U	4.0	U	ug/L		NC	20

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-319154-E-3-B DU
Matrix: Water
Analysis Batch: 1018820

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 1018770

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Zinc	16.0	U	16.0	U	ug/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-1017796/1-A
Matrix: Water
Analysis Batch: 1017835

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1017796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		01/23/25 11:38	01/23/25 14:21	1

Lab Sample ID: LCS 460-1017796/2-A
Matrix: Water
Analysis Batch: 1017835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1017796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.999		ug/L		100	80 - 120

Lab Sample ID: 460-319158-2 MS
Matrix: Water
Analysis Batch: 1017835

Client Sample ID: MW-01_20250122
Prep Type: Total/NA
Prep Batch: 1017796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.05		ug/L		105	75 - 125

Lab Sample ID: 460-319158-2 MSD
Matrix: Water
Analysis Batch: 1017835

Client Sample ID: MW-01_20250122
Prep Type: Total/NA
Prep Batch: 1017796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.20	U	1.00	1.03		ug/L		103	75 - 125	2	20

Lab Sample ID: 460-319158-2 DU
Matrix: Water
Analysis Batch: 1017835

Client Sample ID: MW-01_20250122
Prep Type: Total/NA
Prep Batch: 1017796

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-1018581/1-A
Matrix: Water
Analysis Batch: 1018647

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		01/29/25 11:25	01/29/25 13:34	1

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 460-1018581/2-A
Matrix: Water
Analysis Batch: 1018647

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.03		ug/L		103	80 - 120

Lab Sample ID: 460-319086-E-5-C MS
Matrix: Water
Analysis Batch: 1018647

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018581

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.03		ug/L		103	75 - 125

Lab Sample ID: 460-319086-E-5-B DU
Matrix: Water
Analysis Batch: 1018647

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1018581

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-1017691/10
Matrix: Water
Analysis Batch: 1017691

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10.0	U	10.0	8.1	ug/L			01/22/25 22:17	1

Lab Sample ID: LCSSRM 460-1017691/11
Matrix: Water
Analysis Batch: 1017691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	74.7	77.02		ug/L		103.1	84.2 - 114.5

Lab Sample ID: MRL 460-1017691/9
Matrix: Water
Analysis Batch: 1017691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	10.47		ug/L		105	50 - 150

Lab Sample ID: 460-319158-2 MS
Matrix: Water
Analysis Batch: 1017691

Client Sample ID: MW-01_20250122
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	U	150	159.5		ug/L		106	85 - 115

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 460-319158-2 DU

Matrix: Water

Analysis Batch: 1017691

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cr (VI)	10.0	U	10.0	U	ug/L		NC	20

Lab Sample ID: MB 460-1018378/10

Matrix: Water

Analysis Batch: 1018378

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	10.0	U	10.0	8.1	ug/L			01/28/25 09:10	1

Lab Sample ID: LCSSRM 460-1018378/11

Matrix: Water

Analysis Batch: 1018378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	77.6	77.13		ug/L		99.4	84.1 - 114.4

Lab Sample ID: MRL 460-1018378/9

Matrix: Water

Analysis Batch: 1018378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	9.54	J	ug/L		95	50 - 150

Lab Sample ID: 460-319369-1 MS

Matrix: Water

Analysis Batch: 1018378

Client Sample ID: MW-03_20250127

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	10.0	U	300	294.8		ug/L		98	85 - 115

Lab Sample ID: 460-319369-1 DU

Matrix: Water

Analysis Batch: 1018378

Client Sample ID: MW-03_20250127

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cr (VI)	10.0	U	10.0	U	ug/L		NC	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 460-1018026/13-A

Matrix: Water

Analysis Batch: 1018045

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1018026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	10.0	U	10.0	4.0	ug/L		01/24/25 17:52	01/24/25 20:48	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 460-1018026/14-A
Matrix: Water
Analysis Batch: 1018045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	100	92.20		ug/L		92	85 - 115

Lab Sample ID: MRL 460-1018026/12-A
Matrix: Water
Analysis Batch: 1018045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018026

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0112		mg/L		112	50 - 150

Lab Sample ID: 460-319158-2 MS
Matrix: Water
Analysis Batch: 1018045

Client Sample ID: MW-01_20250122
Prep Type: Total/NA
Prep Batch: 1018026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	858		200	1010	4	ug/L		76	90 - 110

Lab Sample ID: 460-319158-2 MSD
Matrix: Water
Analysis Batch: 1018045

Client Sample ID: MW-01_20250122
Prep Type: Total/NA
Prep Batch: 1018026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	858		200	1075	4	ug/L		109	90 - 110	6	35

Lab Sample ID: MB 460-1018763/13-A
Matrix: Water
Analysis Batch: 1018797

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	10.0	U	10.0	4.0	ug/L		01/30/25 09:24	01/30/25 12:36	1

Lab Sample ID: LCS 460-1018763/14-A
Matrix: Water
Analysis Batch: 1018797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	100	98.00		ug/L		98	85 - 115

Lab Sample ID: MRL 460-1018763/12-A
Matrix: Water
Analysis Batch: 1018797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018763

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0101		mg/L		101	50 - 150

Lab Sample ID: 460-319086-F-1-B MS
Matrix: Water
Analysis Batch: 1018797

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018763

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	10.0	U	200	201.0		ug/L		101	90 - 110

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: 460-319086-F-1-C MSD

Matrix: Water

Analysis Batch: 1018797

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 1018763

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	10.0	U	200	201.0		ug/L		101	90 - 110	0	35

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

GC/MS VOA

Analysis Batch: 1017719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	8260D	
460-319158-2	MW-01_20250122	Total/NA	Water	8260D	
460-319158-3	MW-0X_20250122	Total/NA	Water	8260D	
460-319158-4	FB-01_20250122	Total/NA	Water	8260D	
460-319158-5	TB-01_20250122	Total/NA	Water	8260D	
MB 460-1017719/8	Method Blank	Total/NA	Water	8260D	
LCS 460-1017719/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1017719/5	Lab Control Sample Dup	Total/NA	Water	8260D	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	8260D	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	8260D	

Analysis Batch: 1018632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	8260D	
MB 460-1018632/9	Method Blank	Total/NA	Water	8260D	
LCS 460-1018632/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1018632/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 1017771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	3510C	
460-319158-2	MW-01_20250122	Total/NA	Water	3510C	
460-319158-3	MW-0X_20250122	Total/NA	Water	3510C	
460-319158-4	FB-01_20250122	Total/NA	Water	3510C	
MB 460-1017771/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1017771/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1017771/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	3510C	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	3510C	

Prep Batch: 1017773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	3510C	
460-319158-2	MW-01_20250122	Total/NA	Water	3510C	
460-319158-3	MW-0X_20250122	Total/NA	Water	3510C	
460-319158-4	FB-01_20250122	Total/NA	Water	3510C	
MB 460-1017773/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1017773/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1017773/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	3510C	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	3510C	

Analysis Batch: 1017842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	8270E SIM ID	1017773
460-319158-2	MW-01_20250122	Total/NA	Water	8270E SIM ID	1017773
460-319158-3	MW-0X_20250122	Total/NA	Water	8270E SIM ID	1017773
460-319158-4	FB-01_20250122	Total/NA	Water	8270E SIM ID	1017773
MB 460-1017773/1-A	Method Blank	Total/NA	Water	8270E SIM ID	1017773

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

GC/MS Semi VOA (Continued)

Analysis Batch: 1017842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-1017773/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	1017773
LCSD 460-1017773/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	1017773
460-319158-2 MS	MW-01_20250122	Total/NA	Water	8270E SIM ID	1017773
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	8270E SIM ID	1017773

Analysis Batch: 1017857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	8270E	1017771
460-319158-2	MW-01_20250122	Total/NA	Water	8270E	1017771
460-319158-3	MW-0X_20250122	Total/NA	Water	8270E	1017771
460-319158-4	FB-01_20250122	Total/NA	Water	8270E	1017771
MB 460-1017771/1-A	Method Blank	Total/NA	Water	8270E	1017771
LCS 460-1017771/2-A	Lab Control Sample	Total/NA	Water	8270E	1017771
LCSD 460-1017771/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	1017771
460-319158-2 MS	MW-01_20250122	Total/NA	Water	8270E	1017771
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	8270E	1017771

Prep Batch: 1018363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	3510C	
MB 460-1018363/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1018363/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1018363/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 1018383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	3510C	
MB 460-1018383/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1018383/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1018383/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1018391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	8270E	1018383
MB 460-1018383/1-A	Method Blank	Total/NA	Water	8270E	1018383
LCS 460-1018383/2-A	Lab Control Sample	Total/NA	Water	8270E	1018383
LCSD 460-1018383/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	1018383

Analysis Batch: 1018435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	8270E SIM ID	1018363
MB 460-1018363/1-A	Method Blank	Total/NA	Water	8270E SIM ID	1018363
LCS 460-1018363/2-A	Lab Control Sample	Total/NA	Water	8270E SIM ID	1018363
LCSD 460-1018363/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM ID	1018363

GC Semi VOA

Prep Batch: 600140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	3510C	
460-319158-2	MW-01_20250122	Total/NA	Water	3510C	

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

GC Semi VOA (Continued)

Prep Batch: 600140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-3	MW-0X_20250122	Total/NA	Water	3510C	
460-319158-4	FB-01_20250122	Total/NA	Water	3510C	
MB 410-600140/1-B	Method Blank	Total/NA	Water	3510C	
MB 410-600140/1-C	Method Blank	Total/NA	Water	3510C	
LCS 410-600140/2-B	Lab Control Sample	Total/NA	Water	3510C	
LCS 410-600140/2-C	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-600140/3-B	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 410-600140/3-C	Lab Control Sample Dup	Total/NA	Water	3510C	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	3510C	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	3510C	

Cleanup Batch: 600206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	3630C	600140
460-319158-1	MW-02_20250122	Total/NA	Water	3630C	600140
460-319158-2	MW-01_20250122	Total/NA	Water	3630C	600140
460-319158-2	MW-01_20250122	Total/NA	Water	3630C	600140
460-319158-3	MW-0X_20250122	Total/NA	Water	3630C	600140
460-319158-3	MW-0X_20250122	Total/NA	Water	3630C	600140
460-319158-4	FB-01_20250122	Total/NA	Water	3630C	600140
460-319158-4	FB-01_20250122	Total/NA	Water	3630C	600140
MB 410-600140/1-B	Method Blank	Total/NA	Water	3630C	600140
MB 410-600140/1-C	Method Blank	Total/NA	Water	3630C	600140
LCS 410-600140/2-B	Lab Control Sample	Total/NA	Water	3630C	600140
LCS 410-600140/2-C	Lab Control Sample	Total/NA	Water	3630C	600140
LCSD 410-600140/3-B	Lab Control Sample Dup	Total/NA	Water	3630C	600140
LCSD 410-600140/3-C	Lab Control Sample Dup	Total/NA	Water	3630C	600140
460-319158-2 MS	MW-01_20250122	Total/NA	Water	3630C	600140
460-319158-2 MS	MW-01_20250122	Total/NA	Water	3630C	600140
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	3630C	600140
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	3630C	600140

Analysis Batch: 600460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	MA-EPH	600206
460-319158-2	MW-01_20250122	Total/NA	Water	MA-EPH	600206
460-319158-3	MW-0X_20250122	Total/NA	Water	MA-EPH	600206
460-319158-4	FB-01_20250122	Total/NA	Water	MA-EPH	600206
MB 410-600140/1-C	Method Blank	Total/NA	Water	MA-EPH	600206
LCS 410-600140/2-C	Lab Control Sample	Total/NA	Water	MA-EPH	600206
LCSD 410-600140/3-C	Lab Control Sample Dup	Total/NA	Water	MA-EPH	600206
460-319158-2 MS	MW-01_20250122	Total/NA	Water	MA-EPH	600206
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	MA-EPH	600206

Analysis Batch: 600461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	MA-EPH	600206
460-319158-2	MW-01_20250122	Total/NA	Water	MA-EPH	600206
460-319158-3	MW-0X_20250122	Total/NA	Water	MA-EPH	600206
460-319158-4	FB-01_20250122	Total/NA	Water	MA-EPH	600206
MB 410-600140/1-B	Method Blank	Total/NA	Water	MA-EPH	600206

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

GC Semi VOA (Continued)

Analysis Batch: 600461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-600140/2-B	Lab Control Sample	Total/NA	Water	MA-EPH	600206
LCSD 410-600140/3-B	Lab Control Sample Dup	Total/NA	Water	MA-EPH	600206
460-319158-2 MS	MW-01_20250122	Total/NA	Water	MA-EPH	600206
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	MA-EPH	600206

Prep Batch: 600679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	3510C	
MB 410-600679/1-B	Method Blank	Total/NA	Water	3510C	
MB 410-600679/1-C	Method Blank	Total/NA	Water	3510C	
LCS 410-600679/2-B	Lab Control Sample	Total/NA	Water	3510C	
LCS 410-600679/2-C	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-600679/3-B	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 410-600679/3-C	Lab Control Sample Dup	Total/NA	Water	3510C	

Cleanup Batch: 601614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	3630C	600679
460-319369-1	MW-03_20250127	Total/NA	Water	3630C	600679
MB 410-600679/1-B	Method Blank	Total/NA	Water	3630C	600679
MB 410-600679/1-C	Method Blank	Total/NA	Water	3630C	600679
LCS 410-600679/2-B	Lab Control Sample	Total/NA	Water	3630C	600679
LCS 410-600679/2-C	Lab Control Sample	Total/NA	Water	3630C	600679
LCSD 410-600679/3-B	Lab Control Sample Dup	Total/NA	Water	3630C	600679
LCSD 410-600679/3-C	Lab Control Sample Dup	Total/NA	Water	3630C	600679

Analysis Batch: 601844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	MA-EPH	601614
MB 410-600679/1-B	Method Blank	Total/NA	Water	MA-EPH	601614
LCS 410-600679/2-B	Lab Control Sample	Total/NA	Water	MA-EPH	601614
LCSD 410-600679/3-B	Lab Control Sample Dup	Total/NA	Water	MA-EPH	601614

Analysis Batch: 602286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	MA-EPH	601614
MB 410-600679/1-C	Method Blank	Total/NA	Water	MA-EPH	601614
LCS 410-600679/2-C	Lab Control Sample	Total/NA	Water	MA-EPH	601614
LCSD 410-600679/3-C	Lab Control Sample Dup	Total/NA	Water	MA-EPH	601614

Prep Batch: 1017861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	8151A	
460-319158-2	MW-01_20250122	Total/NA	Water	8151A	
460-319158-3	MW-0X_20250122	Total/NA	Water	8151A	
460-319158-4	FB-01_20250122	Total/NA	Water	8151A	
MB 460-1017861/1-A	Method Blank	Total/NA	Water	8151A	
LCS 460-1017861/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 460-1017861/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	8151A	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	8151A	

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

GC Semi VOA

Prep Batch: 1017866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	3510C	
460-319158-2	MW-01_20250122	Total/NA	Water	3510C	
460-319158-3	MW-0X_20250122	Total/NA	Water	3510C	
460-319158-4	FB-01_20250122	Total/NA	Water	3510C	
MB 460-1017866/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1017866/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1017866/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	3510C	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	3510C	

Prep Batch: 1017868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	3510C	
460-319158-2	MW-01_20250122	Total/NA	Water	3510C	
460-319158-3	MW-0X_20250122	Total/NA	Water	3510C	
460-319158-4	FB-01_20250122	Total/NA	Water	3510C	
MB 460-1017868/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1017868/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1017868/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	3510C	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	3510C	

Analysis Batch: 1017886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	8081B	1017868
460-319158-2	MW-01_20250122	Total/NA	Water	8081B	1017868
460-319158-3	MW-0X_20250122	Total/NA	Water	8081B	1017868
460-319158-4	FB-01_20250122	Total/NA	Water	8081B	1017868
MB 460-1017868/1-A	Method Blank	Total/NA	Water	8081B	1017868
LCS 460-1017868/2-A	Lab Control Sample	Total/NA	Water	8081B	1017868
LCSD 460-1017868/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	1017868
460-319158-2 MS	MW-01_20250122	Total/NA	Water	8081B	1017868
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	8081B	1017868

Analysis Batch: 1017892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	8082A	1017866
460-319158-2	MW-01_20250122	Total/NA	Water	8082A	1017866
460-319158-3	MW-0X_20250122	Total/NA	Water	8082A	1017866
460-319158-4	FB-01_20250122	Total/NA	Water	8082A	1017866
MB 460-1017866/1-A	Method Blank	Total/NA	Water	8082A	1017866
LCS 460-1017866/2-A	Lab Control Sample	Total/NA	Water	8082A	1017866
LCSD 460-1017866/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	1017866
460-319158-2 MS	MW-01_20250122	Total/NA	Water	8082A	1017866
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	8082A	1017866

Analysis Batch: 1017895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	8151A	1017861
460-319158-2	MW-01_20250122	Total/NA	Water	8151A	1017861
460-319158-3	MW-0X_20250122	Total/NA	Water	8151A	1017861

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

GC Semi VOA (Continued)

Analysis Batch: 1017895 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-4	FB-01_20250122	Total/NA	Water	8151A	1017861
MB 460-1017861/1-A	Method Blank	Total/NA	Water	8151A	1017861
LCS 460-1017861/2-A	Lab Control Sample	Total/NA	Water	8151A	1017861
LCSD 460-1017861/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	1017861
460-319158-2 MS	MW-01_20250122	Total/NA	Water	8151A	1017861
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	8151A	1017861

Leach Batch: 1018130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 460-1018130/1-E	Method Blank	Total/NA	Water	1311	
460-319129-A-1-H MS	Matrix Spike	TCLP	Water	1311	

Prep Batch: 1018283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	8151A	
LB 460-1018130/1-E	Method Blank	Total/NA	Water	8151A	1018130
MB 460-1018283/1-A	Method Blank	Total/NA	Water	8151A	
LCS 460-1018283/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 460-1018283/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
460-319129-A-1-H MS	Matrix Spike	TCLP	Water	8151A	1018130

Analysis Batch: 1018301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	8151A	1018283
LB 460-1018130/1-E	Method Blank	Total/NA	Water	8151A	1018283
MB 460-1018283/1-A	Method Blank	Total/NA	Water	8151A	1018283
LCS 460-1018283/2-A	Lab Control Sample	Total/NA	Water	8151A	1018283
LCSD 460-1018283/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	1018283
460-319129-A-1-H MS	Matrix Spike	TCLP	Water	8151A	1018283

Prep Batch: 1018366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	3510C	
MB 460-1018366/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1018366/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1018366/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 1018372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	3510C	
MB 460-1018372/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1018372/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1018372/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1018406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	8081B	1018372
MB 460-1018372/1-A	Method Blank	Total/NA	Water	8081B	1018372
LCS 460-1018372/2-A	Lab Control Sample	Total/NA	Water	8081B	1018372
LCSD 460-1018372/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	1018372

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

GC Semi VOA

Analysis Batch: 1018427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	8082A	1018366
MB 460-1018366/1-A	Method Blank	Total/NA	Water	8082A	1018366
LCS 460-1018366/2-A	Lab Control Sample	Total/NA	Water	8082A	1018366
LCSD 460-1018366/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	1018366

Prep Batch: 1018883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	3510C	
MB 460-1018883/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1018883/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1018883/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1018959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	8015D	1018883
MB 460-1018883/1-A	Method Blank	Total/NA	Water	8015D	1018883
LCS 460-1018883/2-A	Lab Control Sample	Total/NA	Water	8015D	1018883
LCSD 460-1018883/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	1018883

Metals

Prep Batch: 1017796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	7470A	
460-319158-2	MW-01_20250122	Total/NA	Water	7470A	
460-319158-3	MW-0X_20250122	Total/NA	Water	7470A	
460-319158-4	FB-01_20250122	Total/NA	Water	7470A	
MB 460-1017796/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-1017796/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	7470A	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	7470A	
460-319158-2 DU	MW-01_20250122	Total/NA	Water	7470A	

Analysis Batch: 1017835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	7470A	1017796
460-319158-2	MW-01_20250122	Total/NA	Water	7470A	1017796
460-319158-3	MW-0X_20250122	Total/NA	Water	7470A	1017796
460-319158-4	FB-01_20250122	Total/NA	Water	7470A	1017796
MB 460-1017796/1-A	Method Blank	Total/NA	Water	7470A	1017796
LCS 460-1017796/2-A	Lab Control Sample	Total/NA	Water	7470A	1017796
460-319158-2 MS	MW-01_20250122	Total/NA	Water	7470A	1017796
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	7470A	1017796
460-319158-2 DU	MW-01_20250122	Total/NA	Water	7470A	1017796

Prep Batch: 1018232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total Recoverable	Water	3005A	
460-319158-2	MW-01_20250122	Total Recoverable	Water	3005A	
460-319158-3	MW-0X_20250122	Total Recoverable	Water	3005A	
460-319158-4	FB-01_20250122	Total Recoverable	Water	3005A	

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Metals (Continued)

Prep Batch: 1018232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1018232/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-1018232/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-319158-2 MS	MW-01_20250122	Total Recoverable	Water	3005A	
460-319158-2 MSD	MW-01_20250122	Total Recoverable	Water	3005A	
460-319158-2 DU	MW-01_20250122	Total Recoverable	Water	3005A	

Analysis Batch: 1018258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total Recoverable	Water	6020B	1018232
460-319158-2	MW-01_20250122	Total Recoverable	Water	6020B	1018232
460-319158-3	MW-0X_20250122	Total Recoverable	Water	6020B	1018232
460-319158-4	FB-01_20250122	Total Recoverable	Water	6020B	1018232
MB 460-1018232/1-A	Method Blank	Total Recoverable	Water	6020B	1018232
LCS 460-1018232/2-A	Lab Control Sample	Total Recoverable	Water	6020B	1018232
460-319158-2 MS	MW-01_20250122	Total Recoverable	Water	6020B	1018232
460-319158-2 MSD	MW-01_20250122	Total Recoverable	Water	6020B	1018232
460-319158-2 DU	MW-01_20250122	Total Recoverable	Water	6020B	1018232

Prep Batch: 1018581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	7470A	
MB 460-1018581/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-1018581/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-319086-E-5-C MS	Matrix Spike	Total/NA	Water	7470A	
460-319086-E-5-B DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 1018647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	7470A	1018581
MB 460-1018581/1-A	Method Blank	Total/NA	Water	7470A	1018581
LCS 460-1018581/2-A	Lab Control Sample	Total/NA	Water	7470A	1018581
460-319086-E-5-C MS	Matrix Spike	Total/NA	Water	7470A	1018581
460-319086-E-5-B DU	Duplicate	Total/NA	Water	7470A	1018581

Prep Batch: 1018770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total Recoverable	Water	3005A	
MB 460-1018770/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-1018770/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-319154-E-3-C MS	Matrix Spike	Total Recoverable	Water	3005A	
460-319154-E-3-B DU	Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 1018820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total Recoverable	Water	6020B	1018770
MB 460-1018770/1-A	Method Blank	Total Recoverable	Water	6020B	1018770
LCS 460-1018770/2-A	Lab Control Sample	Total Recoverable	Water	6020B	1018770
460-319154-E-3-C MS	Matrix Spike	Total Recoverable	Water	6020B	1018770
460-319154-E-3-B DU	Duplicate	Total Recoverable	Water	6020B	1018770

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

General Chemistry

Analysis Batch: 1017691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	7196A	
460-319158-2	MW-01_20250122	Total/NA	Water	7196A	
460-319158-3	MW-0X_20250122	Total/NA	Water	7196A	
460-319158-4	FB-01_20250122	Total/NA	Water	7196A	
MB 460-1017691/10	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-1017691/11	Lab Control Sample	Total/NA	Water	7196A	
MRL 460-1017691/9	Lab Control Sample	Total/NA	Water	7196A	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	7196A	
460-319158-2 DU	MW-01_20250122	Total/NA	Water	7196A	

Prep Batch: 1018026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	9012B	
460-319158-2	MW-01_20250122	Total/NA	Water	9012B	
460-319158-3	MW-0X_20250122	Total/NA	Water	9012B	
460-319158-4	FB-01_20250122	Total/NA	Water	9012B	
MB 460-1018026/13-A	Method Blank	Total/NA	Water	9012B	
LCS 460-1018026/14-A	Lab Control Sample	Total/NA	Water	9012B	
MRL 460-1018026/12-A	Lab Control Sample	Total/NA	Water	9012B	
460-319158-2 MS	MW-01_20250122	Total/NA	Water	9012B	
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	9012B	

Analysis Batch: 1018045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	9012B	1018026
460-319158-2	MW-01_20250122	Total/NA	Water	9012B	1018026
460-319158-3	MW-0X_20250122	Total/NA	Water	9012B	1018026
460-319158-4	FB-01_20250122	Total/NA	Water	9012B	1018026
MB 460-1018026/13-A	Method Blank	Total/NA	Water	9012B	1018026
LCS 460-1018026/14-A	Lab Control Sample	Total/NA	Water	9012B	1018026
MRL 460-1018026/12-A	Lab Control Sample	Total/NA	Water	9012B	1018026
460-319158-2 MS	MW-01_20250122	Total/NA	Water	9012B	1018026
460-319158-2 MSD	MW-01_20250122	Total/NA	Water	9012B	1018026

Analysis Batch: 1018378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	7196A	
MB 460-1018378/10	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-1018378/11	Lab Control Sample	Total/NA	Water	7196A	
MRL 460-1018378/9	Lab Control Sample	Total/NA	Water	7196A	
460-319369-1 MS	MW-03_20250127	Total/NA	Water	7196A	
460-319369-1 DU	MW-03_20250127	Total/NA	Water	7196A	

Analysis Batch: 1018384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	7196A	

Analysis Batch: 1018430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-1	MW-02_20250122	Total/NA	Water	7196A	
460-319158-2	MW-01_20250122	Total/NA	Water	7196A	

Eurofins Edison

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

General Chemistry (Continued)

Analysis Batch: 1018430 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319158-3	MW-0X_20250122	Total/NA	Water	7196A	
460-319158-4	FB-01_20250122	Total/NA	Water	7196A	

Prep Batch: 1018763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	9012B	
MB 460-1018763/13-A	Method Blank	Total/NA	Water	9012B	
LCS 460-1018763/14-A	Lab Control Sample	Total/NA	Water	9012B	
MRL 460-1018763/12-A	Lab Control Sample	Total/NA	Water	9012B	
460-319086-F-1-B MS	Matrix Spike	Total/NA	Water	9012B	
460-319086-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	

Analysis Batch: 1018797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319369-1	MW-03_20250127	Total/NA	Water	9012B	1018763
MB 460-1018763/13-A	Method Blank	Total/NA	Water	9012B	1018763
LCS 460-1018763/14-A	Lab Control Sample	Total/NA	Water	9012B	1018763
MRL 460-1018763/12-A	Lab Control Sample	Total/NA	Water	9012B	1018763
460-319086-F-1-B MS	Matrix Spike	Total/NA	Water	9012B	1018763
460-319086-F-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	9012B	1018763

Lab Chronicle

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319158-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1017719	SZD	EET EDI	01/23/25 12:41
Total/NA	Prep	3510C			1017771	ZEH	EET EDI	01/23/25 10:04
Total/NA	Analysis	8270E		1	1017857	MME	EET EDI	01/23/25 22:27
Total/NA	Prep	3510C			1017773	ZEH	EET EDI	01/23/25 10:06
Total/NA	Analysis	8270E SIM ID		1	1017842	MME	EET EDI	01/23/25 23:41
Total/NA	Prep	3510C			1017868	JMS	EET EDI	01/23/25 20:22
Total/NA	Analysis	8081B		1	1017886	FAM	EET EDI	01/24/25 08:48
Total/NA	Prep	3510C			1017866	JMS	EET EDI	01/23/25 20:09
Total/NA	Analysis	8082A		1	1017892	JHP	EET EDI	01/24/25 13:23
Total/NA	Prep	8151A			1017861	JMS	EET EDI	01/23/25 19:30
Total/NA	Analysis	8151A		1	1017895	FAM	EET EDI	01/24/25 11:55
Total/NA	Prep	3510C			600140	UKL2	ELLE	01/28/25 21:18 - 01/29/25 02:17 ¹
Total/NA	Cleanup	3630C			600206	QKX3	ELLE	01/29/25 07:43
Total/NA	Analysis	MA-EPH		1	600460	UHEW	ELLE	01/29/25 20:02
Total/NA	Prep	3510C			600140	UKL2	ELLE	01/28/25 21:18 - 01/29/25 02:17 ¹
Total/NA	Cleanup	3630C			600206	QKX3	ELLE	01/29/25 07:43
Total/NA	Analysis	MA-EPH		1	600461	UHEW	ELLE	01/29/25 20:02
Total Recoverable	Prep	3005A			1018232	NNW	EET EDI	01/27/25 10:08
Total Recoverable	Analysis	6020B		1	1018258	MDC	EET EDI	01/27/25 16:24
Total/NA	Prep	7470A			1017796	RBS	EET EDI	01/23/25 11:38
Total/NA	Analysis	7470A		1	1017835	RBS	EET EDI	01/23/25 14:55
Total/NA	Analysis	7196A		1	1018430	JMP	EET EDI	01/28/25 16:44
Total/NA	Analysis	7196A		1	1017691	VBG	EET EDI	01/22/25 22:17
Total/NA	Prep	9012B			1018026	VBG	EET EDI	01/24/25 17:52
Total/NA	Analysis	9012B		3	1018045	VBG	EET EDI	01/24/25 21:20

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1017719	SZD	EET EDI	01/23/25 12:19
Total/NA	Prep	3510C			1017771	ZEH	EET EDI	01/23/25 10:04
Total/NA	Analysis	8270E		1	1017857	MME	EET EDI	01/23/25 22:48
Total/NA	Prep	3510C			1017773	ZEH	EET EDI	01/23/25 10:06
Total/NA	Analysis	8270E SIM ID		1	1017842	MME	EET EDI	01/23/25 23:56
Total/NA	Prep	3510C			1017868	JMS	EET EDI	01/23/25 20:22
Total/NA	Analysis	8081B		1	1017886	FAM	EET EDI	01/24/25 08:09
Total/NA	Prep	3510C			1017866	JMS	EET EDI	01/23/25 20:09
Total/NA	Analysis	8082A		1	1017892	JHP	EET EDI	01/24/25 13:40
Total/NA	Prep	8151A			1017861	JMS	EET EDI	01/23/25 19:30
Total/NA	Analysis	8151A		1	1017895	FAM	EET EDI	01/24/25 12:14

Lab Chronicle

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319158-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			600140	UKL2	ELLE	01/28/25 21:18 - 01/29/25 02:17 ¹
Total/NA	Cleanup	3630C			600206	QKX3	ELLE	01/29/25 07:43
Total/NA	Analysis	MA-EPH		1	600460	UHEW	ELLE	01/29/25 20:24
Total/NA	Prep	3510C			600140	UKL2	ELLE	01/28/25 21:18 - 01/29/25 02:17 ¹
Total/NA	Cleanup	3630C			600206	QKX3	ELLE	01/29/25 07:43
Total/NA	Analysis	MA-EPH		1	600461	UHEW	ELLE	01/29/25 20:24
Total Recoverable	Prep	3005A			1018232	NNW	EET EDI	01/27/25 10:08
Total Recoverable	Analysis	6020B		1	1018258	MDC	EET EDI	01/27/25 16:11
Total/NA	Prep	7470A			1017796	RBS	EET EDI	01/23/25 11:38
Total/NA	Analysis	7470A		1	1017835	RBS	EET EDI	01/23/25 14:24
Total/NA	Analysis	7196A		1	1018430	JMP	EET EDI	01/28/25 16:44
Total/NA	Analysis	7196A		1	1017691	VBG	EET EDI	01/22/25 22:17
Total/NA	Prep	9012B			1018026	VBG	EET EDI	01/24/25 17:52
Total/NA	Analysis	9012B		3	1018045	VBG	EET EDI	01/24/25 21:18

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1017719	SZD	EET EDI	01/23/25 13:03
Total/NA	Prep	3510C			1017771	ZEH	EET EDI	01/23/25 10:04
Total/NA	Analysis	8270E		1	1017857	MME	EET EDI	01/23/25 23:09
Total/NA	Prep	3510C			1017773	ZEH	EET EDI	01/23/25 10:06
Total/NA	Analysis	8270E SIM ID		1	1017842	MME	EET EDI	01/24/25 00:12
Total/NA	Prep	3510C			1017868	JMS	EET EDI	01/23/25 20:22
Total/NA	Analysis	8081B		1	1017886	FAM	EET EDI	01/24/25 09:01
Total/NA	Prep	3510C			1017866	JMS	EET EDI	01/23/25 20:09
Total/NA	Analysis	8082A		1	1017892	JHP	EET EDI	01/24/25 14:30
Total/NA	Prep	8151A			1017861	JMS	EET EDI	01/23/25 19:30
Total/NA	Analysis	8151A		1	1017895	FAM	EET EDI	01/24/25 13:10
Total/NA	Prep	3510C			600140	UKL2	ELLE	01/28/25 21:18 - 01/29/25 02:17 ¹
Total/NA	Cleanup	3630C			600206	QKX3	ELLE	01/29/25 07:43
Total/NA	Analysis	MA-EPH		1	600460	UHEW	ELLE	01/29/25 21:31
Total/NA	Prep	3510C			600140	UKL2	ELLE	01/28/25 21:18 - 01/29/25 02:17 ¹
Total/NA	Cleanup	3630C			600206	QKX3	ELLE	01/29/25 07:43
Total/NA	Analysis	MA-EPH		1	600461	UHEW	ELLE	01/29/25 21:31
Total Recoverable	Prep	3005A			1018232	NNW	EET EDI	01/27/25 10:08
Total Recoverable	Analysis	6020B		1	1018258	MDC	EET EDI	01/27/25 16:26
Total/NA	Prep	7470A			1017796	RBS	EET EDI	01/23/25 11:38
Total/NA	Analysis	7470A		1	1017835	RBS	EET EDI	01/23/25 14:57
Total/NA	Analysis	7196A		1	1018430	JMP	EET EDI	01/28/25 16:44
Total/NA	Analysis	7196A		1	1017691	VBG	EET EDI	01/22/25 22:17

Eurofins Edison

Lab Chronicle

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-0X_20250122

Lab Sample ID: 460-319158-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			1018026	VBG	EET EDI	01/24/25 17:52
Total/NA	Analysis	9012B		3	1018045	VBG	EET EDI	01/24/25 21:21

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319158-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1017719	SZD	EET EDI	01/23/25 11:34
Total/NA	Prep	3510C			1017771	ZEH	EET EDI	01/23/25 10:04
Total/NA	Analysis	8270E		1	1017857	MME	EET EDI	01/23/25 23:30
Total/NA	Prep	3510C			1017773	ZEH	EET EDI	01/23/25 10:06
Total/NA	Analysis	8270E SIM ID		1	1017842	MME	EET EDI	01/24/25 00:27
Total/NA	Prep	3510C			1017868	JMS	EET EDI	01/23/25 20:22
Total/NA	Analysis	8081B		1	1017886	FAM	EET EDI	01/24/25 09:14
Total/NA	Prep	3510C			1017866	JMS	EET EDI	01/23/25 20:09
Total/NA	Analysis	8082A		1	1017892	JHP	EET EDI	01/24/25 10:19
Total/NA	Prep	8151A			1017861	JMS	EET EDI	01/23/25 19:30
Total/NA	Analysis	8151A		1	1017895	FAM	EET EDI	01/24/25 13:29
Total/NA	Prep	3510C			600140	UKL2	ELLE	01/28/25 21:18 - 01/29/25 02:17 ¹
Total/NA	Cleanup	3630C			600206	QKX3	ELLE	01/29/25 07:43
Total/NA	Analysis	MA-EPH		1	600460	UHEW	ELLE	01/29/25 21:54
Total/NA	Prep	3510C			600140	UKL2	ELLE	01/28/25 21:18 - 01/29/25 02:17 ¹
Total/NA	Cleanup	3630C			600206	QKX3	ELLE	01/29/25 07:43
Total/NA	Analysis	MA-EPH		1	600461	UHEW	ELLE	01/29/25 21:54
Total Recoverable	Prep	3005A			1018232	NNW	EET EDI	01/27/25 10:08
Total Recoverable	Analysis	6020B		1	1018258	MDC	EET EDI	01/27/25 15:53
Total/NA	Prep	7470A			1017796	RBS	EET EDI	01/23/25 11:38
Total/NA	Analysis	7470A		1	1017835	RBS	EET EDI	01/23/25 15:02
Total/NA	Analysis	7196A		1	1018430	JMP	EET EDI	01/28/25 16:44
Total/NA	Analysis	7196A		1	1017691	VBG	EET EDI	01/22/25 22:17
Total/NA	Prep	9012B			1018026	VBG	EET EDI	01/24/25 17:52
Total/NA	Analysis	9012B		1	1018045	VBG	EET EDI	01/24/25 21:09

Client Sample ID: TB-01_20250122

Lab Sample ID: 460-319158-5

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1017719	SZD	EET EDI	01/23/25 11:56

Eurofins Edison

Lab Chronicle

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319369-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1018632	VBP	EET EDI	01/30/25 03:44
Total/NA	Prep	3510C			1018383	NMP	EET EDI	01/28/25 10:04
Total/NA	Analysis	8270E		1	1018391	DXD	EET EDI	01/28/25 16:34
Total/NA	Prep	3510C			1018363	BXP	EET EDI	01/28/25 08:20
Total/NA	Analysis	8270E SIM ID		1	1018435	MME	EET EDI	01/28/25 23:37
Total/NA	Prep	3510C			1018883	JMS	EET EDI	01/31/25 13:17
Total/NA	Analysis	8015D		1	1018959	OXG	EET EDI	01/31/25 14:58
Total/NA	Prep	3510C			1018372	BXP	EET EDI	01/28/25 08:51
Total/NA	Analysis	8081B		1	1018406	FAM	EET EDI	01/28/25 21:49
Total/NA	Prep	3510C			1018366	BXP	EET EDI	01/28/25 08:42
Total/NA	Analysis	8082A		1	1018427	AAA	EET EDI	01/28/25 19:09
Total/NA	Prep	8151A			1018283	JMS	EET EDI	01/28/25 08:56
Total/NA	Analysis	8151A		1	1018301	FAM	EET EDI	01/28/25 15:51
Total/NA	Prep	3510C			600679	ZFS6	ELLE	01/30/25 09:03 - 01/30/25 14:24 ¹
Total/NA	Cleanup	3630C			601614	QKX3	ELLE	02/03/25 07:59
Total/NA	Analysis	MA-EPH		1	601844	UHEW	ELLE	02/03/25 20:28
Total/NA	Prep	3510C			600679	ZFS6	ELLE	01/30/25 09:03 - 01/30/25 14:24 ¹
Total/NA	Cleanup	3630C			601614	QKX3	ELLE	02/03/25 07:59
Total/NA	Analysis	MA-EPH		1	602286	UHEW	ELLE	02/04/25 20:27
Total Recoverable	Prep	3005A			1018770	NNW	EET EDI	01/30/25 10:24
Total Recoverable	Analysis	6020B		1	1018820	JKF	EET EDI	01/30/25 23:34
Total/NA	Prep	7470A			1018581	RBS	EET EDI	01/29/25 11:25
Total/NA	Analysis	7470A		1	1018647	RBS	EET EDI	01/29/25 13:48
Total/NA	Analysis	7196A		1	1018384	LBD	EET EDI	01/29/25 05:05
Total/NA	Analysis	7196A		1	1018378	AXP	EET EDI	01/28/25 09:10
Total/NA	Prep	9012B			1018763	SBW	EET EDI	01/30/25 09:24
Total/NA	Analysis	9012B		1	1018797	AXP	EET EDI	01/30/25 12:50

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
7196A		Water	Cr (III)

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25 *
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-25 *
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-25 *
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Edison

Accreditation/Certification Summary

Client: AKRF Inc

Job ID: 460-319158-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-25 *
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Edison

Method Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8270E SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET EDI
8015D	Diesel Range Organics (DRO) (GC)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
8151A	Herbicides (GC)	SW846	EET EDI
MA-EPH	Massachusetts - Extractable Petroleum Hydrocarbons (GC)	MA DEP	ELLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
7196A	Chromium, Hexavalent	SW846	EET EDI
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable	SW846	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
3630C	Silica Gel Cleanup	SW846	ELLE
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
8151A	Extraction (Herbicides)	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI

Protocol References:

MA DEP = Massachusetts Department Of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319158-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319158-1	MW-02_20250122	Water	01/22/25 10:33	01/22/25 18:00
460-319158-2	MW-01_20250122	Water	01/22/25 13:35	01/22/25 18:00
460-319158-3	MW-0X_20250122	Water	01/22/25 12:00	01/22/25 18:00
460-319158-4	FB-01_20250122	Water	01/22/25 12:05	01/22/25 18:00
460-319158-5	TB-01_20250122	Water	01/22/25 13:35	01/22/25 18:00
460-319369-1	MW-03_20250127	Water	01/27/25 14:30	01/27/25 18:00

Chain of Custody Record



• eurofins

Client Information					
Sampler M.W. Bates / Isabella Legovich	Lab PM Flannery, Elizabeth J	Carrier Tracking No(s)	COC No 460-190529-124698 1		
Phone	E-Mail Elizabeth Flannery@eurofinsus.com	State of Origin	Page Page 1 of 1		
Company AKRF Inc	PWSID	Job # 319158			
Due Date Requested:					
TAT Requested (days): Standard	Preservation Codes: A - HCL N - None D - HNO3 B - NaOH				
Compliance Project: Δ Yes Δ No	Other:				
PO # 200112	Total Number of Containers				
WO #	Special Instructions/Note:				
Project # 46045611					
Site 507 North					
Sample Identification					
MW-02_2025 0122	Sample Date 1/22/25	Sample Time 1033	Sample Type (C=comp, G=grab) G	Matrix (Water Spill, Oil On-surface, BT-Tissue, AARF)	
MW-01_2025 0122		1335		Water	
MW-0X_2025 0122		1200		Water	
FB-01_2025 0122		1205		Water	
TB-01_2025 0122		-		Water	
Barcode: 460-319158 Chain of Custody					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested I, II, III, IV, Other (specify)					
Empty Kit Relinquished by					
Relinquished by M.W. Bates	Date/Time 1/22/25 1550	Company AKRF	Received by M.W. Bates		
Relinquished by	Date/Time	Company	Received by		
Relinquished by	Date/Time	Company	Received by		
Custody Seals Intact Δ Yes Δ No	Custody Seal No no/cr ZL#4	Date/Time 1-22-25 19:00	Cooler Temperature(s) °C and Other Remarks		

Number of Coolers:

IR Gun #

Cooler Temperatures

	RAW	CORRECTED
Cooler #1:	3.50	3.70
Cooler #2:	4.20	4.40
Cooler #3:	5.20	5.90

	RAW	CORRECTED
Cooler #4:	5.3c	5.5c
Cooler #5:	5.5c	5.7c
Cooler #6:		

	RAW	CORRECTED
Cooler #7:	°C	°C
Cooler #8:	°C	°C
Cooler #9:	°C	°C

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted:

Sample No(s). adjusted:

Preservative Name/Conc.:

Volume of Preservative used (ml):

Lot # of Preservative(s):

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Client Information Client Contact: Michael Bates Patrick D. Gagnon Company: AKRF Inc			Lab P/N: Flannery Elizabeth J Phone: Elizabeth Flannery@st.eurofinsus.com E-Mail:			Carrier Tracking No(s): 460-190529-124698.2 State of Origin: NY Page: 1 of 1 Job #: 319369		
Address: 440 Park Avenue South 7th Floor City: New York State, Zip: NY 10016 Phone:			Due Date Requested: TAT Requested (days): Standard Compliance Project: ☐ Yes ☒ No PO #: 200112 WO #:			Email: mbates@akrf.com J.D.Gagnon@AKRF.com Project Name: Bud North 2-21 Malt Drive, Long Island 46045611 SSOW#: Bud North		
Sample Identification MW-03-2025 0127			Sample Date: 1/27/25 1430			Sample Type: (C=Comp, G=grab) G		
Matrix: (Water, Solid, On-water, Soil)			Preservation Code:			Field Filtered Sample (Yes or No)		
MAEPH MA EPH			80150_DRO DRO & ORO			624-T_PRCO-624-TCL VOCs		
8260D TCL VOCs			8270E TCL BNA			8270E_SIM_MS_ID 1,4-Dioxane		
8081B, 8082A			6020B, 7470A			9012B Cyanide, Total		
815A Standard Herbicide List 3 emps			7196A, 7196A_CR3			624-T_PRCO-6250D		
80150_DRO, 8151A			Total Number of containers			Special Instructions/Note:		
Other:			Analysis Requested			Preservation Codes: A HCL N None D HNO3 B NaOH		



460-319369 Chain of Custody

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological			
Deliverable Requested: I II III IV Other (specify)			
Empty Kit Relinquished by:			
Relinquished by: Mike Bates	Date: 1/27/25 1500	Company: AKRF	Received by: [Signature]
Relinquished by: [Signature]	Date: 1-27-25 18:00	Company: AKRF	Received by: [Signature]
Relinquished by: [Signature]	Date:	Company:	Received by:
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements: AHS EQUIS/CAT B, C102 S06

Method of Shipment:

Job Number-

Number of Coolers:

Cooler Temperatures

Cooler #1: 213c 235

Cooler #2:	°C

Cooler #3:	°C	°C

Cooler #4: 8

Cooler #5: °C

Cooler #6: 0

—

३३

[illegible]

If pH adjustments are required record the information below*

Sample No(s). adjusted:

Preservative Name/Conc.

Volume of Preservative used (ml)

Lot # of Preservative(s)

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038 Rev 4.1
10/22/2019

Initials:

Date:

Page 129 of 133

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-319158-1

Login Number: 319158

List Source: Eurofins Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-319158-1

Login Number: 319158

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 01/23/25 10:34 PM

Creator: Reynolds, Benjamin

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-319158-1

Login Number: 319369

List Source: Eurofins Edison

List Number: 1

Creator: Nelson, Rose E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Edison

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-319158-1

Login Number: 319369

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 01/28/25 11:08 PM

Creator: Foreman, Kai

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Edison

February 20, 2025

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Eurofins Edison and Eurofins Lancaster – 460-319158-1

Dear Mr. Diggins:

The evaluation of volatile organic analytical data by Eurofins Edison and Eurofins Lancaster for four water samples, one field blank and one trip blank from the Bud North site, which were reported in a single data package under Job No. 460-319158-1 has been completed. The following samples were reported:

MW-02_20250122 MW-01_20250122 MW-0X_20250122
FB-01_20250122 TB-01_20250122 MW-03_20250127

Analyses were performed in accordance with USEPA Methods 8260D (Volatile Organics), 8270D &E (Semi-Volatile Organics), 8082A (PCBs), 8081B (Pesticides), 8151A (Herbicides), MA EPH Rev. 2.1 (Fractionated Petroleum Hydrocarbons), 8015D (Total Petroleum Hydrocarbons), 6020B (Metals), 7470A (Mercury), 9012B (Cyanide) and 7196A (Hexavalent chromium). The review was performed to the extent possible, in accordance with the analytical methods and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes

5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes
6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

Volatile Organics

- The result for 2-hexanone in all samples are qualified as estimated (UJ) due to low response in the continuing calibration verification (CCV) standard.
- The results for 1,1,2-trichloro-1,2,2-trifluorethane, 1,1-dichloroethene, 2-butanone and cyclohexane in MW-01_20250122 are qualified as estimated (J-, UJ) due to low matrix spike (MS) and/or MS duplicate (MSD) recoveries.

Semi-Volatile Organics (Full Scan)

- The result for benzaldehyde in all samples is qualified as estimated (UJ) due to low response in the CCV.
- The results for all target acid extractable analytes except pentachlorophenol in MW-0X_20250122 and MW-03_20250127 are qualified as estimated (UJ) due to low surrogate recoveries.
- The results for benzo[a]anthracene, 3,3'-dichlorobenzidine, chrysene, bis(2-ethylhexyl) phthalate, di-n-octyl phthalate, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno[1,2,3-cd]pyrene, dibenz(a,h)anthracene and benzo[g,h,i]perylene in MW-02_20250122, MW-01_20250122, FB-01_20250122 and MW-03_20250127 are qualified as estimated (J-, UJ) due to low surrogate recovery.
- The results for 4-nitrophenol, caprolactam and phenol in all samples are qualified as estimated (J-, UJ) due to low recovery in the laboratory control sample (LCS) and/or

LCS duplicate (LCSD).

- The results for 4-chloroaniline, caprolactam and phenol in MW-01_20250122 are qualified as estimated (J-, UJ) due to low MS and/or MSD recovery. The results for 2,4-dimethylphenol and fluoranthene in MW-01_20250122 are qualified as estimated (J+) due to high MS and/or MSD recovery.

Semi-Volatile Organics (Selected Ion Monitoring [SIM])

- Sample results are usable as reported.

PCBs

- Sample results are usable as reported.

Pesticides

- Sample results are usable as reported.

MA Extractable Petroleum Hydrocarbons

- The results for benzo[g,h,i]perylene, benzo[b]fluoranthene, and benzo[a]pyrene in MW-01_20250122 are qualified as estimated (UJ) due to low recoveries in the MSD.

Total Petroleum Hydrocarbons

- The result for ORO (C28-C44) in MW-03_20250127 is qualified as estimated (UJ) due to low recovery in the LCS and LCSD.

Herbicides

- The result for all target herbicides in FB-01_20250122 are qualified as estimated (UJ) due to low surrogate recovery.
- The result for 2,4-D in MW-02_20250122, MW-01_20250122, MW-0X_20250122 and FB-01_20250122 are qualified as estimated (UJ) due to low recovery in the LCSD.
- The results for 2,4,5-T and 2,4-D in MW-01_20250122 are qualified as estimated (UJ) due to low MS recovery and high MS/MSD relative percent difference (RPD).

Metals

- Sample results are usable as reported.

Cyanide

- Sample results are usable as reported.

Hexavalent chromium

- Sample results are usable as reported.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B. Pages from the data package illustrating the exceedances and issues described in this validation report are included in Attachment C.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method blanks
 - Field blanks
 - Trip Blanks
 - Surrogate recoveries
 - LCS/LCSD recoveries
 - MS/MSD recoveries
 - Internal standards
 - Serial dilutions
 - Duplicates
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries
 - Interference Check Standards

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

The report narrative noted that the container label for sample MW-01_20250122 did not match the information listed on the Chain-of-Custody (COC). Some sample containers were labeled MW-03_20250122. The report narrative does not indicate whether the client was notified. The validator confirmed with the client that the contents of the containers were from the correct monitoring well. MW-01 was the only sample collected that day and some of the jars labeled for MW-03 were inadvertently used.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting sample collection date of January 22 and 27, 2025. The samples were received at the laboratory on the same day as sample collection. All samples were received intact and analyzed within method holding time. Samples were sent to Eurofins Lancaster for MA Extractable Petroleum Hydrocarbon (EPH) analysis.

A. Volatile Organics

1. Calibration

One initial calibration (IC) was performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%D$). One CCV was analyzed in support of sample analysis and all percent differences ($\%Ds$) are acceptable ($< 20\%D$), with the exception noted below.

Analyte	%D	Associated Sample	Qualifier Applied
<i>CVOAMS7 01/29/2025 17:21</i>			
2-Hexanone	22.0	All	UJ

The result for 2-hexanone in all samples are qualified as estimated (UJ) due to low response in the CCV.

2. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on sample MW-01_20250122. The MS/MSD are evaluated using control limit of 70-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	MS %R	MSD %R	RPD
1,1,2-Trichloro-1,2,2-trifluorethane	57	67	a
1,1-Dichloroethene	66	a	a
2-Butanone	66	a	a

Cyclohexane	63	a	a

The results for 1,1,2-trichloro-1,2,2-trifluoroethane, 1,1-dichloroethene, 2-butanone and cyclohexane in MW-01_20250122 are qualified as estimated (J-, UJ) due to low MS and/or MSD recoveries.

3. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Precision between paired samples is acceptable ($RPD \leq 30$) and is presented below. Results below the reporting limit are not evaluated.

Analyte	MW-02_20250122 (µg/L)	MW-0X_20250122 (µg/L)	RPD
Ethylbenzene	0.73 J	0.77 J	nc
Toluene	0.95 J	0.9 J	nc
m,p-Xylenes	0.7 J	0.72 J	nc
Benzene	3.3	3.3	0
o-Xylene	0.59 J	0.61 J	nc
Isopropylbenzene	0.35 J	ND	nc

nc-not calculated

ND-not detected

B. Semi-Volatile Organics (Full Scan Analysis)

1. Calibration

One initial calibration (IC) was performed in support of the sample analyses. All relative response factors (RRFs) and relative standard deviations (RSDs) or correlation coefficients (r^2) are acceptable. A second source ICV standard was analyzed after the IC, and all percent differences are acceptable ($\leq 30\%$ D). One CCV was analyzed in support of sample analysis and all percent differences (%Ds) are acceptable ($< 20\%$ D), with the exception noted below.

Analyte	%D	Associated Sample	Qualifier Applied
CBNAMS16 01/23/2025 19:55			
Benzaldehyde	-48.1	MW-02_20250122 MW-01_20250122 MW-0X_20250122 FB-01_20250122	UJ
CBNAMS16 01/28/2025 10:57			
Benzaldehyde	-46.1	MW-03_20250127	UJ

The percent differences represent a decrease in instrument sensitivity. The result for benzaldehyde in all samples is qualified as estimated (UJ) due to low response in the CCV.

2. Surrogates

The laboratory control limits are excessively low. Surrogates are evaluated using control limit of 50-130%R. All surrogate recoveries are acceptable with the following exceptions:

Sample	Surrogate	%R
MW-02_20250122	Terphenyl-d ₁₄	24
	Phenol-d ₅	42
MW-01_20250122	Terphenyl-d ₁₄	21
	Phenol-d ₅	38
MW-0X_20250122	2-Fluorophenol	24
	Phenol-d ₅	40
FB-01_20250122	Terphenyl-d ₁₄	35
	Phenol-d ₅	34
MW-03_20250127	Terphenyl-d ₁₄	30
	Phenol-d ₅	36
	2-Fluorophenol	43

The results for all target acid extractable analytes *except* pentachlorophenol in MW-0X_20250122 and MW-03_20250127 are qualified as estimated (UJ) because two acid surrogates exhibited low recoveries.

The results for benzo[a]anthracene, 3,3'-dichlorobenzidine, chrysene, bis(2-ethylhexyl) phthalate, di-n-octyl phthalate, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno[1,2,3-cd]pyrene, dibenz(a,h)anthracene and benzo[g,h,i]perylene in MW-02_20250122, MW-01_20250122, FB-01_20250122 and MW-03_20250127 are qualified as estimated (J-, UJ) because terphenyl-d₁₄ exhibited low recovery.

3. Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

Two LCS/LCSD pairs were analyzed in support of sample analysis. The laboratory control limits are excessively low and, in several instances, low and wide. The LCS/LCSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions. Where the recovery is high and the analytes are not detected in the associated samples, no qualification of results is warranted. These are not detailed below.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
LCS 460-1017771/2-A				
4-Nitrophenol	48	55	a	MW-02_20250122

Caprolactam	35	23	a	MW-01_20250122
Phenol	39	42	a	MW-0X_20250122
LCS 460-1018383/2-A				
4-Nitrophenol	48	a	a	MW-03_20250127
Caprolactam	26	33	a	
Phenol	34	41	a	

a=acceptable

The results for 4-nitrophenol, caprolactam and phenol in all samples are qualified as estimated (J-, UJ) due to low recovery in the LCS and/or LCSD.

4. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on sample MW-01_20250122. The MS/MSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 30. All recoveries and RPDs are acceptable, with the exceptions noted below. Where the recovery is high and the analytes are not detected in the associated samples, no qualification of results is warranted. These are not detailed below.

Analyte	MS %R	MSD %R	RPD
4-Chloroaniline	49	47	a
2,4-Dimethylphenol	136	a	a
Caprolactam	35	34	a
Fluoranthene	138	a	a
Phenol	48	40	a

a=acceptable

The results for 4-chloroaniline, caprolactam and phenol in MW-01_20250122 are qualified as estimated (J-, UJ) due to low MS and/or MSD recovery. The results for 2,4-dimethylphenol and fluoranthene in MW-01_20250122 are qualified as estimated (J+) due to high MS and/or MSD recovery.

5. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Precision between paired samples is acceptable (RPD < 30) and is presented below. Results below the reporting limit are not evaluated.

Analyte	MW-02_20250122 (µg/L)	MW-0X_20250122 (µg/L)	RPD
Anthracene	3.6 J	3.3 J	nc
Pyrene	3.5 J	3.6 J	nc
Dibenzofuran	11	13	17
Fluoranthene	6 J	5.9 J	nc
Acenaphthene	4.6 J	5.5 J	nc
Phenanthrene	38	40	5.1
Fluorene	13	14	7.5
Carbazole	7.7 J	10	26
Naphthalene	12	16	29
2-Methylnaphthalene	2.6 J	3 J	nc
Biphenyl (Diphenyl)	1.3 J	1.5 J	nc

nc-not calculated

C. Semi-Volatile Organics (Selected Ion Monitoring {SIM})

1. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Precision between paired samples is acceptable (RPD<30) and is presented below. Results below the reporting limit are not evaluated.

Analyte	MW-02_20250122 (µg/L)	MW-0X_20250122 (µg/L)	RPD
1,4-Dioxane	0.20 (U)	0.19 J	nc

nc-not calculated

D. PCBs

1. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Target Aroclors were not detected in either sample.

E. Pesticides

1. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Target pesticides analytes were not detected in either sample.

F. MA Extractable Petroleum Hydrocarbons

1. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on sample MW-01_20250122. The MS/MSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the exceptions noted below.

Analyte	MS %R	MSD %R	RPD
Benzo[g,h,i]perylene	a	45	a
Benzo[b]fluoranthene	a	42	a
Benzo[a]pyrene	a	49	a

a=acceptable

The results for benzo[g,h,i]perylene, benzo[b]fluoranthene, and benzo[a]pyrene in MW-01_20250122 are qualified as estimated (UJ) due to low recoveries in the MSD.

2. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Precision between paired samples is acceptable (RPD < 30) and is presented below. Results below the reporting limit are not evaluated.

Analyte	MW-02_20250122 (µg/L)	MW-0X_20250122 (µg/L)	RPD
Anthracene	5.6	4.2	29
Fluoranthene	6.7	5.2	25
Acenaphthylene	4.2	3.5	18
Acenaphthene	6.1	5.5	10
Phenanthrene	35	26	30
Fluorene	13	10	26
Naphthalene	16	16	0
2-Methylnaphthalene	3.4	2.9	16
C11-C22 AROMATICS	220	190	15
Extractable Petroleum Hydrocarbons C11-C22 Aromatics	120	110	9.0
Extractable Petroleum Hydrocarbons C9-C18 Aliphatics	29	29 (U)	nc

G. Total Petroleum Hydrocarbons

1. Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

One LCS/LCSD pair was prepared and analyzed in support of sample analysis. The laboratory control limits are excessively low and wide. The LCS/LCSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
LCS 460-1018883/2-A				
ORO (C28-C44)	38	37	a	MW-03_20250127

The result for ORO (C28-C44) in MW-03_20250127 is qualified as estimated (UJ) due to low recovery in the LCS and LCSD.

H. Herbicides

1. Surrogates

The laboratory control limits are excessively low. Surrogates are evaluated using control limit of 50-130%R. The laboratory reported all surrogate recoveries in all samples from column 1; however, sample results in all samples are reported from column 2. The surrogate recoveries from column 2 were evaluated and are acceptable with the following exception:

Sample	Surrogate	%R
FB-01_20250122	2,4-Dichlorophenylacetic acid	33

The result for all target herbicides in FB-01_20250122 are qualified as estimated (UJ) due to low surrogate recovery. Samples MW-01_20250122 and MW-03_20250127 exhibited high surrogate recovery but target analytes were not detected in either sample and the high surrogate recoveries have no impact to sample results.

2. Laboratory Control Sample (LCS) / LCS Duplicate (LCSD)

Two LCS/LCSD pairs were prepared and analyzed in support of sample analysis. The LCS/LCSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 20 . All recoveries and RPDs are acceptable, with the following exceptions.

Analyte	LCS %R	LCSD %R	RPD	Associated Sample
LCS 460-1017861/2-A				
2,4-D	44	a	a	MW-02_20250122 MW-01_20250122 MW-0X_20250122 FB-01_20250122

The result for 2,4-D in MW-02_20250122, MW-01_20250122, and MW-0X_20250122 FB-01_20250122 are qualified as estimated (UJ) due to low recovery in the LCSD.

3. Matrix Spike (MS) / MS Duplicate (MSD)

MS/MSD analyses were performed on sample MW-01_20250122. The MS/MSD are evaluated using control limit of 50-130%R, relative percent difference (RPD) ≤ 30 . All recoveries and RPDs are acceptable, with the exceptions noted below.

Analyte	MS %R	MSD %R	RPD
2,4,5-T	38	130	111
2,4-D	29	109	117

The results for 2,4,5-T and 2,4-D in MW-01_20250122 are qualified as estimated (UJ) due to low MS recovery and high MS/MSD RPD.

4. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Target herbicides were not detected in either sample.

I. Metals including Mercury

1. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Precision between paired samples is acceptable (RPD < 30) and is presented below. Results below the reporting limit are not evaluated.

Analyte	MW-02_20250122 ($\mu\text{g/L}$)	MW-0X_20250122 ($\mu\text{g/L}$)	RPD
Aluminum	25.7 J	24.8 J	nc
Iron	382	374	2.1

Magnesium	24900	24500	1.6
Manganese	142	142	0
Nickel	2.7 J	2.6 J	nc
Potassium	30100	28900	4.1
Sodium	201000	198000	1.5
Arsenic	2	2.3	14
Barium	53.1	51.6	2.9
Cobalt	1.4 J	1.4 J	nc
Vanadium	1.4 J	1.4 J	nc
Calcium	198000	196000	1.1

Cyanide

1. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Precision between paired samples is acceptable (RPD<30) and is presented below.

Analyte	MW-02_20250122 (µg/L)	MW-0X_20250122 (µg/L)	RPD
Cyanide	561	579	3.2

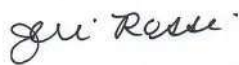
Hexavalent chromium

1. Field Duplicates

MW-0X_20250122 was submitted as a field duplicate of MW-02_20250122. Hexavalent chromium was not detected in either sample.

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjerirossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,



Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)

Chain of Custody Record

NYC

eurofins

Client Information		Sampler	Lab PM	Carrier Tracking No(s)	COC No															
Client Contact: Patrick Dogins		Milw Bates / Isabella Legovich	Flannery, Elizabeth J	NY	460-190529-124698 1															
Company: AKRF Inc		Phone	E-Mail	State of Origin	Page 1 of 1															
Address: 440 Park Avenue South 7th Floor		PWSID		Job #	319158															
City: New York		Due Date Requested:		Preservation Codes:																
State: NY		TAT Requested (days): Standard		A - HCL																
Zip: 10016		Compliance Project: ☐ Yes ☐ No		N - None																
Phone		PO #: 200112		D - HNO3																
Email: info@akrf.com		WO #: 200112		B - NaOH																
Project Name: Bud North		Project #: 46045611		Other:																
Site: Bud North		SSOW#		Special Instructions/Note:																
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	MAEPH - MA EPH	8015D DRO - DRO & ORO	6241 PREC - 6241 TCL VOCs	8260D - TCL VOCs	8270E - TCL BNA's	8270E - SIM MS ID - 1,4-Dioxane	8081B, 8082A	6020B, 7470A	9012B - Cyanide, Total	8151A - Standard Herbicide List - 3 cmpds	7196A, 7196A-CR3	6241 PREC, 6260B	8015D DRO, 8151A	Total Number of Containers
MW-02-2025 0122	1/22/25	1033	G	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-01-2025 0122		1335		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-0X-2025 0122		1200		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X
FB-01-2025 0122		1205		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X
TB-01-2025 0122		-	-	Water			X	X	X	X	X	X	X	X	X	X	X	X	X	X
				Water																
 460-319158 Chain of Custody																				
SHORT HOLD																				
Possible Hazard Identification																				
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological																				
Deliverable Requested I, II, III, IV, Other (specify)																				
Empty Kit Relinquished by																				
Relinquished by: Milw Bates Date/Time: 1/22/25 1550 Company: AKRF																				
Relinquished by: Milw Bates Date/Time: 1-22-25 18:00 Company: AKRF																				
Relinquished by: Milw Bates Date/Time: 1-22-25 18:00 Company: AKRF																				
Custody Seal No: no/c3 PR #9 Cooler Temperature(s) °C and Other Remarks: 35/37-42/44-51/54-51.3/51.5-51.5/51.7																				

ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: V65015.D
 Lab ID: 460-319158-2 MS Client ID: MW-01_20250122 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	1.0 U	15.5	77	72-128	
1,1,2,2-Tetrachloroethane	20.0	1.0 U	23.7	118	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	1.0 U	11.4	57	65-142	*
1,1,2-Trichloroethane	20.0	1.0 U	19.8	99	74-125	
1,1-Dichloroethane	20.0	1.0 U	19.5	97	73-130	
1,1-Dichloroethene	20.0	1.0 U	13.3	66	68-133	*
1,2,3-Trichlorobenzene	20.0	1.0 U	22.5	113	55-150	
1,2,4-Trichlorobenzene	20.0	1.0 U	20.5	102	67-132	
1,2-Dibromo-3-Chloropropane	20.0	1.0 U	20.8	104	58-132	
1,2-Dichlorobenzene	20.0	1.0 U	19.0	95	80-120	
1,2-Dichloroethane	20.0	1.0 U	19.4	97	66-129	
1,2-Dichloropropane	20.0	1.0 U	20.4	102	72-128	
1,3-Dichlorobenzene	20.0	1.0 U	19.0	95	80-120	
1,4-Dichlorobenzene	20.0	1.0 U	18.1	90	80-120	
2-Butanone (MEK)	100	36	102	66	65-142	
2-Hexanone	100	5.0 U	111	111	72-134	
4-Methyl-2-pentanone (MIBK)	100	5.0 U	107	107	77-130	
Acetone	100	53	126	74	60-133	
Benzene	20.0	9.0	26.5	87	71-126	
Bromoform	20.0	1.0 U	18.2	91	58-128	
Bromomethane	20.0	1.0 U	14.6	73	33-150	
Carbon disulfide	20.0	2.9	17.6	73	35-150	
Carbon tetrachloride	20.0	1.0 U	14.6	73	65-131	
Chlorobenzene	20.0	1.0 U	17.1	85	80-120	
Chlorobromomethane	20.0	1.0 U	15.1	76	71-134	
Chlorodibromomethane	20.0	1.0 U	17.6	88	73-121	
Chloroethane	20.0	1.0 U	30.7	153	54-150	*
Chloroform	20.0	1.0 U	17.3	86	78-125	
Chloromethane	20.0	1.0 U	24.7	123	43-149	
cis-1,2-Dichloroethene	20.0	1.0 U	15.9	79	78-121	
cis-1,3-Dichloropropene	20.0	1.0 U	19.1	96	74-125	
Cyclohexane	20.0	1.0 U	12.7	63	64-142	*
Dichlorobromomethane	20.0	1.0 U	17.2	86	76-121	
Dichlorodifluoromethane	20.0	1.0 U	18.5	93	38-144	
Ethylbenzene	20.0	1.9	18.5	83	78-120	
Ethylene Dibromide	20.0	1.0 U	18.7	94	79-126	
Isopropylbenzene	20.0	1.0 U	17.4	87	79-125	
Methyl acetate	40.0	5.0 U	59.2	148	50-147	*
Methyl tert-butyl ether	20.0	1.0 U	19.0	95	72-131	
Methylcyclohexane	20.0	1.0 U	12.8	64	63-138	
Methylene Chloride	20.0	1.0 U	16.0	80	74-127	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: V65016.D
 Lab ID: 460-319158-2 MSD Client ID: MW-01_20250122 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	18.8	94	19	30	72-128	
1,1,2,2-Tetrachloroethane	20.0	28.4	142	18	30	63-139	*
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	13.4	67	17	30	65-142	
1,1,2-Trichloroethane	20.0	25.1	125	23	30	74-125	
1,1-Dichloroethane	20.0	23.1	116	17	30	73-130	
1,1-Dichloroethene	20.0	16.1	80	19	30	68-133	
1,2,3-Trichlorobenzene	20.0	28.2	141	22	30	55-150	
1,2,4-Trichlorobenzene	20.0	25.1	126	20	30	67-132	
1,2-Dibromo-3-Chloropropane	20.0	25.9	129	22	30	58-132	
1,2-Dichlorobenzene	20.0	22.6	113	17	30	80-120	
1,2-Dichloroethane	20.0	24.7	124	24	30	66-129	
1,2-Dichloropropane	20.0	25.4	127	22	30	72-128	
1,3-Dichlorobenzene	20.0	22.7	114	18	30	80-120	
1,4-Dichlorobenzene	20.0	22.7	113	22	30	80-120	
2-Butanone (MEK)	100	132	96	25	30	65-142	
2-Hexanone	100	148	148	28	30	72-134	*
4-Methyl-2-pentanone (MIBK)	100	138	138	25	30	77-130	*
Acetone	100	166	113	27	30	60-133	
Benzene	20.0	31.4	112	17	30	71-126	
Bromoform	20.0	23.1	115	24	30	58-128	
Bromomethane	20.0	20.2	101	32	30	33-150	*
Carbon disulfide	20.0	20.8	90	17	30	35-150	
Carbon tetrachloride	20.0	18.2	91	22	30	65-131	
Chlorobenzene	20.0	21.7	108	24	30	80-120	
Chlorobromomethane	20.0	18.2	91	19	30	71-134	
Chlorodibromomethane	20.0	22.0	110	23	30	73-121	
Chloroethane	20.0	22.3	111	32	30	54-150	*
Chloroform	20.0	21.7	108	23	30	78-125	
Chloromethane	20.0	29.5	147	18	30	43-149	
cis-1,2-Dichloroethene	20.0	18.4	92	15	30	78-121	
cis-1,3-Dichloropropene	20.0	24.1	121	23	30	74-125	
Cyclohexane	20.0	15.7	79	22	30	64-142	
Dichlorobromomethane	20.0	21.4	107	22	30	76-121	
Dichlorodifluoromethane	20.0	22.4	112	19	30	38-144	
Ethylbenzene	20.0	22.4	103	19	30	78-120	
Ethylene Dibromide	20.0	23.8	119	24	30	79-126	
Isopropylbenzene	20.0	21.9	110	23	30	79-125	
Methyl acetate	40.0	73.3	183	21	30	50-147	*
Methyl tert-butyl ether	20.0	23.5	118	21	30	72-131	
Methylcyclohexane	20.0	16.1	80	23	30	63-138	
Methylene Chloride	20.0	18.9	94	17	30	74-127	

Column to be used to flag recovery and RPD values

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-319158-1

SDG No.: _____

Lab Sample ID: CCVIS 460-1018632/2 Calibration Date: 01/29/2025 17:21

Instrument ID: CVOAMS7 Calib Start Date: 11/21/2024 01:43

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 11/21/2024 04:23

Lab File ID: V65279.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloroethene	Ave	0.6681	0.6737	0.2000	20.2	20.0	0.8	20.0
1,3-Dichloropropane	Ave	0.998	0.9944		19.9	20.0	-0.3	20.0
2-Hexanone	Ave	2.602	3.176	0.0500	122	100	22.0	50.0
n-Butyl acetate	Lin2		0.9427		25.1	20.0	25.7*	20.0
Chlorodibromomethane	Ave	0.5566	0.5134	0.1000	18.4	20.0	-7.8	50.0
Ethylene Dibromide	Ave	0.5525	0.5207	0.1000	18.8	20.0	-5.8	20.0
Chlorobenzene	Ave	1.776	1.720	0.5000	19.4	20.0	-3.1	20.0
Ethylbenzene	Ave	0.9862	0.8993	0.1000	18.2	20.0	-8.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5796	0.5477		18.9	20.0	-5.5	20.0
m-Xylene & p-Xylene	Ave	1.242	1.178	0.1000	19.0	20.0	-5.2	20.0
o-Xylene	Ave	1.154	1.101	0.3000	19.1	20.0	-4.6	20.0
n-Butyl acrylate	QuaF		0.3795		17.0	20.0	-15.2	20.0
Styrene	Ave	1.788	1.687	0.3000	18.9	20.0	-5.7	20.0
Amyl acetate (mixed isomers)	Ave	1.607	1.811		22.5	20.0	12.7	20.0
Bromoform	Ave	0.3070	0.3301	0.1000	21.5	20.0	7.5	20.0
Isopropylbenzene	Ave	2.693	2.662	0.1000	19.8	20.0	-1.2	20.0
Bromobenzene	Ave	1.453	1.376		18.9	20.0	-5.3	20.0
1,1,2,2-Tetrachloroethane	Ave	1.499	1.356	0.3000	18.1	20.0	-9.5	20.0
N-Propylbenzene	Ave	6.829	6.449		18.9	20.0	-5.6	20.0
1,2,3-Trichloropropane	Ave	0.4389	0.4184		19.1	20.0	-4.7	20.0
trans-1,4-Dichloro-2-butene	Qua2		0.2394		16.7	20.0	-16.5	20.0
2-Chlorotoluene	Ave	4.754	4.375		18.4	20.0	-8.0	20.0
4-Ethyltoluene	Ave	5.734	5.333		18.6	20.0	-7.0	20.0
1,3,5-Trimethylbenzene	Ave	4.926	4.444		18.0	20.0	-9.8	20.0
4-Chlorotoluene	Ave	4.993	4.529		18.1	20.0	-9.3	20.0
Butyl Methacrylate	Qua2		1.091		15.3	20.0	-23.3*	20.0
tert-Butylbenzene	Ave	4.031	3.698		18.3	20.0	-8.3	20.0
1,2,4-Trimethylbenzene	Ave	4.882	4.475		18.3	20.0	-8.3	20.0
sec-Butylbenzene	Ave	5.764	5.273		18.3	20.0	-8.5	20.0
1,3-Dichlorobenzene	Ave	2.595	2.528	0.6000	19.5	20.0	-2.6	20.0
4-Isopropyltoluene	Ave	4.925	4.638		18.8	20.0	-5.8	20.0
1,4-Dichlorobenzene	Ave	2.651	2.486	0.5000	18.8	20.0	-6.2	20.0
1,2,3-Trimethylbenzene	Ave	4.977	4.596		18.5	20.0	-7.7	20.0
Benzyl chloride	Qua2		1.820		15.1	20.0	-24.7	50.0
Indan	Ave	4.811	4.579		19.0	20.0	-4.8	20.0
p-Diethylbenzene	Ave	2.767	2.656		19.2	20.0	-4.0	20.0
n-Butylbenzene	Ave	2.390	2.260		18.9	20.0	-5.5	20.0
1,2-Dichlorobenzene	Ave	2.417	2.426	0.4000	20.1	20.0	0.4	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.935	3.417		17.4	20.0	-13.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2688	0.2267	0.0500	16.9	20.0	-15.7	50.0
1,3,5-Trichlorobenzene	Ave	1.504	1.630		21.7	20.0	8.4	20.0

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
MW-02_20250122	460-319158-1	62	42	101	98	97	24
MW-01_20250122	460-319158-2	59	38	100	99	98	21
MW-0X_20250122	460-319158-3	61	40	101	99	101	24
FB-01_20250122	460-319158-4	52	34	93	90	87	35
MW-03_20250127	460-319369-1	43	36	81	73	90	30
	MB 460-1017771/1-A	54	36	91	89	88	30
	MB 460-1018383/1-A	46	29	97	89	96	85
	LCS 460-1017771/2-A	54	36	110	111	111	84
	LCS 460-1018383/2-A	44	31	84	80	95	65
	LCSD 460-1017771/3-A	55	38	96	96	97	70
	LCSD 460-1018383/3-A	54	37	102	98	114	78
MW-01_20250122 MS	460-319158-2 MS	61	41	106	106	105	51
MW-01_20250122 MSD	460-319158-2 MSD	53	34	103	99	97	41

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	16-80
PHL = Phenol-d5 (Surr)	10-56
NBZ = Nitrobenzene-d5 (Surr)	51-145
FBP = 2-Fluorobiphenyl	46-139
TBP = 2,4,6-Tribromophenol (Surr)	37-150
TPHL = Terphenyl-d14 (Surr)	13-159

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A38359.D
 Lab ID: LCS 460-1017771/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	91.6	115	52-129	
1,2,4,5-Tetrachlorobenzene	80.0	90.7	113	40-136	
2,2'-oxybis[1-chloropropane]	80.0	83.8	105	47-133	
2,3,4,6-Tetrachlorophenol	80.0	91.9	115	63-131	
2,4,5-Trichlorophenol	80.0	89.9	112	63-124	
2,4,6-Trichlorophenol	80.0	90.4	113	66-131	
2,4-Dichlorophenol	80.0	82.8	104	60-120	
2,4-Dimethylphenol	80.0	93.0	116	37-120	
2,4-Dinitrophenol	160	165	103	50-148	
2,4-Dinitrotoluene	80.0	97.0	121	71-142	
2,6-Dinitrotoluene	80.0	93.9	117	71-136	
2-Chloronaphthalene	80.0	89.4	112	50-129	
2-Chlorophenol	80.0	71.3	89	49-120	
2-Methylnaphthalene	80.0	77.8	97	42-134	
2-Methylphenol	80.0	64.3	80	35-120	
2-Nitroaniline	80.0	89.0	111	57-134	
2-Nitrophenol	80.0	85.9	107	62-124	
3,3'-Dichlorobenzidine	80.0	80.5	101	55-145	
3-Nitroaniline	80.0	71.5	89	51-120	
4,6-Dinitro-2-methylphenol	160	183	115	65-145	
4-Bromophenyl phenyl ether	80.0	90.6	113	59-132	
4-Chloro-3-methylphenol	80.0	77.1	96	54-120	
4-Chloroaniline	80.0	66.0	82	43-120	
4-Chlorophenyl phenyl ether	80.0	91.7	115	65-127	
4-Methylphenol	80.0	55.8	70	28-120	
4-Nitroaniline	80.0	88.7	111	57-135	
4-Nitrophenol	160	76.9	48	10-120	
Acenaphthene	80.0	91.0	114	62-127	
Acenaphthylene	80.0	96.2	120	58-122	
Acetophenone	80.0	86.4	108	65-125	
Anthracene	80.0	91.9	115	67-127	
Atrazine	40.0	76.4	191	13-150	*
Benzaldehyde	40.0	65.0	163	10-150	*
Benzo[a]anthracene	80.0	89.0	111	71-131	
Benzo[a]pyrene	80.0	107	134	75-148	
Benzo[b]fluoranthene	80.0	94.1	118	70-140	
Benzo[g,h,i]perylene	80.0	103	129	52-143	
Benzo[k]fluoranthene	80.0	101	127	71-140	
Bis (2-chloroethoxy)methane	80.0	88.6	111	63-122	
Bis (2-chloroethyl) ether	80.0	85.6	107	61-125	
Bis (2-ethylhexyl) phthalate	80.0	93.5	117	65-144	
Butyl benzyl phthalate	80.0	89.1	111	67-141	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A38359.D
 Lab ID: LCS 460-1017771/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Caprolactam	40.0	13.8	35	10-120	
Carbazole	80.0	91.4	114	68-132	
Chrysene	80.0	91.3	114	70-132	
Dibenz (a,h) anthracene	80.0	99.2	124	53-150	
Dibenzofuran	80.0	90.7	113	64-125	
Diethyl phthalate	80.0	88.0	110	67-131	
Dimethyl phthalate	80.0	91.1	114	67-129	
Di-n-butyl phthalate	80.0	88.1	110	71-139	
Di-n-octyl phthalate	80.0	92.9	116	51-150	
Fluoranthene	80.0	92.8	116	69-137	
Fluorene	80.0	94.0	117	67-125	
Hexachlorobenzene	80.0	90.9	114	62-135	
Hexachlorobutadiene	80.0	88.7	111	10-147	
Hexachlorocyclopentadiene	80.0	116	146	10-135	*
Hexachloroethane	80.0	86.5	108	10-138	
Indeno[1,2,3-cd]pyrene	80.0	99.5	124	59-150	
Isophorone	80.0	91.9	115	65-128	
Naphthalene	80.0	88.3	110	39-126	
Nitrobenzene	80.0	91.0	114	66-127	
N-Nitrosodi-n-propylamine	80.0	89.4	112	63-133	
N-Nitrosodiphenylamine	80.0	90.3	113	66-128	
Pentachlorophenol	160	180	112	60-140	
Phenanthrene	80.0	90.1	113	68-126	
Phenol	80.0	31.0	39	10-80	
Pyrene	80.0	87.8	110	60-137	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A38435.D
 Lab ID: LCS 460-1018383/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	69.4	87	52-129	
1,2,4,5-Tetrachlorobenzene	80.0	67.0	84	40-136	
2,2'-oxybis[1-chloropropane]	80.0	68.2	85	47-133	
2,3,4,6-Tetrachlorophenol	80.0	75.0	94	63-131	
2,4,5-Trichlorophenol	80.0	69.5	87	63-124	
2,4,6-Trichlorophenol	80.0	70.4	88	66-131	
2,4-Dichlorophenol	80.0	66.9	84	60-120	
2,4-Dimethylphenol	80.0	75.4	94	37-120	
2,4-Dinitrophenol	160	145	90	50-148	
2,4-Dinitrotoluene	80.0	83.1	104	71-142	
2,6-Dinitrotoluene	80.0	78.9	99	71-136	
2-Chloronaphthalene	80.0	67.3	84	50-129	
2-Chlorophenol	80.0	58.6	73	49-120	
2-Methylnaphthalene	80.0	63.7	80	42-134	
2-Methylphenol	80.0	53.3	67	35-120	
2-Nitroaniline	80.0	72.7	91	57-134	
2-Nitrophenol	80.0	65.7	82	62-124	
3,3'-Dichlorobenzidine	80.0	63.0	79	55-145	
3-Nitroaniline	80.0	62.8	79	51-120	
4,6-Dinitro-2-methylphenol	160	144	90	65-145	
4-Bromophenyl phenyl ether	80.0	68.8	86	59-132	
4-Chloro-3-methylphenol	80.0	68.3	85	54-120	
4-Chloroaniline	80.0	62.4	78	43-120	
4-Chlorophenyl phenyl ether	80.0	75.1	94	65-127	
4-Methylphenol	80.0	49.0	61	28-120	
4-Nitroaniline	80.0	77.3	97	57-135	
4-Nitrophenol	160	77.0	48	10-120	
Acenaphthene	80.0	70.5	88	62-127	
Acenaphthylene	80.0	74.8	94	58-122	
Acetophenone	80.0	73.4	92	65-125	
Anthracene	80.0	72.1	90	67-127	
Atrazine	40.0	50.8	127	13-150	
Benzaldehyde	40.0	43.4	109	10-150	
Benzo[a]anthracene	80.0	71.0	89	71-131	
Benzo[a]pyrene	80.0	82.6	103	75-148	
Benzo[b]fluoranthene	80.0	75.7	95	70-140	
Benzo[g,h,i]perylene	80.0	69.2	87	52-143	
Benzo[k]fluoranthene	80.0	78.7	98	71-140	
Bis (2-chloroethoxy)methane	80.0	71.4	89	63-122	
Bis (2-chloroethyl) ether	80.0	68.8	86	61-125	
Bis (2-ethylhexyl) phthalate	80.0	79.8	100	65-144	
Butyl benzyl phthalate	80.0	74.2	93	67-141	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A38435.D
 Lab ID: LCS 460-1018383/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Caprolactam	40.0	10.5	26	10-120	
Carbazole	80.0	74.2	93	68-132	
Chrysene	80.0	70.3	88	70-132	
Dibenz (a,h) anthracene	80.0	68.0	85	53-150	
Dibenzofuran	80.0	72.1	90	64-125	
Diethyl phthalate	80.0	77.3	97	67-131	
Dimethyl phthalate	80.0	76.2	95	67-129	
Di-n-butyl phthalate	80.0	75.6	94	71-139	
Di-n-octyl phthalate	80.0	83.3	104	51-150	
Fluoranthene	80.0	78.0	97	69-137	
Fluorene	80.0	76.9	96	67-125	
Hexachlorobenzene	80.0	71.0	89	62-135	
Hexachlorobutadiene	80.0	66.0	82	10-147	
Hexachlorocyclopentadiene	80.0	87.1	109	10-135	
Hexachloroethane	80.0	62.8	78	10-138	
Indeno[1,2,3-cd]pyrene	80.0	68.9	86	59-150	
Isophorone	80.0	75.1	94	65-128	
Naphthalene	80.0	67.4	84	39-126	
Nitrobenzene	80.0	74.9	94	66-127	
N-Nitrosodi-n-propylamine	80.0	76.7	96	63-133	
N-Nitrosodiphenylamine	80.0	68.1	85	66-128	
Pentachlorophenol	160	147	92	60-140	
Phenanthrene	80.0	69.9	87	68-126	
Phenol	80.0	27.0	34	10-80	
Pyrene	80.0	69.0	86	60-137	

Column to be used to flag recovery and RPD values
 FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A38360.D
 Lab ID: LCSD 460-1017771/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	40.0	11.0	27	23	30	10-120	
Carbazole	80.0	82.9	104	10	30	68-132	
Chrysene	80.0	81.2	101	12	30	70-132	
Dibenz (a,h) anthracene	80.0	90.1	113	10	30	53-150	
Dibenzofuran	80.0	81.0	101	11	30	64-125	
Diethyl phthalate	80.0	78.7	98	11	30	67-131	
Dimethyl phthalate	80.0	82.8	103	10	30	67-129	
Di-n-butyl phthalate	80.0	79.5	99	10	30	71-139	
Di-n-octyl phthalate	80.0	84.3	105	10	30	51-150	
Fluoranthene	80.0	84.9	106	9	30	69-137	
Fluorene	80.0	84.8	106	10	30	67-125	
Hexachlorobenzene	80.0	82.8	104	9	30	62-135	
Hexachlorobutadiene	80.0	80.1	100	10	30	10-147	
Hexachlorocyclopentadiene	80.0	106	132	9	30	10-135	
Hexachloroethane	80.0	80.4	101	7	30	10-138	
Indeno[1,2,3-cd]pyrene	80.0	91.0	114	9	30	59-150	
Isophorone	80.0	82.3	103	11	30	65-128	
Naphthalene	80.0	79.8	100	10	30	39-126	
Nitrobenzene	80.0	80.4	101	12	30	66-127	
N-Nitrosodi-n-propylamine	80.0	80.9	101	10	30	63-133	
N-Nitrosodiphenylamine	80.0	84.4	105	7	30	66-128	
Pentachlorophenol	160	168	105	7	30	60-140	
Phenanthrene	80.0	81.6	102	10	30	68-126	
Phenol	80.0	33.8	42	9	30	10-80	
Pyrene	80.0	80.7	101	8	30	60-137	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A38436.D
 Lab ID: LCSD 460-1018383/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	40.0	13.2	33	23	30	10-120	
Carbazole	80.0	91.0	114	20	30	68-132	
Chrysene	80.0	83.2	104	17	30	70-132	
Dibenz (a,h) anthracene	80.0	85.7	107	23	30	53-150	
Dibenzofuran	80.0	87.3	109	19	30	64-125	
Diethyl phthalate	80.0	94.2	118	20	30	67-131	
Dimethyl phthalate	80.0	92.3	115	19	30	67-129	
Di-n-butyl phthalate	80.0	91.7	115	19	30	71-139	
Di-n-octyl phthalate	80.0	103	129	21	30	51-150	
Fluoranthene	80.0	95.6	119	20	30	69-137	
Fluorene	80.0	93.0	116	19	30	67-125	
Hexachlorobenzene	80.0	86.0	107	19	30	62-135	
Hexachlorobutadiene	80.0	82.9	104	23	30	10-147	
Hexachlorocyclopentadiene	80.0	107	133	20	30	10-135	
Hexachloroethane	80.0	77.7	97	21	30	10-138	
Indeno[1,2,3-cd]pyrene	80.0	85.6	107	22	30	59-150	
Isophorone	80.0	92.5	116	21	30	65-128	
Naphthalene	80.0	83.0	104	21	30	39-126	
Nitrobenzene	80.0	89.7	112	18	30	66-127	
N-Nitrosodi-n-propylamine	80.0	92.9	116	19	30	63-133	
N-Nitrosodiphenylamine	80.0	83.6	105	21	30	66-128	
Pentachlorophenol	160	180	112	20	30	60-140	
Phenanthrene	80.0	85.3	107	20	30	68-126	
Phenol	80.0	33.0	41	20	30	10-80	
Pyrene	80.0	83.7	105	19	30	60-137	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison

Job No.: 460-319158-1

SDG No.: _____

Matrix: Water

Level: Low

Lab File ID: A38369.D

Lab ID: 460-319158-2 MS

Client ID: MW-01_20250122 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	40.0	10 U	50.6	126	52-129	
1,2,4,5-Tetrachlorobenzene	40.0	10 U	47.8	119	40-136	
2,2'-oxybis[1-chloropropane]	40.0	10 U	47.5	119	47-133	
2,3,4,6-Tetrachlorophenol	40.0	10 U	49.2	123	63-131	
2,4,5-Trichlorophenol	40.0	10 U	49.3	123	63-124	
2,4,6-Trichlorophenol	40.0	10 U	50.3	126	66-131	
2,4-Dichlorophenol	40.0	10 U	45.3	113	60-120	
2,4-Dimethylphenol	40.0	0.72 J	55.0	136	37-120	*
2,4-Dinitrophenol	80.0	40 U	86.5	108	50-148	
2,4-Dinitrotoluene	40.0	10 U	53.0	133	71-142	
2,6-Dinitrotoluene	40.0	2.0 U	51.6	129	71-136	
2-Chloronaphthalene	40.0	10 U	49.0	123	50-129	
2-Chlorophenol	40.0	10 U	40.7	102	49-120	
2-Methylnaphthalene	40.0	2.2 J	45.0	107	42-134	
2-Methylphenol	40.0	1.0 J	39.9	97	35-120	
2-Nitroaniline	40.0	10 U	48.7	122	57-134	
2-Nitrophenol	40.0	10 U	47.6	119	62-124	
3,3'-Dichlorobenzidine	40.0	10 U	28.0	70	55-145	
3-Nitroaniline	40.0	10 U	26.8	67	51-120	
4,6-Dinitro-2-methylphenol	80.0	20 U	101	127	65-145	
4-Bromophenyl phenyl ether	40.0	10 U	49.2	123	59-132	
4-Chloro-3-methylphenol	40.0	10 U	44.2	111	54-120	
4-Chloroaniline	40.0	10 U	19.7	49	43-120	
4-Chlorophenyl phenyl ether	40.0	10 U	49.2	123	65-127	
4-Methylphenol	40.0	0.83 J	35.5	87	28-120	
4-Nitroaniline	40.0	10 U	44.6	111	57-135	
4-Nitrophenol	80.0	20 U	52.1	65	10-120	
Acenaphthene	40.0	5.6 J	56.2	126	62-127	
Acenaphthylene	40.0	10 U	51.7	129	58-122	*
Acetophenone	40.0	10 U	49.1	123	65-125	
Anthracene	40.0	2.8 J	52.2	124	67-127	
Atrazine	40.0	2.0 U	66.7	167	13-150	E *
Benzaldehyde	40.0	10 U	57.9	145	10-150	E
Benzo[a]anthracene	40.0	1.0 U	49.9	125	71-131	
Benzo[a]pyrene	40.0	1.0 U	56.2	141	75-148	
Benzo[b]fluoranthene	40.0	2.0 U	52.9	132	70-140	
Benzo[g,h,i]perylene	40.0	10 U	54.8	137	52-143	
Benzo[k]fluoranthene	40.0	1.0 U	51.2	128	71-140	
Bis (2-chloroethoxy)methane	40.0	10 U	48.7	122	63-122	
Bis (2-chloroethyl) ether	40.0	1.0 U	47.4	118	61-125	
Bis (2-ethylhexyl) phthalate	40.0	2.0 U	53.6	134	65-144	
Butyl benzyl phthalate	40.0	10 U	53.0	133	67-141	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A38369.D
 Lab ID: 460-319158-2 MS Client ID: MW-01_20250122 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Caprolactam	40.0	10 U	14.2	35	10-120	
Carbazole	40.0	7.2 J	58.9	129	68-132	
Chrysene	40.0	2.0 U	50.1	125	70-132	
Dibenz (a,h) anthracene	40.0	1.0 U	51.5	129	53-150	
Dibenzofuran	40.0	5.4 J	54.8	124	64-125	
Diethyl phthalate	40.0	10 U	48.8	122	67-131	
Dimethyl phthalate	40.0	10 U	49.8	125	67-129	
Di-n-butyl phthalate	40.0	10 U	50.7	127	71-139	
Di-n-octyl phthalate	40.0	10 U	54.6	136	51-150	
Fluoranthene	40.0	4.2 J	59.4	138	69-137	*
Fluorene	40.0	8.5 J	60.3	130	67-125	*
Hexachlorobenzene	40.0	1.0 U	49.6	124	62-135	
Hexachlorobutadiene	40.0	1.0 U	47.1	118	10-147	
Hexachlorocyclopentadiene	40.0	10 U	56.6	141	10-135	*
Hexachloroethane	40.0	2.0 U	46.9	117	10-138	
Indeno[1,2,3-cd]pyrene	40.0	2.0 U	53.3	133	59-150	
Isophorone	40.0	10 U	50.5	126	65-128	
Naphthalene	40.0	21	75.9	137	39-126	*
Nitrobenzene	40.0	1.0 U	50.4	126	66-127	
N-Nitrosodi-n-propylamine	40.0	1.0 U	50.1	125	63-133	
N-Nitrosodiphenylamine	40.0	10 U	49.9	125	66-128	
Pentachlorophenol	80.0	20 U	97.7	122	60-140	
Phenanthrene	40.0	18	70.9	133	68-126	*
Phenol	40.0	0.94 J	20.2	48	10-80	
Pyrene	40.0	2.8 J	53.0	125	60-137	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison

Job No.: 460-319158-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: A38370.D

Lab ID: 460-319158-2 MSD

Client ID: MW-01_20250122 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1'-Biphenyl	40.0	46.1	115	9	30	52-129	
1,2,4,5-Tetrachlorobenzene	40.0	42.3	106	12	30	40-136	
2,2'-oxybis[1-chloropropane]	40.0	44.4	111	7	30	47-133	
2,3,4,6-Tetrachlorophenol	40.0	45.2	113	8	30	63-131	
2,4,5-Trichlorophenol	40.0	44.5	111	10	30	63-124	
2,4,6-Trichlorophenol	40.0	46.4	116	8	30	66-131	
2,4-Dichlorophenol	40.0	41.6	104	9	30	60-120	
2,4-Dimethylphenol	40.0	49.3	121	11	30	37-120	*
2,4-Dinitrophenol	80.0	80.2	100	8	30	50-148	
2,4-Dinitrotoluene	40.0	49.8	125	6	30	71-142	
2,6-Dinitrotoluene	40.0	47.7	119	8	30	71-136	
2-Chloronaphthalene	40.0	44.9	112	9	30	50-129	
2-Chlorophenol	40.0	37.3	93	9	30	49-120	
2-Methylnaphthalene	40.0	41.9	99	7	30	42-134	
2-Methylphenol	40.0	33.8	82	17	30	35-120	
2-Nitroaniline	40.0	46.2	115	5	30	57-134	
2-Nitrophenol	40.0	43.7	109	9	30	62-124	
3,3'-Dichlorobenzidine	40.0	24.7	62	12	30	55-145	
3-Nitroaniline	40.0	23.3	58	14	30	51-120	
4,6-Dinitro-2-methylphenol	80.0	95.2	119	6	30	65-145	
4-Bromophenyl phenyl ether	40.0	44.4	111	10	30	59-132	
4-Chloro-3-methylphenol	40.0	41.2	103	7	30	54-120	
4-Chloroaniline	40.0	18.9	47	4	30	43-120	
4-Chlorophenyl phenyl ether	40.0	45.3	113	8	30	65-127	
4-Methylphenol	40.0	30.5	74	15	30	28-120	
4-Nitroaniline	40.0	40.8	102	9	30	57-135	
4-Nitrophenol	80.0	41.0	51	24	30	10-120	
Acenaphthene	40.0	50.6	112	11	30	62-127	
Acenaphthylene	40.0	47.0	117	10	30	58-122	
Acetophenone	40.0	46.1	115	6	30	65-125	
Anthracene	40.0	48.0	113	8	30	67-127	
Atrazine	40.0	66.6	167	0	30	13-150	E *
Benzaldehyde	40.0	63.4	158	9	30	10-150	E *
Benzo[a]anthracene	40.0	45.7	114	9	30	71-131	
Benzo[a]pyrene	40.0	52.2	130	7	30	75-148	
Benzo[b]fluoranthene	40.0	48.7	122	8	30	70-140	
Benzo[g,h,i]perylene	40.0	49.5	124	10	30	52-143	
Benzo[k]fluoranthene	40.0	47.3	118	8	30	71-140	
Bis(2-chloroethoxy)methane	40.0	45.4	114	7	30	63-122	
Bis(2-chloroethyl)ether	40.0	44.1	110	7	30	61-125	
Bis(2-ethylhexyl) phthalate	40.0	49.6	124	8	30	65-144	
Butyl benzyl phthalate	40.0	48.1	120	10	30	67-141	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A38370.D
 Lab ID: 460-319158-2 MSD Client ID: MW-01_20250122 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Caprolactam	40.0	13.4	34	5	30	10-120	
Carbazole	40.0	53.5	116	10	30	68-132	
Chrysene	40.0	45.8	114	9	30	70-132	
Dibenz (a,h) anthracene	40.0	46.1	115	11	30	53-150	
Dibenzofuran	40.0	50.3	112	9	30	64-125	
Diethyl phthalate	40.0	44.9	112	8	30	67-131	
Dimethyl phthalate	40.0	46.2	115	8	30	67-129	
Di-n-butyl phthalate	40.0	46.1	115	9	30	71-139	
Di-n-octyl phthalate	40.0	49.1	123	11	30	51-150	
Fluoranthene	40.0	53.0	122	11	30	69-137	
Fluorene	40.0	55.0	116	9	30	67-125	
Hexachlorobenzene	40.0	44.8	112	10	30	62-135	
Hexachlorobutadiene	40.0	42.9	107	9	30	10-147	
Hexachlorocyclopentadiene	40.0	51.7	129	9	30	10-135	
Hexachloroethane	40.0	43.4	108	8	30	10-138	
Indeno[1,2,3-cd]pyrene	40.0	48.4	121	10	30	59-150	
Isophorone	40.0	47.5	119	6	30	65-128	
Naphthalene	40.0	64.8	109	16	30	39-126	
Nitrobenzene	40.0	46.8	117	7	30	66-127	
N-Nitrosodi-n-propylamine	40.0	46.9	117	7	30	63-133	
N-Nitrosodiphenylamine	40.0	46.0	115	8	30	66-128	
Pentachlorophenol	80.0	91.0	114	7	30	60-140	
Phenanthrene	40.0	61.4	109	14	30	68-126	
Phenol	40.0	16.7	40	19	30	10-80	
Pyrene	40.0	48.0	113	10	30	60-137	

Column to be used to flag recovery and RPD values

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-319158-1

SDG No.: _____

Lab Sample ID: CCVIS 460-1017857/2 Calibration Date: 01/23/2025 19:55

Instrument ID: CBNAMS16 Calib Start Date: 01/23/2025 08:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 01/23/2025 11:53

Lab File ID: A38357.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5642	0.5265		9330	10000	-6.7	20.0
N-Nitrosodimethylamine	Ave	0.8040	0.8098		10100	10000	0.7	20.0
Pyridine	Ave	1.145	1.153		20100	20000	0.7	20.0
Benzaldehyde	Ave	1.050	0.5447	0.0100	2070	4000	-48.1*	20.0
Aniline	Ave	1.790	1.778		9940	10000	-0.6	20.0
Phenol	Ave	1.754	1.747	0.8000	9960	10000	-0.4	20.0
Bis(2-chloroethyl)ether	Ave	1.351	1.309	0.7000	9690	10000	-3.1	20.0
2-Chlorophenol	Ave	1.384	1.382	0.8000	9990	10000	-0.1	20.0
n-Decane	Ave	1.280	1.217		9510	10000	-4.9	20.0
1,3-Dichlorobenzene	Ave	1.511	1.481		9800	10000	-2.0	20.0
1,4-Dichlorobenzene	Ave	1.543	1.513		9810	10000	-1.9	20.0
1,2-Dichlorobenzene	Ave	1.451	1.410		9720	10000	-2.8	20.0
Benzyl alcohol	Ave	0.8255	0.7856		9520	10000	-4.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.649	1.582	0.0100	9590	10000	-4.1	20.0
2-Methylphenol	Ave	1.165	1.140	0.7000	9790	10000	-2.1	20.0
N-Methylaniline	Ave	1.871	1.930		10300	10000	3.2	20.0
Acetophenone	Ave	1.807	1.781	0.0100	9860	10000	-1.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.8771	0.8667	0.5000	9880	10000	-1.2	20.0
3 & 4 Methylphenol	Ave	1.240	1.213		9780	10000	-2.2	20.0
4-Methylphenol	Ave	1.235	1.213	0.6000	9820	10000	-1.8	20.0
Hexachloroethane	Ave	0.5513	0.5544	0.3000	10100	10000	0.6	20.0
Nitrobenzene	Ave	0.6503	0.6791	0.2000	10400	10000	4.4	20.0
n,n'-Dimethylaniline	Ave	2.014	1.987		9870	10000	-1.3	20.0
Isophorone	Ave	0.5922	0.6029	0.4000	10200	10000	1.8	20.0
2-Nitrophenol	Ave	0.1888	0.1955	0.1000	10400	10000	3.5	20.0
2,4-Dimethylphenol	Ave	0.2452	0.2486	0.2000	10100	10000	1.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.4118	0.4141	0.3000	10100	10000	0.5	20.0
Benzoic acid	Lin2		0.1804		10200	10000	1.7	20.0
2,4-Dichlorophenol	Ave	0.2711	0.2772	0.2000	10200	10000	2.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3084	0.3155		10200	10000	2.3	20.0
Naphthalene	Ave	1.035	1.040	0.7000	10000	10000	0.5	20.0
4-Chloroaniline	Ave	0.3814	0.4038	0.0100	10600	10000	5.9	20.0
Hexachlorobutadiene	Ave	0.1657	0.1703	0.0100	10300	10000	2.8	20.0
Caprolactam	Lin2		0.1152	0.0100	4080	4000	1.9	20.0
4-Chloro-3-methylphenol	Ave	0.2387	0.2422	0.2000	10100	10000	1.5	20.0
2-Methylnaphthalene	Ave	0.6482	0.6500	0.4000	10000	10000	0.3	20.0
1-Methylnaphthalene	Ave	0.5859	0.5880		10000	10000	0.4	20.0
Hexachlorocyclopentadiene	Ave	0.3622	0.3240	0.0500	8950	10000	-10.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6131	0.6266	0.0100	10200	10000	2.2	20.0
2-tertbutyl-4-methylphenol	Ave	0.3514	0.3710		10600	10000	5.6	20.0
2,4,6-Trichlorophenol	Ave	0.3787	0.4035	0.2000	10700	10000	6.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-319158-1

SDG No.: _____

Lab Sample ID: CCVIS 460-1018391/2 Calibration Date: 01/28/2025 10:57

Instrument ID: CBNAMS16 Calib Start Date: 01/23/2025 08:45

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 01/23/2025 11:53

Lab File ID: A38433.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5642	0.5136		9100	10000	-9.0	20.0
N-Nitrosodimethylamine	Ave	0.8040	0.8027		9980	10000	-0.2	20.0
Pyridine	Ave	1.145	1.148		20100	20000	0.3	20.0
Benzaldehyde	Ave	1.050	0.5659	0.0100	2160	4000	-46.1*	20.0
Aniline	Ave	1.790	1.810		10100	10000	1.2	20.0
Phenol	Ave	1.754	1.784	0.8000	10200	10000	1.7	20.0
Bis(2-chloroethyl)ether	Ave	1.351	1.342	0.7000	9930	10000	-0.7	20.0
2-Chlorophenol	Ave	1.384	1.388	0.8000	10000	10000	0.3	20.0
n-Decane	Ave	1.280	1.235		9650	10000	-3.5	20.0
1,3-Dichlorobenzene	Ave	1.511	1.486		9830	10000	-1.7	20.0
1,4-Dichlorobenzene	Ave	1.543	1.529		9910	10000	-0.9	20.0
1,2-Dichlorobenzene	Ave	1.451	1.421		9800	10000	-2.0	20.0
Benzyl alcohol	Ave	0.8255	0.8487		10300	10000	2.8	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.649	1.618	0.0100	9810	10000	-1.9	20.0
2-Methylphenol	Ave	1.165	1.176	0.7000	10100	10000	1.0	20.0
N-Methylaniline	Ave	1.871	2.010		10700	10000	7.4	20.0
Acetophenone	Ave	1.807	1.885	0.0100	10400	10000	4.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.8771	0.9382	0.5000	10700	10000	7.0	20.0
3 & 4 Methylphenol	Ave	1.240	1.294		10400	10000	4.3	20.0
4-Methylphenol	Ave	1.235	1.276	0.6000	10300	10000	3.3	20.0
Hexachloroethane	Ave	0.5513	0.5621	0.3000	10200	10000	2.0	20.0
Nitrobenzene	Ave	0.6503	0.6949	0.2000	10700	10000	6.9	20.0
n,n'-Dimethylaniline	Ave	2.014	2.055		10200	10000	2.1	20.0
Isophorone	Ave	0.5922	0.6230	0.4000	10500	10000	5.2	20.0
2-Nitrophenol	Ave	0.1888	0.1936	0.1000	10300	10000	2.5	20.0
2,4-Dimethylphenol	Ave	0.2452	0.2455	0.2000	10000	10000	0.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4118	0.4143	0.3000	10100	10000	0.6	20.0
2,4-Dichlorophenol	Ave	0.2711	0.2829	0.2000	10400	10000	4.4	20.0
Benzoic acid	Lin2		0.1920		10800	10000	7.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3084	0.3073		9960	10000	-0.4	20.0
Naphthalene	Ave	1.035	1.023	0.7000	9890	10000	-1.1	20.0
4-Chloroaniline	Ave	0.3814	0.4135	0.0100	10800	10000	8.4	20.0
Hexachlorobutadiene	Ave	0.1657	0.1657	0.0100	10000	10000	0.0	20.0
Caprolactam	Lin2		0.1355	0.0100	4780	4000	19.5	20.0
4-Chloro-3-methylphenol	Ave	0.2387	0.2568	0.2000	10800	10000	7.6	20.0
2-Methylnaphthalene	Ave	0.6482	0.6681	0.4000	10300	10000	3.1	20.0
1-Methylnaphthalene	Ave	0.5859	0.6103		10400	10000	4.2	20.0
Hexachlorocyclopentadiene	Ave	0.3622	0.3066	0.0500	8470	10000	-15.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6131	0.6007	0.0100	9800	10000	-2.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.3514	0.3863		11000	10000	9.9	20.0
2,4,6-Trichlorophenol	Ave	0.3787	0.3998	0.2000	10600	10000	5.6	20.0

FORM III
HYDROCARBONS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Environment Testing, LLC

Job No.: 460-319158-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 21EPH_24292036.011.d

Lab ID: 460-319158-2 MSD

Client ID: MW-01_20250122 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Anthracene	38.8	25.6	60	12	50	40-140	
Pyrene	38.8	24.1	62	16	50	40-140	
Benzo[g,h,i]perylene	38.8	17.5	45	26	50	40-140	
Indeno[1,2,3-cd]pyrene	38.7	20.0	52	24	50	40-140	
Benzo[b]fluoranthene	38.8	16.8	43	36	50	40-140	
Fluoranthene	38.8	25.1	55	15	50	40-140	
Benzo[k]fluoranthene	38.7	25.9	67	5	50	40-140	
Acenaphthylene	38.8	19.8	51	16	50	40-140	
Chrysene	38.8	24.4	63	14	50	40-140	
Benzo[a]pyrene	38.8	18.8	49	20	50	40-140	
Dibenz(a,h)anthracene	38.7	20.1	52	21	50	40-140	
Benzo[a]anthracene	38.8	21.0	54	19	50	40-140	
Acenaphthene	38.7	24.4	53	17	50	40-140	
Phenanthrene	38.8	29.9	54	16	50	40-140	
Fluorene	38.8	26.9	56	15	50	40-140	
Naphthalene	38.8	28.6	52	22	50	40-140	
2-Methylnaphthalene	38.7	21.1	54	16	50	40-140	
C11-C22 Aromatics (unadjusted)	658	435	51	18	50	40-140	

Column to be used to flag recovery and RPD values

FORM III MA-EPH

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 3F0042459.D
Lab ID: LCS 460-1018883/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Diesel Range Organics [C10-C28]	900	543	60	27-150	
ORO (C28-C44)	500	191	38	18-120	

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 3F0042460.D
Lab ID: LCSD 460-1018883/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Diesel Range Organics [C10-C28]	900	642	71	17	30	27-150	
ORO (C28-C44)	500	185	37	3	30	18-120	

Column to be used to flag recovery and RPD values
FORM III 8015D

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): CLP-2 ID: 0.53 (mm) GC Column (2): DB-5 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCPAA1 #	DCPAA2 #
MW-02_20250122	460-319158-1	54	77
MW-01_20250122	460-319158-2	26	593 *
MW-0X_20250122	460-319158-3	28	68
FB-01_20250122	460-319158-4	29	33
MW-03_20250127	460-319369-1	130	181 *
	MB 460-1017861/1-A	42	48
	MB 460-1018283/1-A	45	55
	LB 460-1018130/1-E	102	119
	LCS 460-1017861/2-A	41	51
	LCS 460-1018283/2-A	68	84
	LCSD 460-1017861/3-A	51	57
	LCSD 460-1018283/3-A	75	84
MW-01_20250122 MS	460-319158-2 MS	33	611 *
MW-01_20250122 MSD	460-319158-2 MSD	79	835 *

DCPAA = 2,4-Dichlorophenylacetic acid QC LIMITS
10-150

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 15F0211884.D
Lab ID: LCS 460-1017861/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4,5-T	2.00	1.16 J	58	35-150	
2,4,5-T	2.00	1.40	70	35-150	
2,4-D	8.00	3.50	44	25-150	
2,4-D	8.00	3.48	44	25-150	
Silvex (2,4,5-TP)	2.00	1.52	76	39-150	
Silvex (2,4,5-TP)	2.00	1.55	78	39-150	

Column to be used to flag recovery and RPD values

FORM III
HERBICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 15F0211885.D
 Lab ID: LCSD 460-1017861/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
2,4,5-T	2.00	1.41	70	20	30	35-150	
2,4,5-T	2.00	1.81	90	25	30	35-150	
2,4-D	8.00	4.33	54	21	30	25-150	
2,4-D	8.00	4.33	54	22	30	25-150	
Silvex (2,4,5-TP)	2.00	1.75	88	15	30	39-150	
Silvex (2,4,5-TP)	2.00	1.77	89	13	30	39-150	

Column to be used to flag recovery and RPD values

FORM III
HERBICIDES MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 15F0211889.D
Lab ID: 460-319158-2 MS Client ID: MW-01_20250122 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
2,4,5-T	2.00	1.2 U	1.44	72	35-150	
2,4,5-T	2.00	1.2 U	0.751 J	38	35-150	
2,4-D	8.00	1.2 U	2.16	27	25-150	
2,4-D	8.00	1.2 U	2.29	29	25-150	
Silvex (2,4,5-TP)	2.00	1.2 U	1.14 J	57	39-150	
Silvex (2,4,5-TP)	2.00	1.2 U	1.18 J	59	39-150	

Column to be used to flag recovery and RPD values

FORM III
HERBICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-319158-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 15F0211890.D
Lab ID: 460-319158-2 MSD Client ID: MW-01_20250122 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
2,4,5-T	2.00	3.53	177	84	30	35-150	*
2,4,5-T	2.00	2.61	130	111	30	35-150	*
2,4-D	8.00	6.96	87	105	30	25-150	*
2,4-D	8.00	8.70	109	117	30	25-150	*
Silvex (2,4,5-TP)	2.00	2.54	127	76	30	39-150	*
Silvex (2,4,5-TP)	2.00	2.88	144	84	30	39-150	*

Column to be used to flag recovery and RPD values

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-319158-1

SDG No.: _____

Lab Sample ID: CCV 460-1017895/28 Calibration Date: 01/24/2025 13:48

Instrument ID: CPESTGC15 Calib Start Date: 01/17/2025 10:35

GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 01/17/2025 12:10

Lab File ID: 15F0211893.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	355630	324253		417	458	-8.8	15.0
Dicamba	Ave	1092144	864404		376	475	-20.9*	15.0
Mecoprop	Ave	1147	1379		57000	47400	20.3*	15.0
MCPA	Ave	1781	1934		50900	46900	8.6	15.0
Dichlorprop	Ave	260490	255045		465	475	-2.1	15.0
2,4-D	Ave	292833	297017		482	475	1.4	15.0
Pentachlorophenol	Ave	3579556	3744256		249	238	4.6	15.0
Silvex (2,4,5-TP)	Ave	1302926	1377271		507	480	5.7	15.0
2,4,5-T	Ave	1310434	1382113		506	480	5.5	15.0
2,4-DB	Ave	283891	294286		503	485	3.7	15.0
Picloram	Ave	2103824	2154617		241	235	2.4	15.0
Dinoseb	Ave	927107	958244		496	480	3.4	15.0
2,4-Dichlorophenylacetic acid	Ave	290387	240407		791	955	-17.2*	15.0

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Patrick Diggins
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Generated 2/3/2025 11:05:09 AM

JOB DESCRIPTION

Bud North - 2-21 Malt Drive, Long Island

JOB NUMBER

460-319159-1

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
2/3/2025 11:05:09 AM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	8
Isotope Dilution Summary	18
QC Sample Results	21
QC Association Summary	39
Lab Chronicle	40
Certification Summary	41
Method Summary	42
Sample Summary	43
Chain of Custody	44
Receipt Checklists	57

Definitions/Glossary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: AKRF Inc
Project: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Job ID: 460-319159-1

Eurofins Edison

Job Narrative 460-319159-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/22/2025 6:00 PM and 1/27/2025 6:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.5°C, 3.7°C, 4.4°C, 5.5°C, 5.7°C and 5.9°C.

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Samples MW-02_20250122 (460-319159-1), MW-01_20250122 (460-319159-2), MW-01_20250122 (460-319159-2MS), MW-01_20250122 (460-319159-2MSD), MW-01X_20250122 (460-319159-3), FB-01_20250122 (460-319159-4) and MW-03_20250127 (460-319401-1) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 1/27/2025 and 1/31/2025 and analyzed on 1/28/2025 and 1/31/2025.

The low level continuing calibration verification (CCVL) associated with batch 240-642732 recovered above the upper control limit for Perfluorodecanesulfonic acid (PFDS). The samples associated with this CCVL were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-02_20250122 (460-319159-1), MW-01_20250122 (460-319159-2), MW-01_20250122 (460-319159-2[MS]), MW-01_20250122 (460-319159-2[MSD]), MW-01X_20250122 (460-319159-3), FB-01_20250122 (460-319159-4), (CCVL 240-642732/2) and (460-319159-B-1-A DU).

The continuing calibration verification (CCV) recovered outside of control limits for IDA compound(s) (flagged). Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCV(s) must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analytes associated with this IDA are within spec, data is reported. The following samples are impacted: MW-02_20250122 (460-319159-1), MW-01_20250122 (460-319159-2), MW-01_20250122 (460-319159-2[MS]), MW-01_20250122 (460-319159-2[MSD]), MW-01X_20250122 (460-319159-3), FB-01_20250122 (460-319159-4), (CCVIS 240-642732/3) and (460-319159-B-1-A DU).

The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: MW-02_20250122 (460-319159-1). Generally, data quality is not considered affected if the IDA recovery is greater than 5% and signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample(s).

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MW-01_20250122 (460-319159-2). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Dilution performed per analyst visual inspection due to high amount of particulate matter in sample. Aliquot taken. Laboratory proceeded with analysis.

MW-03_20250127 (460-319401-1)

Eurofins Edison

Detection Summary

Client: AKRF Inc

Job ID: 460-319159-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319159-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	22.3		5.92	1.58	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	37.4		2.96	0.74	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	42.0		1.48	0.37	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	13.4		1.48	0.37	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	45.5		1.48	0.37	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	2.43		1.48	0.37	ng/L	1		1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.89	J	1.48	0.37	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	13.2		1.48	0.37	ng/L	1		1633	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.70	J	1.48	0.37	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.06		1.48	0.38	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12.7		1.48	0.37	ng/L	1		1633	Total/NA

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319159-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	9.72		6.32	1.68	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	8.80		3.16	0.79	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	9.32		1.58	0.39	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.02		1.58	0.39	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	31.4		1.58	0.39	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	0.89	J	1.58	0.39	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.47		1.58	0.39	ng/L	1		1633	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	1.58	0.39	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.28	J	1.58	0.41	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.05		1.58	0.39	ng/L	1		1633	Total/NA

Client Sample ID: MW-01X_20250122

Lab Sample ID: 460-319159-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	23.9		6.15	1.64	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	37.7		3.08	0.77	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	41.8		1.54	0.38	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	13.0		1.54	0.38	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	47.0		1.54	0.38	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	2.67		1.54	0.38	ng/L	1		1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.81	J	1.54	0.38	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	12.5		1.54	0.38	ng/L	1		1633	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.70	J	1.54	0.38	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.33		1.54	0.40	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	13.2		1.54	0.38	ng/L	1		1633	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.81	J	1.54	0.48	ng/L	1		1633	Total/NA

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319159-4

No Detections.

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319401-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	34.5		17.1	4.54	ng/L	1		1633	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: AKRF Inc

Job ID: 460-319159-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Client Sample ID: MW-03_20250127 (Continued)

Lab Sample ID: 460-319401-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	40.4		8.53	2.13	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	54.1		4.27	1.07	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	17.3		4.27	1.07	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	50.0		4.27	1.07	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	2.05	J	4.27	1.07	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	22.3		4.27	1.07	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.44		4.27	1.10	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.20		4.27	1.07	ng/L	1		1633	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319159-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22.3		5.92	1.58	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluoropentanoic acid (PFPeA)	37.4		2.96	0.74	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorohexanoic acid (PFHxA)	42.0		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluoroheptanoic acid (PFHpA)	13.4		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorooctanoic acid (PFOA)	45.5		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorononanoic acid (PFNA)	2.43		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorodecanoic acid (PFDA)	0.89 J		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluoroundecanoic acid (PFUnA)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorododecanoic acid (PFDoA)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorotridecanoic acid (PFTrDA)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorotetradecanoic acid (PFTeDA)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorobutanesulfonic acid (PFBS)	13.2		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluoropentanesulfonic acid (PFPeS)	0.70 J		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorohexanesulfonic acid (PFHxS)	4.06		1.48	0.38	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluoroheptanesulfonic acid (PFHpS)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorooctanesulfonic acid (PFOS)	12.7		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorononanesulfonic acid (PFNS)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorododecanesulfonic acid (PFDoS)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.92 U		5.92	1.48	ng/L		01/27/25 13:46	01/28/25 04:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.92 U		5.92	1.48	ng/L		01/27/25 13:46	01/28/25 04:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.92 U		5.92	1.48	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorooctanesulfonamide (PFOSA)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.48 U		1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.48 U		1.48	0.46	ng/L		01/27/25 13:46	01/28/25 04:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.48 U		1.48	0.39	ng/L		01/27/25 13:46	01/28/25 04:51	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	14.8 U		14.8	3.70	ng/L		01/27/25 13:46	01/28/25 04:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	14.8 U		14.8	3.70	ng/L		01/27/25 13:46	01/28/25 04:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	5.92 U		5.92	1.48	ng/L		01/27/25 13:46	01/28/25 04:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.92 U		5.92	1.48	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.96 U		2.96	0.74	ng/L		01/27/25 13:46	01/28/25 04:51	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	2.96 U		2.96	0.90	ng/L		01/27/25 13:46	01/28/25 04:51	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.92 U		5.92	1.48	ng/L		01/27/25 13:46	01/28/25 04:51	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.92 U		5.92	1.48	ng/L		01/27/25 13:46	01/28/25 04:51	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319159-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.96	U	2.96	0.74	ng/L		01/27/25 13:46	01/28/25 04:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.40	U	7.40	1.85	ng/L		01/27/25 13:46	01/28/25 04:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	37.0	U	37.0	9.25	ng/L		01/27/25 13:46	01/28/25 04:51	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	37.0	U	37.0	11.0	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluorodecanesulfonic acid (PFDS)	1.48	U	1.48	0.37	ng/L		01/27/25 13:46	01/28/25 04:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.96	U	2.96	0.74	ng/L		01/27/25 13:46	01/28/25 04:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	68.2		10 - 130				01/27/25 13:46	01/28/25 04:51	1
13C5 PFPeA	53.1		35 - 150				01/27/25 13:46	01/28/25 04:51	1
13C5 PFHxA	53.5	*	55 - 150				01/27/25 13:46	01/28/25 04:51	1
13C4 PFHpA	51.9	*	55 - 150				01/27/25 13:46	01/28/25 04:51	1
13C8 PFOA	62.7		60 - 140				01/27/25 13:46	01/28/25 04:51	1
13C9 PFNA	64.6		55 - 140				01/27/25 13:46	01/28/25 04:51	1
13C6 PFDA	52.7		50 - 140				01/27/25 13:46	01/28/25 04:51	1
13C7 PFUnA	58.2		30 - 140				01/27/25 13:46	01/28/25 04:51	1
13C2 PFTeDA	50.9		10 - 130				01/27/25 13:46	01/28/25 04:51	1
13C3 PFBS	67.3		55 - 150				01/27/25 13:46	01/28/25 04:51	1
13C3 PFHxS	72.8		55 - 150				01/27/25 13:46	01/28/25 04:51	1
13C8 PFOS	57.4		45 - 140				01/27/25 13:46	01/28/25 04:51	1
13C8 FOSA	53.2		30 - 130				01/27/25 13:46	01/28/25 04:51	1
d3-NMeFOSAA	64.9		45 - 200				01/27/25 13:46	01/28/25 04:51	1
d5-NEtFOSAA	69.7		10 - 200				01/27/25 13:46	01/28/25 04:51	1
M2-4:2 FTS	147		60 - 200				01/27/25 13:46	01/28/25 04:51	1
M2-6:2 FTS	93.0		60 - 200				01/27/25 13:46	01/28/25 04:51	1
M2-8:2 FTS	77.1		50 - 200				01/27/25 13:46	01/28/25 04:51	1
13C3 HFPO-DA	57.7		25 - 160				01/27/25 13:46	01/28/25 04:51	1
d7-N-MeFOSE-M	46.7		10 - 150				01/27/25 13:46	01/28/25 04:51	1
d9-N-EtFOSE-M	50.1		10 - 150				01/27/25 13:46	01/28/25 04:51	1
d5-NEtPFOSA	52.5		10 - 130				01/27/25 13:46	01/28/25 04:51	1
d3-NMePFOSA	48.7		15 - 130				01/27/25 13:46	01/28/25 04:51	1
13C2-PFDoDA	48.8		10 - 150				01/27/25 13:46	01/28/25 04:51	1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319159-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	9.72		6.32	1.68	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluoropentanoic acid (PFPeA)	8.80		3.16	0.79	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorohexanoic acid (PFHxA)	9.32		1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluoroheptanoic acid (PFHpA)	6.02		1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorooctanoic acid (PFOA)	31.4		1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorononanoic acid (PFNA)	0.89	J	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorodecanoic acid (PFDA)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluoroundecanoic acid (PFUnA)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319159-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorotridecanoic acid (PFTrDA)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorotetradecanoic acid (PFTeDA)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorobutanesulfonic acid (PFBS)	2.47		1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorohexanesulfonic acid (PFHxS)	1.28	J	1.58	0.41	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluoroheptanesulfonic acid (PFHpS)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorooctanesulfonic acid (PFOS)	6.05		1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorononanesulfonic acid (PFNS)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorododecanesulfonic acid (PFDoS)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.32	U	6.32	1.58	ng/L		01/27/25 13:46	01/28/25 05:08	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.32	U	6.32	1.58	ng/L		01/27/25 13:46	01/28/25 05:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.32	U	6.32	1.58	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorooctanesulfonamide (PFOSA)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.58	U	1.58	0.49	ng/L		01/27/25 13:46	01/28/25 05:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.58	U	1.58	0.41	ng/L		01/27/25 13:46	01/28/25 05:08	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.8	U	15.8	3.95	ng/L		01/27/25 13:46	01/28/25 05:08	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.8	U	15.8	3.95	ng/L		01/27/25 13:46	01/28/25 05:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.32	U	6.32	1.58	ng/L		01/27/25 13:46	01/28/25 05:08	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	6.32	U	6.32	1.58	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.16	U	3.16	0.79	ng/L		01/27/25 13:46	01/28/25 05:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.16	U	3.16	0.96	ng/L		01/27/25 13:46	01/28/25 05:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.32	U	6.32	1.58	ng/L		01/27/25 13:46	01/28/25 05:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.32	U	6.32	1.58	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.16	U	3.16	0.79	ng/L		01/27/25 13:46	01/28/25 05:08	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.90	U	7.90	1.97	ng/L		01/27/25 13:46	01/28/25 05:08	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.5	U	39.5	9.87	ng/L		01/27/25 13:46	01/28/25 05:08	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.5	U	39.5	11.8	ng/L		01/27/25 13:46	01/28/25 05:08	1
Perfluorodecanesulfonic acid (PFDS)	1.58	U	1.58	0.39	ng/L		01/27/25 13:46	01/28/25 05:08	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319159-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.16	U	3.16	0.79	ng/L		01/27/25 13:46	01/28/25 05:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	84.7		10 - 130				01/27/25 13:46	01/28/25 05:08	1
13C5 PFPeA	73.6		35 - 150				01/27/25 13:46	01/28/25 05:08	1
13C5 PFHxA	78.3		55 - 150				01/27/25 13:46	01/28/25 05:08	1
13C4 PFHpA	75.6		55 - 150				01/27/25 13:46	01/28/25 05:08	1
13C8 PFOA	89.3		60 - 140				01/27/25 13:46	01/28/25 05:08	1
13C9 PFNA	92.2		55 - 140				01/27/25 13:46	01/28/25 05:08	1
13C6 PFDA	77.2		50 - 140				01/27/25 13:46	01/28/25 05:08	1
13C7 PFUnA	79.1		30 - 140				01/27/25 13:46	01/28/25 05:08	1
13C2 PFTeDA	60.3		10 - 130				01/27/25 13:46	01/28/25 05:08	1
13C3 PFBS	88.8		55 - 150				01/27/25 13:46	01/28/25 05:08	1
13C3 PFHxS	101		55 - 150				01/27/25 13:46	01/28/25 05:08	1
13C8 PFOS	78.0		45 - 140				01/27/25 13:46	01/28/25 05:08	1
13C8 FOSA	75.7		30 - 130				01/27/25 13:46	01/28/25 05:08	1
d3-NMeFOSAA	89.5		45 - 200				01/27/25 13:46	01/28/25 05:08	1
d5-NEtFOSAA	89.4		10 - 200				01/27/25 13:46	01/28/25 05:08	1
M2-4:2 FTS	203	*	60 - 200				01/27/25 13:46	01/28/25 05:08	1
M2-6:2 FTS	124		60 - 200				01/27/25 13:46	01/28/25 05:08	1
M2-8:2 FTS	104		50 - 200				01/27/25 13:46	01/28/25 05:08	1
13C3 HFPO-DA	82.0		25 - 160				01/27/25 13:46	01/28/25 05:08	1
d7-N-MeFOSE-M	63.7		10 - 150				01/27/25 13:46	01/28/25 05:08	1
d9-N-EtFOSE-M	69.4		10 - 150				01/27/25 13:46	01/28/25 05:08	1
d5-NEtPFOSA	70.0		10 - 130				01/27/25 13:46	01/28/25 05:08	1
d3-NMePFOSA	65.0		15 - 130				01/27/25 13:46	01/28/25 05:08	1
13C2-PFDoDA	65.7		10 - 150				01/27/25 13:46	01/28/25 05:08	1

Client Sample ID: MW-01X_20250122

Lab Sample ID: 460-319159-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	23.9		6.15	1.64	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluoropentanoic acid (PFPeA)	37.7		3.08	0.77	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorohexanoic acid (PFHxA)	41.8		1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluoroheptanoic acid (PFHpA)	13.0		1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorooctanoic acid (PFOA)	47.0		1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorononanoic acid (PFNA)	2.67		1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorodecanoic acid (PFDA)	0.81	J	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluoroundecanoic acid (PFUnA)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorododecanoic acid (PFDoA)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorotridecanoic acid (PFTTrDA)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorotetradecanoic acid (PFTeDA)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorobutanesulfonic acid (PFBS)	12.5		1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluoropentanesulfonic acid (PFPeS)	0.70	J	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorohexanesulfonic acid (PFHxS)	4.33		1.54	0.40	ng/L		01/27/25 13:46	01/28/25 05:58	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-01X_20250122

Lab Sample ID: 460-319159-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorooctanesulfonic acid (PFOS)	13.2		1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorononanesulfonic acid (PFNS)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorododecanesulfonic acid (PFDoS)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.15	U	6.15	1.54	ng/L		01/27/25 13:46	01/28/25 05:58	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.15	U	6.15	1.54	ng/L		01/27/25 13:46	01/28/25 05:58	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.15	U	6.15	1.54	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorooctanesulfonamide (PFOSA)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.81	J	1.54	0.48	ng/L		01/27/25 13:46	01/28/25 05:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.54	U	1.54	0.40	ng/L		01/27/25 13:46	01/28/25 05:58	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.4	U	15.4	3.84	ng/L		01/27/25 13:46	01/28/25 05:58	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.4	U	15.4	3.84	ng/L		01/27/25 13:46	01/28/25 05:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.15	U	6.15	1.54	ng/L		01/27/25 13:46	01/28/25 05:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.15	U	6.15	1.54	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.08	U	3.08	0.77	ng/L		01/27/25 13:46	01/28/25 05:58	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.08	U	3.08	0.94	ng/L		01/27/25 13:46	01/28/25 05:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.15	U	6.15	1.54	ng/L		01/27/25 13:46	01/28/25 05:58	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.15	U	6.15	1.54	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.08	U	3.08	0.77	ng/L		01/27/25 13:46	01/28/25 05:58	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.69	U	7.69	1.92	ng/L		01/27/25 13:46	01/28/25 05:58	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	38.4	U	38.4	9.61	ng/L		01/27/25 13:46	01/28/25 05:58	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	38.4	U	38.4	11.5	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluorodecanesulfonic acid (PFDS)	1.54	U	1.54	0.38	ng/L		01/27/25 13:46	01/28/25 05:58	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.08	U	3.08	0.77	ng/L		01/27/25 13:46	01/28/25 05:58	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	70.3		10 - 130				01/27/25 13:46	01/28/25 05:58	1
13C5 PFPeA	57.0		35 - 150				01/27/25 13:46	01/28/25 05:58	1
13C5 PFHxA	61.1		55 - 150				01/27/25 13:46	01/28/25 05:58	1
13C4 PFHpA	59.4		55 - 150				01/27/25 13:46	01/28/25 05:58	1
13C8 PFOA	70.8		60 - 140				01/27/25 13:46	01/28/25 05:58	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-01X_20250122

Lab Sample ID: 460-319159-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	72.3		55 - 140	01/27/25 13:46	01/28/25 05:58	1
13C6 PFDA	63.1		50 - 140	01/27/25 13:46	01/28/25 05:58	1
13C7 PFUnA	67.9		30 - 140	01/27/25 13:46	01/28/25 05:58	1
13C2 PFTeDA	53.6		10 - 130	01/27/25 13:46	01/28/25 05:58	1
13C3 PFBS	74.6		55 - 150	01/27/25 13:46	01/28/25 05:58	1
13C3 PFHxS	79.8		55 - 150	01/27/25 13:46	01/28/25 05:58	1
13C8 PFOS	65.0		45 - 140	01/27/25 13:46	01/28/25 05:58	1
13C8 FOSA	61.6		30 - 130	01/27/25 13:46	01/28/25 05:58	1
d3-NMeFOSAA	74.9		45 - 200	01/27/25 13:46	01/28/25 05:58	1
d5-NEtFOSAA	73.6		10 - 200	01/27/25 13:46	01/28/25 05:58	1
M2-4:2 FTS	165		60 - 200	01/27/25 13:46	01/28/25 05:58	1
M2-6:2 FTS	105		60 - 200	01/27/25 13:46	01/28/25 05:58	1
M2-8:2 FTS	81.7		50 - 200	01/27/25 13:46	01/28/25 05:58	1
13C3 HFPO-DA	62.4		25 - 160	01/27/25 13:46	01/28/25 05:58	1
d7-N-MeFOSE-M	54.3		10 - 150	01/27/25 13:46	01/28/25 05:58	1
d9-N-EtFOSE-M	52.8		10 - 150	01/27/25 13:46	01/28/25 05:58	1
d5-NEtPFOSA	57.6		10 - 130	01/27/25 13:46	01/28/25 05:58	1
d3-NMePFOSA	51.5		15 - 130	01/27/25 13:46	01/28/25 05:58	1
13C2-PFDoDA	55.4		10 - 150	01/27/25 13:46	01/28/25 05:58	1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319159-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.99	U	5.99	1.60	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluoropentanoic acid (PFPeA)	3.00	U	3.00	0.75	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorohexanoic acid (PFHxA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluoroheptanoic acid (PFHpA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorooctanoic acid (PFOA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorononanoic acid (PFNA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorodecanoic acid (PFDA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluoroundecanoic acid (PFUnA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorododecanoic acid (PFDoA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorotridecanoic acid (PFTrDA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorotetradecanoic acid (PFTeDA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorobutanesulfonic acid (PFBS)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluoropentanesulfonic acid (PFPeS)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorohexanesulfonic acid (PFHxS)	1.50	U	1.50	0.39	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluoroheptanesulfonic acid (PFHpS)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorooctanesulfonic acid (PFOS)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorononanesulfonic acid (PFNS)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorododecanesulfonic acid (PFDoS)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.99	U	5.99	1.50	ng/L		01/27/25 13:46	01/28/25 06:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.99	U	5.99	1.50	ng/L		01/27/25 13:46	01/28/25 06:14	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319159-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.99	U	5.99	1.50	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorooctanesulfonamide (PFOSA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.50	U	1.50	0.46	ng/L		01/27/25 13:46	01/28/25 06:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.50	U	1.50	0.39	ng/L		01/27/25 13:46	01/28/25 06:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.0	U	15.0	3.74	ng/L		01/27/25 13:46	01/28/25 06:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.0	U	15.0	3.74	ng/L		01/27/25 13:46	01/28/25 06:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	5.99	U	5.99	1.50	ng/L		01/27/25 13:46	01/28/25 06:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.99	U	5.99	1.50	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.00	U	3.00	0.75	ng/L		01/27/25 13:46	01/28/25 06:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.00	U	3.00	0.91	ng/L		01/27/25 13:46	01/28/25 06:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.99	U	5.99	1.50	ng/L		01/27/25 13:46	01/28/25 06:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.99	U	5.99	1.50	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.00	U	3.00	0.75	ng/L		01/27/25 13:46	01/28/25 06:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.49	U	7.49	1.87	ng/L		01/27/25 13:46	01/28/25 06:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	37.4	U	37.4	9.36	ng/L		01/27/25 13:46	01/28/25 06:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	37.4	U	37.4	11.2	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluorodecanesulfonic acid (PFDS)	1.50	U	1.50	0.37	ng/L		01/27/25 13:46	01/28/25 06:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.00	U	3.00	0.75	ng/L		01/27/25 13:46	01/28/25 06:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84.7		10 - 130	01/27/25 13:46	01/28/25 06:14	1
13C5 PFPeA	76.9		35 - 150	01/27/25 13:46	01/28/25 06:14	1
13C5 PFHxA	72.5		55 - 150	01/27/25 13:46	01/28/25 06:14	1
13C4 PFHpA	70.2		55 - 150	01/27/25 13:46	01/28/25 06:14	1
13C8 PFOA	84.3		60 - 140	01/27/25 13:46	01/28/25 06:14	1
13C9 PFNA	90.2		55 - 140	01/27/25 13:46	01/28/25 06:14	1
13C6 PFDA	75.6		50 - 140	01/27/25 13:46	01/28/25 06:14	1
13C7 PFUnA	78.8		30 - 140	01/27/25 13:46	01/28/25 06:14	1
13C2 PFTeDA	60.1		10 - 130	01/27/25 13:46	01/28/25 06:14	1
13C3 PFBS	87.2		55 - 150	01/27/25 13:46	01/28/25 06:14	1
13C3 PFHxS	91.8		55 - 150	01/27/25 13:46	01/28/25 06:14	1
13C8 PFOS	76.2		45 - 140	01/27/25 13:46	01/28/25 06:14	1
13C8 FOSA	74.5		30 - 130	01/27/25 13:46	01/28/25 06:14	1
d3-NMeFOSAA	79.3		45 - 200	01/27/25 13:46	01/28/25 06:14	1
d5-NEtFOSAA	85.1		10 - 200	01/27/25 13:46	01/28/25 06:14	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319159-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	94.3		60 - 200	01/27/25 13:46	01/28/25 06:14	1
M2-6:2 FTS	102		60 - 200	01/27/25 13:46	01/28/25 06:14	1
M2-8:2 FTS	93.5		50 - 200	01/27/25 13:46	01/28/25 06:14	1
13C3 HFPO-DA	76.4		25 - 160	01/27/25 13:46	01/28/25 06:14	1
d7-N-MeFOSE-M	70.1		10 - 150	01/27/25 13:46	01/28/25 06:14	1
d9-N-EtFOSE-M	73.1		10 - 150	01/27/25 13:46	01/28/25 06:14	1
d5-NEtPFOSA	70.7		10 - 130	01/27/25 13:46	01/28/25 06:14	1
d3-NMePFOSA	63.9		15 - 130	01/27/25 13:46	01/28/25 06:14	1
13C2-PFDoDA	67.3		10 - 150	01/27/25 13:46	01/28/25 06:14	1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319401-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	34.5		17.1	4.54	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluoropentanoic acid (PFPeA)	40.4		8.53	2.13	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorohexanoic acid (PFHxA)	54.1		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluoroheptanoic acid (PFHpA)	17.3		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorooctanoic acid (PFOA)	50.0		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorononanoic acid (PFNA)	2.05 J		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorodecanoic acid (PFDA)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluoroundecanoic acid (PFUnA)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorododecanoic acid (PFDoA)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorotridecanoic acid (PFTrDA)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorotetradecanoic acid (PFTeDA)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorobutanesulfonic acid (PFBS)	22.3		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluoropentanesulfonic acid (PFPeS)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorohexanesulfonic acid (PFHxS)	4.44		4.27	1.10	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluoroheptanesulfonic acid (PFHpS)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorooctanesulfonic acid (PFOS)	5.20		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorononanesulfonic acid (PFNS)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorododecanesulfonic acid (PFDoS)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	17.1 U		17.1	4.27	ng/L		01/31/25 08:55	01/31/25 15:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	17.1 U		17.1	4.27	ng/L		01/31/25 08:55	01/31/25 15:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	17.1 U		17.1	4.27	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorooctanesulfonamide (PFOSA)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.27 U		4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.27 U		4.27	1.32	ng/L		01/31/25 08:55	01/31/25 15:23	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319401-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.27	U	4.27	1.11	ng/L		01/31/25 08:55	01/31/25 15:23	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	42.7	U	42.7	10.7	ng/L		01/31/25 08:55	01/31/25 15:23	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	42.7	U	42.7	10.7	ng/L		01/31/25 08:55	01/31/25 15:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	17.1	U	17.1	4.27	ng/L		01/31/25 08:55	01/31/25 15:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	17.1	U	17.1	4.27	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	8.53	U	8.53	2.13	ng/L		01/31/25 08:55	01/31/25 15:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.53	U	8.53	2.60	ng/L		01/31/25 08:55	01/31/25 15:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	17.1	U	17.1	4.27	ng/L		01/31/25 08:55	01/31/25 15:23	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	17.1	U	17.1	4.27	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	8.53	U	8.53	2.13	ng/L		01/31/25 08:55	01/31/25 15:23	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	21.3	U	21.3	5.33	ng/L		01/31/25 08:55	01/31/25 15:23	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	107	U	107	26.7	ng/L		01/31/25 08:55	01/31/25 15:23	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	107	U	107	31.8	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluorodecanesulfonic acid (PFDS)	4.27	U	4.27	1.07	ng/L		01/31/25 08:55	01/31/25 15:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	8.53	U	8.53	2.13	ng/L		01/31/25 08:55	01/31/25 15:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
¹³ C4 PFBA	93.3		10 - 130	01/31/25 08:55	01/31/25 15:23	1
¹³ C5 PFPeA	94.7		35 - 150	01/31/25 08:55	01/31/25 15:23	1
¹³ C5 PFHxA	86.6		55 - 150	01/31/25 08:55	01/31/25 15:23	1
¹³ C4 PFHpA	87.2		55 - 150	01/31/25 08:55	01/31/25 15:23	1
¹³ C8 PFOA	97.9		60 - 140	01/31/25 08:55	01/31/25 15:23	1
¹³ C9 PFNA	107		55 - 140	01/31/25 08:55	01/31/25 15:23	1
¹³ C6 PFDA	95.9		50 - 140	01/31/25 08:55	01/31/25 15:23	1
¹³ C7 PFUnA	84.9		30 - 140	01/31/25 08:55	01/31/25 15:23	1
¹³ C2 PFTeDA	77.4		10 - 130	01/31/25 08:55	01/31/25 15:23	1
¹³ C3 PFBS	98.8		55 - 150	01/31/25 08:55	01/31/25 15:23	1
¹³ C3 PFHxS	105		55 - 150	01/31/25 08:55	01/31/25 15:23	1
¹³ C8 PFOS	99.3		45 - 140	01/31/25 08:55	01/31/25 15:23	1
¹³ C8 FOSA	96.2		30 - 130	01/31/25 08:55	01/31/25 15:23	1
d3-NMeFOSAA	91.8		45 - 200	01/31/25 08:55	01/31/25 15:23	1
d5-NEtFOSAA	103		10 - 200	01/31/25 08:55	01/31/25 15:23	1
M2-4:2 FTS	166		60 - 200	01/31/25 08:55	01/31/25 15:23	1
M2-6:2 FTS	120		60 - 200	01/31/25 08:55	01/31/25 15:23	1
M2-8:2 FTS	104		50 - 200	01/31/25 08:55	01/31/25 15:23	1
¹³ C3 HFPO-DA	86.3		25 - 160	01/31/25 08:55	01/31/25 15:23	1
d7-N-MeFOSE-M	37.8		10 - 150	01/31/25 08:55	01/31/25 15:23	1
d9-N-EtFOSE-M	19.9		10 - 150	01/31/25 08:55	01/31/25 15:23	1
d5-NEtPFOSA	77.3		10 - 130	01/31/25 08:55	01/31/25 15:23	1
d3-NMePFOSA	70.6		15 - 130	01/31/25 08:55	01/31/25 15:23	1

Eurofins Edison

Client Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319401-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)						
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-PFDoDA	78.0		10 - 150	01/31/25 08:55	01/31/25 15:23	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Isotope Dilution Summary

Client: AKRF Inc

Job ID: 460-319159-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (10-130)	PFPeA (35-150)	13C5PHA (55-150)	C4PFHA (55-150)	C8PFOA (60-140)	C9PFNA (55-140)	C6PFDA (50-140)	13C7PUA (30-140)
460-319159-1	MW-02_20250122	68.2	53.1	53.5 *	51.9 *	62.7	64.6	52.7	58.2
460-319159-1 DU	MW-02_20250122	68.7	54.8	59.0	56.4	65.6	68.2	56.9	63.5
460-319159-2	MW-01_20250122	84.7	73.6	78.3	75.6	89.3	92.2	77.2	79.1
460-319159-2 MS	MW-01_20250122	66.3	54.0	57.3	56.0	60.0	66.7	55.4	56.8
460-319159-2 MSD	MW-01_20250122	79.4	67.7	71.0	70.1	85.0	87.7	72.6	74.8
460-319159-3	MW-01X_20250122	70.3	57.0	61.1	59.4	70.8	72.3	63.1	67.9
460-319159-4	FB-01_20250122	84.7	76.9	72.5	70.2	84.3	90.2	75.6	78.8
460-319401-1	MW-03_20250127	93.3	94.7	86.6	87.2	97.9	107	95.9	84.9
MB 240-642719/1-A	Method Blank	96.5	91.0	88.3	89.4	100	102	87.5	94.3
MB 240-643167/1-A	Method Blank	78.8	85.0	74.3	74.3	75.7	80.9	71.4	69.6
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (55-150)	C3PFHS (55-150)	C8PFOS (45-140)	PFOSA (30-130)	d3NMFOS (45-200)	d5NEFOS (10-200)	M242FTS (60-200)
460-319159-1	MW-02_20250122	50.9	67.3	72.8	57.4	53.2	64.9	69.7	147
460-319159-1 DU	MW-02_20250122	55.4	68.9	74.8	60.4	58.0	68.4	94.4	142
460-319159-2	MW-01_20250122	60.3	88.8	101	78.0	75.7	89.5	89.4	203 *
460-319159-2 MS	MW-01_20250122	40.7	67.3	73.5	56.5	53.0	65.9	65.8	156
460-319159-2 MSD	MW-01_20250122	56.3	82.0	89.0	74.4	71.4	84.9	82.6	184
460-319159-3	MW-01X_20250122	53.6	74.6	79.8	65.0	61.6	74.9	73.6	165
460-319159-4	FB-01_20250122	60.1	87.2	91.8	76.2	74.5	79.3	85.1	94.3
460-319401-1	MW-03_20250127	77.4	98.8	105	99.3	96.2	91.8	103	166
MB 240-642719/1-A	Method Blank	71.6	106	111	84.7	84.0	96.8	117	117
MB 240-643167/1-A	Method Blank	75.6	77.7	79.4	70.9	72.3	71.2	88.8	78.3
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (60-200)	M282FTS (50-200)	HFPODA (25-160)	NMFM (10-150)	NEFM (10-150)	d5NPFSA (10-130)	d3NMFSA (15-130)	PFDODA (10-150)
460-319159-1	MW-02_20250122	93.0	77.1	57.7	46.7	50.1	52.5	48.7	48.8
460-319159-1 DU	MW-02_20250122	93.0	82.5	56.6	53.8	54.4	57.2	50.5	54.2
460-319159-2	MW-01_20250122	124	104	82.0	63.7	69.4	70.0	65.0	65.7
460-319159-2 MS	MW-01_20250122	89.6	74.4	57.0	47.0	47.9	51.8	45.7	45.8
460-319159-2 MSD	MW-01_20250122	121	93.7	73.2	65.2	62.6	68.4	59.0	60.5
460-319159-3	MW-01X_20250122	105	81.7	62.4	54.3	52.8	57.6	51.5	55.4
460-319159-4	FB-01_20250122	102	93.5	76.4	70.1	73.1	70.7	63.9	67.3
460-319401-1	MW-03_20250127	120	104	86.3	37.8	19.9	77.3	70.6	78.0
MB 240-642719/1-A	Method Blank	123	111	95.9	76.9	83.8	81.9	69.5	78.4
MB 240-643167/1-A	Method Blank	77.2	76.0	78.3	54.2	53.6	63.6	58.1	69.7

Surrogate Legend

PFBA = 13C4 PFBA

PFPeA = 13C5 PFPeA

13C5PHA = 13C5 PFHxA

C4PFHA = 13C4 PFHpA

C8PFOA = 13C8 PFOA

C9PFNA = 13C9 PFNA

C6PFDA = 13C6 PFDA

13C7PUA = 13C7 PFUnA

PFTDA = 13C2 PFTeDA

C3PFBS = 13C3 PFBS

C3PFHS = 13C3 PFHxS

Eurofins Edison

Isotope Dilution Summary

Client: AKRF Inc

Job ID: 460-319159-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

C8PFOS = 13C8 PFOS
 PFOSA = 13C8 FOSA
 d3NMFOS = d3-NMeFOSAA
 d5NEFOS = d5-NEtFOSAA
 M242FTS = M2-4:2 FTS
 M262FTS = M2-6:2 FTS
 M282FTS = M2-8:2 FTS
 HFPODA = 13C3 HFPO-DA
 NMFM = d7-N-MeFOSE-M
 NEFM = d9-N-EtFOSE-M
 d5NPFSA = d5-NEtPFOSA
 d3NMFSA = d3-NMePFOSA
 PFDODA = 13C2-PFDODA

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (10-130)	PFPeA (40-150)	13C5PHA (40-150)	C4PFHA (40-150)	C8PFOA (30-140)	C9PFNA (30-140)	C6PFDA (20-140)	13C7PUA (20-140)
LCS 240-642719/3-A	Lab Control Sample	84.8	82.3	72.8	72.9	82.1	86.8	70.7	74.7
LCS 240-643167/3-A	Lab Control Sample	74.8	83.3	76.2	73.2	76.4	79.9	73.4	72.0
LLCS 240-642719/2-A	Lab Control Sample	86.9	90.5	76.0	78.1	87.9	95.9	78.6	82.3
LLCS 240-643167/2-A	Lab Control Sample	68.5	77.4	68.3	67.6	69.4	72.0	64.2	61.2

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (25-150)	C3PFHS (25-150)	C8PFOS (20-140)	PFOSA (10-130)	d3NMFOS (10-200)	d5NEFOS (10-200)	M242FTS (25-200)
LCS 240-642719/3-A	Lab Control Sample	57.3	78.0	91.8	72.4	70.2	76.3	94.4	90.6
LCS 240-643167/3-A	Lab Control Sample	72.7	76.8	80.5	74.0	71.1	68.6	91.4	81.5
LLCS 240-642719/2-A	Lab Control Sample	56.1	88.0	96.3	78.9	77.3	81.3	101	103
LLCS 240-643167/2-A	Lab Control Sample	66.4	71.3	72.4	65.9	64.5	64.0	84.2	72.9

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-200)	M282FTS (25-200)	HFPODA (25-160)	NMFM (10-150)	NEFM (10-150)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDODA (10-150)
LCS 240-642719/3-A	Lab Control Sample	90.6	89.5	82.3	61.0	69.0	61.8	57.1	60.7
LCS 240-643167/3-A	Lab Control Sample	78.4	78.1	76.3	55.3	51.1	61.2	57.9	66.5
LLCS 240-642719/2-A	Lab Control Sample	109	100	90.7	67.8	76.6	68.7	60.2	63.4
LLCS 240-643167/2-A	Lab Control Sample	70.5	67.5	72.4	52.6	47.5	51.9	50.2	62.1

Surrogate Legend

PFBA = 13C4 PFBA
 PFPeA = 13C5 PFPeA
 13C5PHA = 13C5 PFHxA
 C4PFHA = 13C4 PFHpA
 C8PFOA = 13C8 PFOA
 C9PFNA = 13C9 PFNA
 C6PFDA = 13C6 PFDA
 13C7PUA = 13C7 PFUnA
 PFTDA = 13C2 PFTeDA
 C3PFBS = 13C3 PFBS
 C3PFHS = 13C3 PFHxS
 C8PFOS = 13C8 PFOS
 PFOSA = 13C8 FOSA
 d3NMFOS = d3-NMeFOSAA
 d5NEFOS = d5-NEtFOSAA
 M242FTS = M2-4:2 FTS

Eurofins Edison

Isotope Dilution Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Job ID: 460-319159-1

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-642719/1-A

Matrix: Water

Analysis Batch: 642732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 642719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.00	U	8.00	2.13	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluoropentanoic acid (PFPeA)	4.00	U	4.00	1.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorotridecanoic acid (PFTriDA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorotetradecanoic acid (PFTeDA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluoropentanesulfonic acid (PFPeS)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.52	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorononanesulfonic acid (PFNS)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorododecanesulfonic acid (PFDoS)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.00	U	8.00	2.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	8.00	U	8.00	2.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	8.00	U	8.00	2.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorooctanesulfonamide (PFOSA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.62	ng/L		01/27/25 13:46	01/28/25 04:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.52	ng/L		01/27/25 13:46	01/28/25 04:01	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	U	20.0	5.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	U	20.0	5.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	U	8.00	2.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	8.00	U	8.00	2.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	U	4.00	1.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	4.00	U	4.00	1.22	ng/L		01/27/25 13:46	01/28/25 04:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		01/27/25 13:46	01/28/25 04:01	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-642719/1-A

Matrix: Water

Analysis Batch: 642732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 642719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFESA)	4.00	U	4.00	1.00	ng/L		01/27/25 13:46	01/28/25 04:01	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	U	10.0	2.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	U	50.0	12.5	ng/L		01/27/25 13:46	01/28/25 04:01	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	U	50.0	14.9	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.50	ng/L		01/27/25 13:46	01/28/25 04:01	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	U	4.00	1.00	ng/L		01/27/25 13:46	01/28/25 04:01	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.5		10 - 130	01/27/25 13:46	01/28/25 04:01	1
13C5 PFPeA	91.0		35 - 150	01/27/25 13:46	01/28/25 04:01	1
13C5 PFHxA	88.3		55 - 150	01/27/25 13:46	01/28/25 04:01	1
13C4 PFHpA	89.4		55 - 150	01/27/25 13:46	01/28/25 04:01	1
13C8 PFOA	100		60 - 140	01/27/25 13:46	01/28/25 04:01	1
13C9 PFNA	102		55 - 140	01/27/25 13:46	01/28/25 04:01	1
13C6 PFDA	87.5		50 - 140	01/27/25 13:46	01/28/25 04:01	1
13C7 PFUnA	94.3		30 - 140	01/27/25 13:46	01/28/25 04:01	1
13C2 PFTeDA	71.6		10 - 130	01/27/25 13:46	01/28/25 04:01	1
13C3 PFBS	106		55 - 150	01/27/25 13:46	01/28/25 04:01	1
13C3 PFHxS	111		55 - 150	01/27/25 13:46	01/28/25 04:01	1
13C8 PFOS	84.7		45 - 140	01/27/25 13:46	01/28/25 04:01	1
13C8 FOSA	84.0		30 - 130	01/27/25 13:46	01/28/25 04:01	1
d3-NMeFOSAA	96.8		45 - 200	01/27/25 13:46	01/28/25 04:01	1
d5-NEtFOSAA	117		10 - 200	01/27/25 13:46	01/28/25 04:01	1
M2-4:2 FTS	117		60 - 200	01/27/25 13:46	01/28/25 04:01	1
M2-6:2 FTS	123		60 - 200	01/27/25 13:46	01/28/25 04:01	1
M2-8:2 FTS	111		50 - 200	01/27/25 13:46	01/28/25 04:01	1
13C3 HFPO-DA	95.9		25 - 160	01/27/25 13:46	01/28/25 04:01	1
d7-N-MeFOSE-M	76.9		10 - 150	01/27/25 13:46	01/28/25 04:01	1
d9-N-EtFOSE-M	83.8		10 - 150	01/27/25 13:46	01/28/25 04:01	1
d5-NEtPFOSA	81.9		10 - 130	01/27/25 13:46	01/28/25 04:01	1
d3-NMePFOSA	69.5		15 - 130	01/27/25 13:46	01/28/25 04:01	1
13C2-PFDoDA	78.4		10 - 150	01/27/25 13:46	01/28/25 04:01	1

Lab Sample ID: LCS 240-642719/3-A

Matrix: Water

Analysis Batch: 642732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	100	100.6		ng/L		101	58 - 148
Perfluoropentanoic acid (PFPeA)	50.0	55.99		ng/L		112	54 - 152
Perfluorohexanoic acid (PFHxA)	25.0	30.02		ng/L		120	55 - 152
Perfluoroheptanoic acid (PFHpA)	25.0	27.09		ng/L		108	54 - 154
Perfluorooctanoic acid (PFOA)	25.0	26.74		ng/L		107	52 - 161
Perfluorononanoic acid (PFNA)	25.0	27.94		ng/L		112	59 - 149
Perfluorodecanoic acid (PFDA)	25.0	27.04		ng/L		108	52 - 147

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-642719/3-A

Matrix: Water

Analysis Batch: 642732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	25.0	26.21		ng/L		105	48 - 159
Perfluorododecanoic acid (PFDoA)	25.0	25.21		ng/L		101	64 - 142
Perfluorotridecanoic acid (PFTrDA)	25.0	28.38		ng/L		114	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	25.0	22.65		ng/L		91	47 - 161
Perfluorobutanesulfonic acid (PFBS)	22.2	26.39		ng/L		119	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	22.26		ng/L		95	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	20.95		ng/L		92	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.9	29.71		ng/L		125	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.3	27.47		ng/L		118	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.1	27.54		ng/L		115	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.3	19.37		ng/L		80	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.8	97.59		ng/L		104	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	95.2	99.12		ng/L		104	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	96.0	98.29		ng/L		102	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	25.66		ng/L		103	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	29.65		ng/L		119	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	27.42		ng/L		110	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	26.55		ng/L		106	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	24.97		ng/L		100	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	242.6		ng/L		97	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	240.0		ng/L		96	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	108.0		ng/L		108	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.6	95.67		ng/L		101	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	53.23		ng/L		106	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	52.15		ng/L		104	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	93.4	91.28		ng/L		98	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	94.4	85.56		ng/L		91	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	44.6	47.68		ng/L		107	56 - 151

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-642719/3-A

Matrix: Water

Analysis Batch: 642732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	107.9		ng/L		86	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	637.4		ng/L		102	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	616.9		ng/L		99	50 - 138
Perfluorodecanesulfonic acid (PFDS)	24.1	28.95		ng/L		120	51 - 147
Perfluoro-3-methoxypropanoic acid (PFMPA)	50.0	47.47		ng/L		95	51 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	84.8		10 - 130
13C5 PFPeA	82.3		40 - 150
13C5 PFHxA	72.8		40 - 150
13C4 PFHpA	72.9		40 - 150
13C8 PFOA	82.1		30 - 140
13C9 PFNA	86.8		30 - 140
13C6 PFDA	70.7		20 - 140
13C7 PFUnA	74.7		20 - 140
13C2 PFTeDA	57.3		10 - 130
13C3 PFBS	78.0		25 - 150
13C3 PFHxS	91.8		25 - 150
13C8 PFOS	72.4		20 - 140
13C8 FOSA	70.2		10 - 130
d3-NMeFOSAA	76.3		10 - 200
d5-NEtFOSAA	94.4		10 - 200
M2-4:2 FTS	90.6		25 - 200
M2-6:2 FTS	90.6		25 - 200
M2-8:2 FTS	89.5		25 - 200
13C3 HFPO-DA	82.3		25 - 160
d7-N-MeFOSE-M	61.0		10 - 150
d9-N-EtFOSE-M	69.0		10 - 150
d5-NEtPFOSA	61.8		10 - 130
d3-NMePFOSA	57.1		10 - 130
13C2-PFDoDA	60.7		10 - 150

Lab Sample ID: LLCS 240-642719/2-A

Matrix: Water

Analysis Batch: 642732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.740		ng/L		109	44 - 157
Perfluoropentanoic acid (PFPeA)	4.00	4.261		ng/L		107	57 - 148
Perfluorohexanoic acid (PFHxA)	2.00	2.797		ng/L		140	62 - 149
Perfluoroheptanoic acid (PFHpA)	2.00	2.246		ng/L		112	56 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.381		ng/L		119	57 - 161
Perfluorononanoic acid (PFNA)	2.00	2.353		ng/L		118	53 - 157
Perfluorodecanoic acid (PFDA)	2.00	1.973	J	ng/L		99	43 - 158

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-642719/2-A

Matrix: Water

Analysis Batch: 642732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.00	2.118		ng/L		106	50 - 155
Perfluorododecanoic acid (PFDoA)	2.00	2.148		ng/L		107	60 - 141
Perfluorotridecanoic acid (PFTrDA)	2.00	2.601		ng/L		130	52 - 140
Perfluorotetradecanoic acid (PFTeDA)	2.00	2.072		ng/L		104	52 - 156
Perfluorobutanesulfonic acid (PFBS)	1.78	2.137		ng/L		120	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.914	J	ng/L		102	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.857	J	ng/L		102	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.428		ng/L		127	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	2.639		ng/L		142	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	2.300		ng/L		120	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.389	J	ng/L		72	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	8.435		ng/L		112	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.133	J	ng/L		94	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.960	J	ng/L		104	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	2.145		ng/L		107	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.470		ng/L		124	54 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	2.129		ng/L		106	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.259		ng/L		113	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.326		ng/L		116	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.40		ng/L		102	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	20.02		ng/L		100	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	9.112		ng/L		114	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.943	J	ng/L		105	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.146		ng/L		104	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.108		ng/L		103	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	7.47	7.152	J	ng/L		96	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	7.55	6.549	J	ng/L		87	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.57	3.957	J	ng/L		111	56 - 144

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-642719/2-A

Matrix: Water

Analysis Batch: 642732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	8.917	J	ng/L		89	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	52.68		ng/L		105	39 - 156
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	50.23		ng/L		100	36 - 149
Perfluorodecanesulfonic acid (PFDS)	1.93	2.389		ng/L		124	50 - 144
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.770	J	ng/L		94	48 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	86.9		10 - 130
13C5 PFPeA	90.5		40 - 150
13C5 PFHxA	76.0		40 - 150
13C4 PFHpA	78.1		40 - 150
13C8 PFOA	87.9		30 - 140
13C9 PFNA	95.9		30 - 140
13C6 PFDA	78.6		20 - 140
13C7 PFUnA	82.3		20 - 140
13C2 PFTeDA	56.1		10 - 130
13C3 PFBS	88.0		25 - 150
13C3 PFHxS	96.3		25 - 150
13C8 PFOS	78.9		20 - 140
13C8 FOSA	77.3		10 - 130
d3-NMeFOSAA	81.3		10 - 200
d5-NEtFOSAA	101		10 - 200
M2-4:2 FTS	103		25 - 200
M2-6:2 FTS	109		25 - 200
M2-8:2 FTS	100		25 - 200
13C3 HFPO-DA	90.7		25 - 160
d7-N-MeFOSE-M	67.8		10 - 150
d9-N-EtFOSE-M	76.6		10 - 150
d5-NEtPFOSA	68.7		10 - 130
d3-NMePFOSA	60.2		10 - 130
13C2-PFDoDA	63.4		10 - 150

Lab Sample ID: 460-319159-2 MS

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	9.72		73.1	79.87		ng/L		96	58 - 148
Perfluoropentanoic acid (PFPeA)	8.80		36.5	44.50		ng/L		98	54 - 152
Perfluorohexanoic acid (PFHxA)	9.32		18.3	34.03		ng/L		135	55 - 152
Perfluoroheptanoic acid (PFHpA)	6.02		18.3	26.32		ng/L		111	54 - 154
Perfluorooctanoic acid (PFOA)	31.4		18.3	51.37		ng/L		109	52 - 161
Perfluorononanoic acid (PFNA)	0.89	J	18.3	20.77		ng/L		109	59 - 149
Perfluorodecanoic acid (PFDA)	1.58	U	18.3	19.93		ng/L		109	52 - 147

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319159-2 MS

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	1.58	U	18.3	20.10		ng/L		110	48 - 159
Perfluorododecanoic acid (PFDoA)	1.58	U	18.3	19.52		ng/L		107	64 - 142
Perfluorotridecanoic acid (PFTrDA)	1.58	U	18.3	25.27		ng/L		138	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	1.58	U	18.3	18.30		ng/L		100	47 - 161
Perfluorobutanesulfonic acid (PFBS)	2.47		16.2	23.02		ng/L		127	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	17.2	16.69		ng/L		94	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	1.28	J	16.7	17.09		ng/L		95	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	1.58	U	17.4	21.88		ng/L		126	55 - 152
Perfluorooctanesulfonic acid (PFOS)	6.05		17.0	26.75		ng/L		122	58 - 149
Perfluorononanesulfonic acid (PFNS)	1.58	U	17.6	21.59		ng/L		123	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	1.58	U	17.7	15.01		ng/L		85	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.32	U	68.5	66.11		ng/L		96	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.32	U	69.5	68.31		ng/L		98	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.32	U	70.1	73.54		ng/L		105	63 - 152
Perfluorooctanesulfonamide (PFOSA)	1.58	U	18.3	20.00		ng/L		109	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.58	U	18.3	23.34		ng/L		128	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.58	U	18.3	19.49		ng/L		107	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.58	U	18.3	20.05		ng/L		110	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.58	U	18.3	21.14		ng/L		116	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.8	U	183	181.6		ng/L		99	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.8	U	183	196.6		ng/L		108	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.32	U	73.1	82.03		ng/L		112	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.32	U	69.1	72.50		ng/L		105	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.16	U	36.5	37.73		ng/L		103	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.16	U	36.5	35.71		ng/L		98	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.32	U	68.2	72.32		ng/L		106	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.32	U	69.0	66.03		ng/L		96	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.16	U	32.6	32.70		ng/L		100	56 - 151

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319159-2 MS

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.90	U	91.3	103.3		ng/L		113	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.5	U	457	462.8		ng/L		101	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.5	U	457	448.7		ng/L		98	50 - 138
Perfluorodecanesulfonic acid (PFDS)	1.58	U	17.6	22.30		ng/L		127	51 - 147
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.16	U	36.5	27.20		ng/L		74	51 - 145

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	66.3		10 - 130
13C5 PFPeA	54.0		35 - 150
13C5 PFHxA	57.3		55 - 150
13C4 PFHpA	56.0		55 - 150
13C8 PFOA	60.0		60 - 140
13C9 PFNA	66.7		55 - 140
13C6 PFDA	55.4		50 - 140
13C7 PFUnA	56.8		30 - 140
13C2 PFTeDA	40.7		10 - 130
13C3 PFBS	67.3		55 - 150
13C3 PFHxS	73.5		55 - 150
13C8 PFOS	56.5		45 - 140
13C8 FOSA	53.0		30 - 130
d3-NMeFOSAA	65.9		45 - 200
d5-NEtFOSAA	65.8		10 - 200
M2-4:2 FTS	156		60 - 200
M2-6:2 FTS	89.6		60 - 200
M2-8:2 FTS	74.4		50 - 200
13C3 HFPO-DA	57.0		25 - 160
d7-N-MeFOSE-M	47.0		10 - 150
d9-N-EtFOSE-M	47.9		10 - 150
d5-NEtPFOSA	51.8		10 - 130
d3-NMePFOSA	45.7		15 - 130
13C2-PFDoDA	45.8		10 - 150

Lab Sample ID: 460-319159-2 MSD

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	9.72		75.9	82.47		ng/L		96	58 - 148	3	30
Perfluoropentanoic acid (PFPeA)	8.80		37.9	47.19		ng/L		101	54 - 152	6	30
Perfluorohexanoic acid (PFHxA)	9.32		19.0	31.88		ng/L		119	55 - 152	7	30
Perfluoroheptanoic acid (PFHpA)	6.02		19.0	27.08		ng/L		111	54 - 154	3	30
Perfluorooctanoic acid (PFOA)	31.4		19.0	49.15		ng/L		94	52 - 161	4	30
Perfluorononanoic acid (PFNA)	0.89	J	19.0	20.45		ng/L		103	59 - 149	2	30
Perfluorodecanoic acid (PFDA)	1.58	U	19.0	19.64		ng/L		104	52 - 147	1	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319159-2 MSD

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	1.58	U	19.0	19.42		ng/L		102	48 - 159	3	30
Perfluorododecanoic acid (PFDoA)	1.58	U	19.0	19.11		ng/L		101	64 - 142	2	30
Perfluorotridecanoic acid (PFTrDA)	1.58	U	19.0	23.93		ng/L		126	49 - 148	5	30
Perfluorotetradecanoic acid (PFTeDA)	1.58	U	19.0	17.37		ng/L		92	47 - 161	5	30
Perfluorobutanesulfonic acid (PFBS)	2.47		16.8	23.33		ng/L		124	62 - 144	1	30
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	17.8	17.91		ng/L		98	59 - 151	7	30
Perfluorohexanesulfonic acid (PFHxS)	1.28	J	17.3	17.69		ng/L		95	57 - 146	3	30
Perfluoroheptanesulfonic acid (PFHpS)	1.58	U	18.1	21.33		ng/L		118	55 - 152	3	30
Perfluorooctanesulfonic acid (PFOS)	6.05		17.6	25.20		ng/L		109	58 - 149	6	30
Perfluorononanesulfonic acid (PFNS)	1.58	U	18.3	20.37		ng/L		112	52 - 148	6	30
Perfluorododecanesulfonic acid (PFDoS)	1.58	U	18.4	14.86		ng/L		81	36 - 145	1	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.32	U	71.2	76.64		ng/L		108	67 - 146	15	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.32	U	72.3	83.32		ng/L		115	61 - 151	20	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.32	U	72.9	77.51		ng/L		106	63 - 152	5	30
Perfluorooctanesulfonamide (PFOSA)	1.58	U	19.0	19.38		ng/L		102	61 - 148	3	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.58	U	19.0	22.70		ng/L		120	63 - 145	3	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.58	U	19.0	19.45		ng/L		102	65 - 139	0	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.58	U	19.0	19.67		ng/L		104	58 - 144	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.58	U	19.0	20.70		ng/L		109	59 - 146	2	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.8	U	190	175.9		ng/L		93	71 - 136	3	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.8	U	190	188.7		ng/L		99	69 - 137	4	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.32	U	75.9	82.17		ng/L		108	63 - 144	0	30
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	6.32	U	71.8	73.31		ng/L		102	68 - 146	1	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.16	U	37.9	40.35		ng/L		106	55 - 148	7	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.16	U	37.9	36.47		ng/L		96	48 - 161	2	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	6.32	U	70.9	70.36		ng/L		99	56 - 156	3	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	6.32	U	71.6	62.13		ng/L		87	46 - 156	6	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.16	U	33.8	33.55		ng/L		99	56 - 151	3	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319159-2 MSD

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-01_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.90	U	94.9	84.62		ng/L		89	62 - 129	20	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.5	U	474	470.7		ng/L		99	63 - 134	2	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.5	U	474	464.0		ng/L		98	50 - 138	3	30
Perfluorodecanesulfonic acid (PFDS)	1.58	U	18.3	21.05		ng/L		115	51 - 147	6	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.16	U	37.9	28.53		ng/L		75	51 - 145	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	MSD Limits
13C4 PFBA	79.4		10 - 130
13C5 PFPeA	67.7		35 - 150
13C5 PFHxA	71.0		55 - 150
13C4 PFHpA	70.1		55 - 150
13C8 PFOA	85.0		60 - 140
13C9 PFNA	87.7		55 - 140
13C6 PFDA	72.6		50 - 140
13C7 PFUnA	74.8		30 - 140
13C2 PFTeDA	56.3		10 - 130
13C3 PFBS	82.0		55 - 150
13C3 PFHxS	89.0		55 - 150
13C8 PFOS	74.4		45 - 140
13C8 FOSA	71.4		30 - 130
d3-NMeFOSAA	84.9		45 - 200
d5-NEtFOSAA	82.6		10 - 200
M2-4:2 FTS	184		60 - 200
M2-6:2 FTS	121		60 - 200
M2-8:2 FTS	93.7		50 - 200
13C3 HFPO-DA	73.2		25 - 160
d7-N-MeFOSE-M	65.2		10 - 150
d9-N-EtFOSE-M	62.6		10 - 150
d5-NEtPFOSA	68.4		10 - 130
d3-NMePFOSA	59.0		15 - 130
13C2-PFDoDA	60.5		10 - 150

Lab Sample ID: 460-319159-1 DU

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-02_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	22.3		23.25		ng/L		4	30
Perfluoropentanoic acid (PFPeA)	37.4		37.49		ng/L		0.2	30
Perfluorohexanoic acid (PFHxA)	42.0		45.30		ng/L		8	30
Perfluoroheptanoic acid (PFHpA)	13.4		12.91		ng/L		4	30
Perfluorooctanoic acid (PFOA)	45.5		46.47		ng/L		2	30
Perfluorononanoic acid (PFNA)	2.43		2.368		ng/L		3	30
Perfluorodecanoic acid (PFDA)	0.89	J	0.750	J	ng/L		17	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319159-1 DU

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-02_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Perfluoroundecanoic acid (PFUnA)	1.48	U	1.55	U	ng/L		NC	30
Perfluorododecanoic acid (PFDoA)	1.48	U	1.55	U	ng/L		NC	30
Perfluorotridecanoic acid (PFTrDA)	1.48	U	1.55	U	ng/L		NC	30
Perfluorotetradecanoic acid (PFTeDA)	1.48	U	1.55	U	ng/L		NC	30
Perfluorobutanesulfonic acid (PFBS)	13.2		12.97		ng/L		2	30
Perfluoropentanesulfonic acid (PFPeS)	0.70	J	0.696	J	ng/L		0.07	30
Perfluorohexanesulfonic acid (PFHxS)	4.06		4.098		ng/L		0.8	30
Perfluoroheptanesulfonic acid (PFHpS)	1.48	U	1.55	U	ng/L		NC	30
Perfluorooctanesulfonic acid (PFOS)	12.7		12.57		ng/L		1	30
Perfluorononanesulfonic acid (PFNS)	1.48	U	1.55	U	ng/L		NC	30
Perfluorododecanesulfonic acid (PFDoS)	1.48	U	1.55	U	ng/L		NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.92	U	6.19	U	ng/L		NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.92	U	6.19	U	ng/L		NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.92	U	6.19	U	ng/L		NC	30
Perfluorooctanesulfonamide (PFOSA)	1.48	U	1.55	U	ng/L		NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.48	U	1.55	U	ng/L		NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.48	U	1.55	U	ng/L		NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.48	U	1.55	U	ng/L		NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.48	U	1.55	U	ng/L		NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	14.8	U	15.5	U	ng/L		NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	14.8	U	15.5	U	ng/L		NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	5.92	U	6.19	U	ng/L		NC	30
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	5.92	U	6.19	U	ng/L		NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.96	U	3.09	U	ng/L		NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.96	U	3.09	U	ng/L		NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.92	U	6.19	U	ng/L		NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.92	U	6.19	U	ng/L		NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.96	U	3.09	U	ng/L		NC	30

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319159-1 DU

Matrix: Water

Analysis Batch: 642732

Client Sample ID: MW-02_20250122

Prep Type: Total/NA

Prep Batch: 642719

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.40	U	7.74	U	ng/L		NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	37.0	U	38.7	U	ng/L		NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	37.0	U	38.7	U	ng/L		NC	30
Perfluorodecanesulfonic acid (PFDS)	1.48	U	1.55	U	ng/L		NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.96	U	3.09	U	ng/L		NC	30

Isotope Dilution	%Recovery	DU Qualifier	Limits
13C4 PFBA	68.7		10 - 130
13C5 PFPeA	54.8		35 - 150
13C5 PFHxA	59.0		55 - 150
13C4 PFHpA	56.4		55 - 150
13C8 PFOA	65.6		60 - 140
13C9 PFNA	68.2		55 - 140
13C6 PFDA	56.9		50 - 140
13C7 PFUnA	63.5		30 - 140
13C2 PFTeDA	55.4		10 - 130
13C3 PFBS	68.9		55 - 150
13C3 PFHxS	74.8		55 - 150
13C8 PFOS	60.4		45 - 140
13C8 FOSA	58.0		30 - 130
d3-NMeFOSAA	68.4		45 - 200
d5-NEtFOSAA	94.4		10 - 200
M2-4:2 FTS	142		60 - 200
M2-6:2 FTS	93.0		60 - 200
M2-8:2 FTS	82.5		50 - 200
13C3 HFPO-DA	56.6		25 - 160
d7-N-MeFOSE-M	53.8		10 - 150
d9-N-EtFOSE-M	54.4		10 - 150
d5-NEtPFOSA	57.2		10 - 130
d3-NMePFOSA	50.5		15 - 130
13C2-PFDoDA	54.2		10 - 150

Lab Sample ID: MB 240-643167/1-A

Matrix: Water

Analysis Batch: 643184

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 643167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.00	U	8.00	2.13	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluoropentanoic acid (PFPeA)	4.00	U	4.00	1.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc

Job ID: 460-319159-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-643167/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 643184

Prep Batch: 643167

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorotridecanoic acid (PFTTrDA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorotetradecanoic acid (PFTeDA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluoropentanesulfonic acid (PFPeS)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.52	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorononanesulfonic acid (PFNS)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorododecanesulfonic acid (PFDoS)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.00	U	8.00	2.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	8.00	U	8.00	2.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	8.00	U	8.00	2.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorooctanesulfonamide (PFOSA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.62	ng/L		01/31/25 08:55	01/31/25 14:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.52	ng/L		01/31/25 08:55	01/31/25 14:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	U	20.0	5.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	U	20.0	5.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	U	8.00	2.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.00	U	8.00	2.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	U	4.00	1.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	U	4.00	1.22	ng/L		01/31/25 08:55	01/31/25 14:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.00	U	8.00	2.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.00	U	4.00	1.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	U	10.0	2.50	ng/L		01/31/25 08:55	01/31/25 14:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	U	50.0	12.5	ng/L		01/31/25 08:55	01/31/25 14:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	U	50.0	14.9	ng/L		01/31/25 08:55	01/31/25 14:00	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.50	ng/L		01/31/25 08:55	01/31/25 14:00	1

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-643167/1-A

Matrix: Water

Analysis Batch: 643184

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 643167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	U	4.00	1.00	ng/L		01/31/25 08:55	01/31/25 14:00	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	78.8		10 - 130				01/31/25 08:55	01/31/25 14:00	1
13C5 PFPeA	85.0		35 - 150				01/31/25 08:55	01/31/25 14:00	1
13C5 PFHxA	74.3		55 - 150				01/31/25 08:55	01/31/25 14:00	1
13C4 PFHpA	74.3		55 - 150				01/31/25 08:55	01/31/25 14:00	1
13C8 PFOA	75.7		60 - 140				01/31/25 08:55	01/31/25 14:00	1
13C9 PFNA	80.9		55 - 140				01/31/25 08:55	01/31/25 14:00	1
13C6 PFDA	71.4		50 - 140				01/31/25 08:55	01/31/25 14:00	1
13C7 PFUnA	69.6		30 - 140				01/31/25 08:55	01/31/25 14:00	1
13C2 PFTeDA	75.6		10 - 130				01/31/25 08:55	01/31/25 14:00	1
13C3 PFBS	77.7		55 - 150				01/31/25 08:55	01/31/25 14:00	1
13C3 PFHxS	79.4		55 - 150				01/31/25 08:55	01/31/25 14:00	1
13C8 PFOS	70.9		45 - 140				01/31/25 08:55	01/31/25 14:00	1
13C8 FOSA	72.3		30 - 130				01/31/25 08:55	01/31/25 14:00	1
d3-NMeFOSAA	71.2		45 - 200				01/31/25 08:55	01/31/25 14:00	1
d5-NEtFOSAA	88.8		10 - 200				01/31/25 08:55	01/31/25 14:00	1
M2-4:2 FTS	78.3		60 - 200				01/31/25 08:55	01/31/25 14:00	1
M2-6:2 FTS	77.2		60 - 200				01/31/25 08:55	01/31/25 14:00	1
M2-8:2 FTS	76.0		50 - 200				01/31/25 08:55	01/31/25 14:00	1
13C3 HFPO-DA	78.3		25 - 160				01/31/25 08:55	01/31/25 14:00	1
d7-N-MeFOSE-M	54.2		10 - 150				01/31/25 08:55	01/31/25 14:00	1
d9-N-EtFOSE-M	53.6		10 - 150				01/31/25 08:55	01/31/25 14:00	1
d5-NEtPFOSA	63.6		10 - 130				01/31/25 08:55	01/31/25 14:00	1
d3-NMePFOSA	58.1		15 - 130				01/31/25 08:55	01/31/25 14:00	1
13C2-PFDoDA	69.7		10 - 150				01/31/25 08:55	01/31/25 14:00	1

Lab Sample ID: LCS 240-643167/3-A

Matrix: Water

Analysis Batch: 643184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 643167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	100	100.3		ng/L		100	58 - 148
Perfluoropentanoic acid (PFPeA)	50.0	47.99		ng/L		96	54 - 152
Perfluorohexanoic acid (PFHxA)	25.0	24.49		ng/L		98	55 - 152
Perfluoroheptanoic acid (PFHpA)	25.0	27.42		ng/L		110	54 - 154
Perfluorooctanoic acid (PFOA)	25.0	24.56		ng/L		98	52 - 161
Perfluorononanoic acid (PFNA)	25.0	24.21		ng/L		97	59 - 149
Perfluorodecanoic acid (PFDA)	25.0	26.68		ng/L		107	52 - 147
Perfluoroundecanoic acid (PFUnA)	25.0	25.99		ng/L		104	48 - 159
Perfluorododecanoic acid (PFDoA)	25.0	26.49		ng/L		106	64 - 142
Perfluorotridecanoic acid (PFTriDA)	25.0	24.80		ng/L		99	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	25.0	24.28		ng/L		97	47 - 161

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-643167/3-A

Matrix: Water

Analysis Batch: 643184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 643167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	22.2	22.04		ng/L		99	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	22.91		ng/L		98	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	21.59		ng/L		95	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.9	24.05		ng/L		101	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.3	23.21		ng/L		100	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.1	25.74		ng/L		107	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.3	23.51		ng/L		97	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.8	94.30		ng/L		101	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	95.2	94.41		ng/L		99	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	96.0	93.48		ng/L		97	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	25.82		ng/L		103	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	27.10		ng/L		108	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	24.14		ng/L		97	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	26.02		ng/L		104	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	26.87		ng/L		107	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	248.3		ng/L		99	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	247.9		ng/L		99	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	104.8		ng/L		105	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.6	99.85		ng/L		106	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	47.08		ng/L		94	55 - 148
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	54.94		ng/L		110	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	93.4	97.28		ng/L		104	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	94.4	96.72		ng/L		102	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	44.6	47.35		ng/L		106	56 - 151
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	116.5		ng/L		93	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	638.5		ng/L		102	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	559.7		ng/L		90	50 - 138
Perfluorodecanesulfonic acid (PFDS)	24.1	25.18		ng/L		104	51 - 147

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-643167/3-A

Matrix: Water

Analysis Batch: 643184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 643167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-3-methoxypropanoic acid (PFMPA)	50.0	47.78		ng/L		96	51 - 145
		LCS	LCS				
Isotope Dilution	%Recovery	Qualifier	Limits				
13C4 PFBA	74.8		10 - 130				
13C5 PFPeA	83.3		40 - 150				
13C5 PFHxA	76.2		40 - 150				
13C4 PFHpA	73.2		40 - 150				
13C8 PFOA	76.4		30 - 140				
13C9 PFNA	79.9		30 - 140				
13C6 PFDA	73.4		20 - 140				
13C7 PFUnA	72.0		20 - 140				
13C2 PFTeDA	72.7		10 - 130				
13C3 PFBS	76.8		25 - 150				
13C3 PFHxS	80.5		25 - 150				
13C8 PFOS	74.0		20 - 140				
13C8 FOSA	71.1		10 - 130				
d3-NMeFOSAA	68.6		10 - 200				
d5-NEtFOSAA	91.4		10 - 200				
M2-4:2 FTS	81.5		25 - 200				
M2-6:2 FTS	78.4		25 - 200				
M2-8:2 FTS	78.1		25 - 200				
13C3 HFPO-DA	76.3		25 - 160				
d7-N-MeFOSE-M	55.3		10 - 150				
d9-N-EtFOSE-M	51.1		10 - 150				
d5-NEtPFOSA	61.2		10 - 130				
d3-NMePFOSA	57.9		10 - 130				
13C2-PFDoDA	66.5		10 - 150				

Lab Sample ID: LLCS 240-643167/2-A

Matrix: Water

Analysis Batch: 643184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 643167

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.444		ng/L		106	44 - 157
Perfluoropentanoic acid (PFPeA)	4.00	3.987	J	ng/L		100	57 - 148
Perfluorohexanoic acid (PFHxA)	2.00	2.214		ng/L		111	62 - 149
Perfluoroheptanoic acid (PFHpA)	2.00	2.276		ng/L		114	56 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.310		ng/L		116	57 - 161
Perfluorononanoic acid (PFNA)	2.00	2.003		ng/L		100	53 - 157
Perfluorodecanoic acid (PFDA)	2.00	2.088		ng/L		104	43 - 158
Perfluoroundecanoic acid (PFUnA)	2.00	2.053		ng/L		103	50 - 155
Perfluorododecanoic acid (PFDoA)	2.00	2.159		ng/L		108	60 - 141
Perfluorotridecanoic acid (PFTriDA)	2.00	2.065		ng/L		103	52 - 140
Perfluorotetradecanoic acid (PFTeDA)	2.00	1.913	J	ng/L		96	52 - 156

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-643167/2-A

Matrix: Water

Analysis Batch: 643184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 643167

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	1.78	1.772	J	ng/L		100	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.950	J	ng/L		104	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.947	J	ng/L		107	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.91	2.045		ng/L		107	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	2.278		ng/L		122	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	2.134		ng/L		111	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	2.001		ng/L		103	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	8.304		ng/L		111	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	9.643		ng/L		127	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	8.374		ng/L		109	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	2.129		ng/L		106	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.265		ng/L		113	54 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	1.922	J	ng/L		96	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.035		ng/L		102	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.102		ng/L		105	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	22.31		ng/L		112	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	21.10		ng/L		105	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	9.301		ng/L		116	58 - 154
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	7.57	7.929	J	ng/L		105	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.676	J	ng/L		92	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.086		ng/L		102	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	7.47	7.209	J	ng/L		96	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	7.55	7.374	J	ng/L		98	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.57	3.859	J	ng/L		108	56 - 144
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	9.943	J	ng/L		99	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	52.50		ng/L		105	39 - 156
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	45.68	J	ng/L		91	36 - 149
Perfluorodecanesulfonic acid (PFDS)	1.93	2.037		ng/L		106	50 - 144

Eurofins Edison

QC Sample Results

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-643167/2-A

Matrix: Water

Analysis Batch: 643184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 643167

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.001		ng/L		100	48 - 150
	LLCS	LLCS					
Isotope Dilution	%Recovery	Qualifier	Limits				
13C4 PFBA	68.5		10 - 130				
13C5 PFPeA	77.4		40 - 150				
13C5 PFHxA	68.3		40 - 150				
13C4 PFHpA	67.6		40 - 150				
13C8 PFOA	69.4		30 - 140				
13C9 PFNA	72.0		30 - 140				
13C6 PFDA	64.2		20 - 140				
13C7 PFUnA	61.2		20 - 140				
13C2 PFTeDA	66.4		10 - 130				
13C3 PFBS	71.3		25 - 150				
13C3 PFHxS	72.4		25 - 150				
13C8 PFOS	65.9		20 - 140				
13C8 FOSA	64.5		10 - 130				
d3-NMeFOSAA	64.0		10 - 200				
d5-NEtFOSAA	84.2		10 - 200				
M2-4:2 FTS	72.9		25 - 200				
M2-6:2 FTS	70.5		25 - 200				
M2-8:2 FTS	67.5		25 - 200				
13C3 HFPO-DA	72.4		25 - 160				
d7-N-MeFOSE-M	52.6		10 - 150				
d9-N-EtFOSE-M	47.5		10 - 150				
d5-NEtPFOSA	51.9		10 - 130				
d3-NMePFOSA	50.2		10 - 130				
13C2-PFDoDA	62.1		10 - 150				

QC Association Summary

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

LCMS

Prep Batch: 642719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319159-1	MW-02_20250122	Total/NA	Water	1633	
460-319159-2	MW-01_20250122	Total/NA	Water	1633	
460-319159-3	MW-01X_20250122	Total/NA	Water	1633	
460-319159-4	FB-01_20250122	Total/NA	Water	1633	
MB 240-642719/1-A	Method Blank	Total/NA	Water	1633	
LCS 240-642719/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 240-642719/2-A	Lab Control Sample	Total/NA	Water	1633	
460-319159-2 MS	MW-01_20250122	Total/NA	Water	1633	
460-319159-2 MSD	MW-01_20250122	Total/NA	Water	1633	
460-319159-1 DU	MW-02_20250122	Total/NA	Water	1633	

Analysis Batch: 642732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319159-1	MW-02_20250122	Total/NA	Water	1633	642719
460-319159-2	MW-01_20250122	Total/NA	Water	1633	642719
460-319159-3	MW-01X_20250122	Total/NA	Water	1633	642719
460-319159-4	FB-01_20250122	Total/NA	Water	1633	642719
MB 240-642719/1-A	Method Blank	Total/NA	Water	1633	642719
LCS 240-642719/3-A	Lab Control Sample	Total/NA	Water	1633	642719
LLCS 240-642719/2-A	Lab Control Sample	Total/NA	Water	1633	642719
460-319159-2 MS	MW-01_20250122	Total/NA	Water	1633	642719
460-319159-2 MSD	MW-01_20250122	Total/NA	Water	1633	642719
460-319159-1 DU	MW-02_20250122	Total/NA	Water	1633	642719

Prep Batch: 643167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319401-1	MW-03_20250127	Total/NA	Water	1633	
MB 240-643167/1-A	Method Blank	Total/NA	Water	1633	
LCS 240-643167/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 240-643167/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 643184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319401-1	MW-03_20250127	Total/NA	Water	1633	643167
MB 240-643167/1-A	Method Blank	Total/NA	Water	1633	643167
LCS 240-643167/3-A	Lab Control Sample	Total/NA	Water	1633	643167
LLCS 240-643167/2-A	Lab Control Sample	Total/NA	Water	1633	643167

Lab Chronicle

Client: AKRF Inc
Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Client Sample ID: MW-02_20250122

Lab Sample ID: 460-319159-1

Date Collected: 01/22/25 10:33

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			642719	JVB4	EET CLE	01/27/25 13:46
Total/NA	Analysis	1633		1	642732	LD	EET CLE	01/28/25 04:51

Client Sample ID: MW-01_20250122

Lab Sample ID: 460-319159-2

Date Collected: 01/22/25 13:35

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			642719	JVB4	EET CLE	01/27/25 13:46
Total/NA	Analysis	1633		1	642732	LD	EET CLE	01/28/25 05:08

Client Sample ID: MW-01X_20250122

Lab Sample ID: 460-319159-3

Date Collected: 01/22/25 12:00

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			642719	JVB4	EET CLE	01/27/25 13:46
Total/NA	Analysis	1633		1	642732	LD	EET CLE	01/28/25 05:58

Client Sample ID: FB-01_20250122

Lab Sample ID: 460-319159-4

Date Collected: 01/22/25 12:05

Matrix: Water

Date Received: 01/22/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			642719	JVB4	EET CLE	01/27/25 13:46
Total/NA	Analysis	1633		1	642732	LD	EET CLE	01/28/25 06:14

Client Sample ID: MW-03_20250127

Lab Sample ID: 460-319401-1

Date Collected: 01/27/25 14:30

Matrix: Water

Date Received: 01/27/25 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			643167	JVB4	EET CLE	01/31/25 08:55
Total/NA	Analysis	1633		1	643184	LD	EET CLE	01/31/25 15:23

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: AKRF Inc

Job ID: 460-319159-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: AKRF Inc

Job ID: 460-319159-1

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Method	Method Description	Protocol	Laboratory
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
1633	Solid-Phase Extraction (SPE)	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: AKRF Inc

Project/Site: Bud North - 2-21 Malt Drive, Long Island

Job ID: 460-319159-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319159-1	MW-02_20250122	Water	01/22/25 10:33	01/22/25 18:00
460-319159-2	MW-01_20250122	Water	01/22/25 13:35	01/22/25 18:00
460-319159-3	MW-01X_20250122	Water	01/22/25 12:00	01/22/25 18:00
460-319159-4	FB-01_20250122	Water	01/22/25 12:05	01/22/25 18:00
460-319401-1	MW-03_20250127	Water	01/27/25 14:30	01/27/25 18:00

6516/19159

5

07

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.5c	3.7c	Cooler #4:	5.3c	5.5c
Cooler #2:	4.2c	4.4c	Cooler #5:	5.5c	5.7c
Cooler #3:	5.7c	5.9c	Cooler #6:	7c	7c
			Cooler #7:	7c	7c
			Cooler #8:	7c	7c
			Cooler #9:	7c	7c

[illegible]

If pH adjustments are required record the information below:

Volume of Preservative used (ml):

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials:

Date: 1-22-23

Environment Testing America

no/c37e#9	2.3/25

107613

IR Gun #

6

Cooler Temperatures

	RAW		CORRECTED	
	RAW	CORRECTED	RAW	CORRECTED
Cooler #1:	2.30	2.50		
Cooler #2:		°C	°C	°C
Cooler #3:		°C	°C	°C
Cooler #4:		°C	°C	°C
Cooler #5:		°C	°C	°C
Cooler #6:		°C	°C	°C
Cooler #7:		°C		°C
Cooler #8:		°C		°C
Cooler #9:		°C		°C

[illegible]

If pH adjustments are required record the information below:

Volume of Preservative used (ml)

Expiration Date

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials. MA

EDS-WI-038, Rev 4.1
10/22/2019

3.0 (2.9

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Eurofins - Cleveland Sample Receipt Form/Narrative		Login # _____
Barberton Facility		
Client <u>Eurofins Edison</u>	Site Name _____	Cooler unpacked by <u>Martin</u>
Cooler Received on <u>1/24/25</u>	Opened on <u>1/24/25</u>	
FedEx: 1 st Grd <u>EXP</u> UPS FAS Waypoint	Client Drop Off	Eurofins Courier Other _____
Receipt After-hours Drop-off Date/Time _____		Storage Location _____
Eurofins Cooler # <u>EC</u>	Foam Box _____	Client Cooler Box Other _____
Packing material used: <u>Bubble Wrap</u> Foam Plastic Bag None Other _____		
COOLANT <u>Water</u>	Blue Ice _____	Dry Ice _____
Water _____	None _____	
1 Cooler temperature upon receipt _____	☐ See Multiple Cooler Form	
IR GUN # <u>18</u>	(CF <u>-0.1</u> °C)	Observed Cooler Temp <u>30</u> °C Corrected Cooler Temp <u>29</u> °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u> ☒ Yes ☐ No -Were the seals on the outside of the cooler(s) signed & dated? ☒ Yes ☐ No ☐ NA -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? ☒ Yes ☐ No ☐ NA -Were tamper/custody seals intact and uncompromised? ☒ Yes ☐ No ☐ NA 3 Shippers' packing slip attached to the cooler(s)? ☒ Yes ☐ No ☐ NA 4 Did custody papers accompany the sample(s)? ☒ Yes ☐ No ☐ NA 5 Were the custody papers relinquished & signed in the appropriate place? ☒ Yes ☐ No ☐ NA 6 Was/were the person(s) who collected the samples clearly identified on the COC? ☒ Yes ☐ No ☐ NA 7 Did all bottles arrive in good condition (Unbroken)? ☒ Yes ☐ No ☐ NA 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? ☒ Yes ☐ No ☐ NA 9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? ☒ Yes ☐ No ☐ NA 10 Were correct bottle(s) used for the test(s) indicated? ☒ Yes ☐ No ☐ NA 11 Sufficient quantity received to perform indicated analyses? ☒ Yes ☐ No ☐ NA 12 Are these work share samples and all listed on the COC? ☒ Yes ☐ No ☐ NA If yes, Questions 13-17 have been checked at the originating laboratory 13 Were all preserved sample(s) at the correct pH upon receipt? ☒ Yes ☐ No ☐ NA pH Strip Lot# HC448976 14 Were VOA's on the COC? ☒ Yes ☐ No ☐ NA 15 Were air bubbles >6 mm in any VOA vials? ☒ Yes ☐ No ☐ NA 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ ☒ Yes ☐ No ☐ NA 17 Was a LL Hg or Me Hg trip blank present? ☒ Yes ☐ No ☐ NA		
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____ Concerning _____		

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES		☐ additional next page	Samples processed by _____
19. SAMPLE CONDITION			
Sample(s) _____	_____ were received after the recommended holding time had expired		
Sample(s) _____	_____ were received in a broken container		
Sample(s) _____	_____ were received with bubble >6 mm in diameter (Notify PM)		
20. SAMPLE PRESERVATION			
Sample(s) _____	_____ were further preserved in the laboratory		
Time preserved. _____	Preservative(s) added/Lot number(s) _____		
VOA Sample Preservation - Date/Time VOAs Frozen _____			

Part # 159459-434 MTRV EXP 04/25



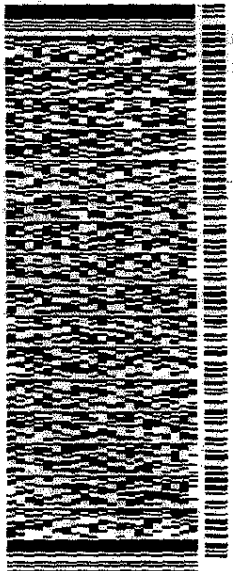
ORIGIN ID LDI4 (732) 549
KENNETH RIVERA
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817
UNITED STATES US

SHIP DATE 23JAN25
ACTWGTY 46.70 LB
CRD 0619092/CAFE3855

BILL SENDER

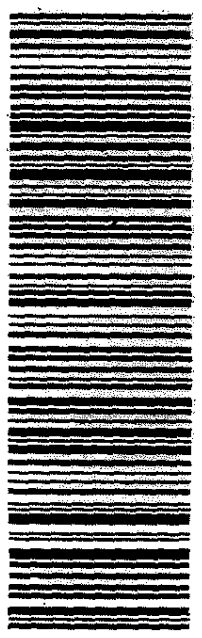
TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(330) 497-9896 REF: S460-190682
P/O: YES



TRK# 4320 1503 9293
GEO1
FRI - 24 JAN 10:30A
PRIORITY OVERNIGHT

NX CAKA
44203
OH-US CLE



[illegible]

Eurofins - Cleveland Sample Receipt Form/Narrative
Barberton Facility

Login # _____

Client Eurofins Edison

Site Name _____

Cooler unpacked by _____

Cooler Received on 11/24/25

Opened on 11/24/25

Martin

FedEx: 1st Grd Exd UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Storage Location _____

Receipt After-hours Drop-off Date/Time _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Water Blue Ice Dry Ice Water None ☐ See Multiple Cooler Form

1 Cooler temperature upon receipt IR GUN # 18 (CF -01 °C) Observed Cooler Temp 30 °C Corrected Cooler Temp 29 °C

- 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1
 - Were the seals on the outside of the cooler(s) signed & dated? Yes ☒ No ☐ NA
 - Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes ☒ No ☐ NA
 - Were tamper/custody seals intact and uncompromised? Yes ☒ No ☐ NA
- 3 Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐ NA
- 4 Did custody papers accompany the sample(s)? Yes ☒ No ☐ NA
- 5 Were the custody papers relinquished & signed in the appropriate place? Yes ☒ No ☐ NA
- 6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes ☒ No ☐ NA
- 7 Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐ NA
- 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes ☒ No ☐ NA
- 9 For each sample, does the COC specify preservatives (Y/N), # of containers (Q/N), and sample type of grab/comp (Q/N)? Yes ☒ No ☐ NA
- 10 Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐ NA
- 11 Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐ NA
- 12 Are these work share samples and all listed on the COC? Yes ☒ No ☐ NA

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

- 13 Were all preserved sample(s) at the correct pH upon receipt? Yes ☐ No ☒ NA pH Strip Lot# HC448976
- 14 Were VOAs on the COC? Yes ☐ No ☒ NA
- 15 Were air bubbles >6 mm in any VOA vials? ☒ Larger than this. Yes ☐ No ☒ NA
- 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes ☐ No ☒ NA
- 17 Was a LL Hg or Me Hg trip blank present? Yes ☐ No ☒ NA

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page Samples processed by _____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

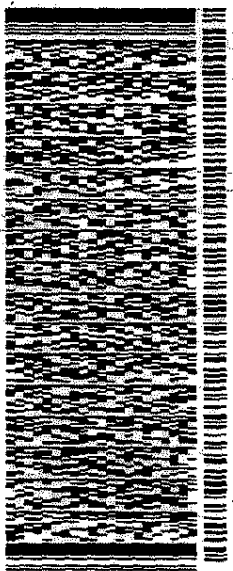
Part # 159469-434 MTW EXP 04/25

44203-3542-80
BARBERTON, OH
44203-3542-80
PRIORITY OVERNIGHT
44203-3542-80
44203-3542-80

ORIGIN ID LDJ6 (732) 549
KENNETH RIVERA
EUROFINS EDISON
727 NEW DUNKART ROAD
EDISON, NJ 08817
UNITED STATES US
BILL SENDER

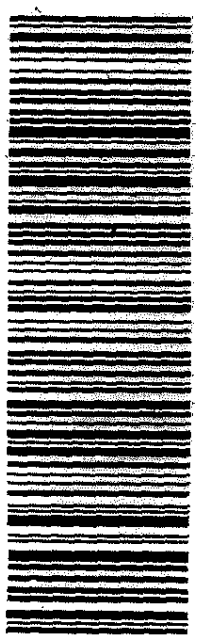
TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(330) 497-9396 REF: S460-190692
Pgt: YEB



TRK/ 4320 1503 9293
0201
FRI - 24 JAN 10:30A
PRIORITY OVERNIGHT

NX CAKA
44203
OH-US CLE



Chain of Custody Record

[illegible]

Eurofins - Cleveland Sample Receipt Form/Narrative		Login #	
Barberton Facility			
Client <u>Eurofins</u>	Site Name	Cooler unpacked by <u>BS</u>	
Cooler Received on <u>1/30/25</u>	Opened on <u>1/30/25</u>		
FedEx: 1 st Grd Exp <u>UPS</u> FAS Waypoint	Client Drop Off	Eurofins Courier	Other
Receipt After-hours Drop-off Date/Time		Storage Location	
Eurofins Cooler # <u>15</u>	Foam Box	Client Cooler	Box
Packing material used: Bubble Wrap		Foam	Plastic Bag
COOLANT: Wet Ice		Blue Ice	Dry Ice
		Water	None
1 Cooler temperature upon receipt	☐ See Multiple Cooler Form		
IR GUN # <u>18</u>	(CF <u>-0.1</u> °C)	Observed Cooler Temp <u>2.4</u> °C	Corrected Cooler Temp <u>2.3</u> °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u>	Yes <u>Yes</u> No <u>No</u>		
-Were the seals on the outside of the cooler(s) signed & dated?	Yes <u>Yes</u> No <u>No</u>		
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes <u>Yes</u> No <u>No</u>		
-Were tamper/custody seals intact and uncompromised?	Yes <u>Yes</u> No <u>No</u>		
3 Shippers' packing slip attached to the cooler(s)?	Yes <u>Yes</u> No <u>No</u>		
4. Did custody papers accompany the sample(s)?	Yes <u>Yes</u> No <u>No</u>		
5 Were the custody papers relinquished & signed in the appropriate place?	Yes <u>Yes</u> No <u>No</u>		
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes <u>Yes</u> No <u>No</u>		
7 Did all bottles arrive in good condition (Unbroken)?	Yes <u>Yes</u> No <u>No</u>		
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes <u>Yes</u> No <u>No</u>		
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	Yes <u>Yes</u> No <u>No</u>		
10 Were correct bottle(s) used for the test(s) indicated?	Yes <u>Yes</u> No <u>No</u>		
11 Sufficient quantity received to perform indicated analyses?	Yes <u>Yes</u> No <u>No</u>		
12 Are these work share samples and all listed on the COC?	Yes <u>Yes</u> No <u>No</u>		
If yes, Questions 13-17 have been checked at the originating laboratory			
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes <u>Yes</u> No <u>No</u>	pH Strip Lot#	HC448976
14 Were VOA's on the COC?	Yes <u>Yes</u> No <u>No</u>		
15 Were air bubbles >6 mm in any VOA vials? <u>Larger than this</u>	Yes <u>Yes</u> No <u>No</u>		
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes <u>Yes</u> No <u>No</u>		
17 Was a LL Hg or Me Hg trip blank present?	Yes <u>Yes</u> No <u>No</u>		
Contacted PM <u> </u> Date <u> </u> by <u> </u> via Verbal Voice Mail Other			
Concerning <u> </u>			
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page		Samples processed by	
19. SAMPLE CONDITION			
Sample(s) <u> </u>	were received after the recommended holding time had expired		
Sample(s) <u> </u>	were received in a broken container		
Sample(s) <u> </u>	were received with bubble >6 mm in diameter (Notify PM)		
20. SAMPLE PRESERVATION			
Sample(s) <u> </u>	were further preserved in the laboratory		
Time preserved <u> </u>	Preservative(s) added/Lot number(s): <u> </u>		
VOA Sample Preservation - Date/Time VOAs Frozen <u> </u>			

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

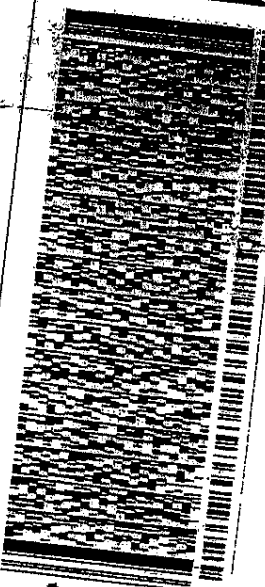
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

SHIP DATE 28 JANCS
 ACTIME 40 45 LB
 CRD 0619092/CRF3855
 BILL SENDER

SHIP TO: BUREN AVENUE
 ENVIRONMENTAL TESTING NORTH
 BARBERTON OH 44203
 085
 004+2003004320180384+88

OF BUN ID:DLA (732) 549-3900
 LINETH RIVERA
 EUROFINS ENVIRONMENTAL TESTING NORTH
 177 NEW PARKWAY ROAD
 BARBERTON, OH 44203
 UNITED STATES OF AMERICA

SHIPPING/RECEIVING
 EUROFINS ENVIRONMENTAL TESTING NORTH
 180 S. VAN BUREN AVENUE
 BARBERTON OH 44203
 REF 8460-130846

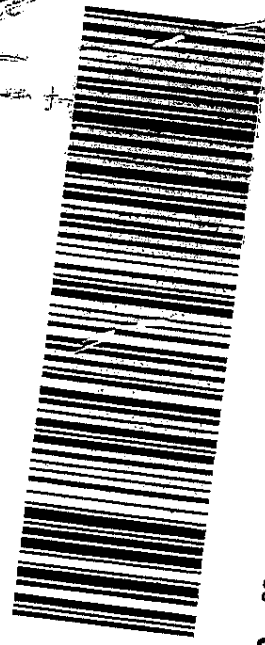


TRK 4320 1503 9499

WED - 29 JAN 10:30A
 PRIORITY OVERNIGHT

NX CAKA

44203
 BH-US CLE



Part #159463-334.MTW.ESOP.04/25

KRCA/PC17/FF2B

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-319159-1

Login Number: 319159

List Source: Eurofins Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-319159-1

Login Number: 319401

List Source: Eurofins Edison

List Number: 1

Creator: Lysy, Susan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Edison

February 20, 2025

Mr. Patrick Diggins
AKRF
440 Park Avenue South
7th Floor
New York, NY 10016

Re: Data Usability Summary Report – Eurofins Cleveland– 460-319159-1

Dear Mr. Diggins:

The evaluation of analytical data by Eurofins Cleveland for four aqueous samples and one field blank from the Bud North site, which were reported in a single data package under Job No. 460-319159-1 has been completed. The following samples were reported:

MW-02_20250122	MW-01_20250122
MW-01X_20250122	FB-01_20250122
MW-03_20250127	

Analyses were performed in accordance with USEPA Method 1633 [Per- and Polyfluoroalkyl Substances (PFAS)]. The review was performed to the extent possible, in accordance with the analytical method, “Sampling, Analysis, and Assessment of Per-And Polyfluoroalkyl Substances (PFAS) under NYSDEC’s Part 375 Remedial Programs”, April 2023 and “DER-10/ Technical Guidance for Site Investigation and Remediation”. Professional judgment is applied as necessary and appropriate. Qualifiers consistent with those defined by EPA Region 2 are applied as necessary and appropriate.

Below is the Data Usability Summary Report (DUSR) associated with these samples.

Data Usability Summary Report	
1. Is the data package complete as defined under the requirements for the most current DEC ASP Category B or USEPA CLP data deliverables?	Yes
2. Have all holding times been met?	Yes
3. Do all the QC data; blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?	No -see following sections
4. Have all of the data been generated using established and agreed upon analytical protocols?	Yes
5. Does an evaluation of the raw data confirm the results provided in the data summary sheet and the quality control verification forms?	Yes

6. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?	Yes
7. Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheet from the data package been attached to the DUSR?	Yes

Overall Evaluation

Based on the data review effort, results are usable, with the following qualifications. For samples that are qualified as estimated (J-, UJ), detected results may be biased low. False negatives may exist in non-detect results. Sample results that are qualified as estimated (J+) may be biased high. For samples that are qualified as estimated with any combination of (J), (J-) and/or (J+), the (J) qualifier takes precedence and is applied to the sample result. It is not possible to determine the direction of the bias and the overall effect on the result.

- The result for PFDS in MW-02_20250122, MW-01_20250122, MW-01X_20250122 and FB-01_20250122 are qualified as estimated (J-, UJ) due to low response in the low-level continuing calibration verification (CCV) standard.
- The results for all target analytes in MW-03_20250127 are qualified as estimated (J-, UJ) because a subsample was used for extraction and not the entire sample volume.
- The results for perfluorooctanesulfonic acid (PFOS), perfluoropentanoic acid (PFPeA), perfluorohexanoic acid (PFHxA), perfluorooctanoic acid (PFOA), perfluorohexanesulfonic acid (PFHxS), perfluorobutanoic acid (PFBA), perfluorobutanesulfonic acid (PFBS), perfluoroheptanoic acid (PFHpA), and perfluorononanoic acid (PFNA) in MW-02_20250122, MW-01_20250122 and MW-01X_20250122 are qualified as estimated (J-, UJ) due to high relative percent difference (RPD) between field duplicate samples.

Qualifier definitions are provided in Attachment A. A copy of the chain of custody record is provided in Attachment B.

The following components were reviewed, where applicable:

- Chain of Custody
- Receiving conditions
- Holding times
- Preservation
- Analyte lists
- Reporting limits
- Requested methods
- Units, and
- Sample related quality control data:
 - Method, instrument blanks
 - Field blanks

- Labeled analog recoveries
- OPR and LL OPR recoveries
- MS/MSD recoveries
- Extracted internal standards (EIS) and non-extracted internal standards (NIS)
- Duplicates
- Analyte Identification
- Instrument related quality control data:
 - Instrument tunes
 - Calibration summaries

In the remaining sections of this report, only those quality excursions resulting in qualified data are discussed below. Quality control excursions having no impact on sample results are not discussed.

Documentation: A completeness review of the data package was performed, and the data package was determined to be a complete Category B data package.

Holding Times, Preservation, Sample Integrity:

A copy of the applicable chain of custody (COC) record was included in the data package, documenting sample collection date of January 22 and 27, 2025. The samples were received at the Eurofins Edison laboratory on the same day as sample collection, then subcontracted to Eurofins Cleveland. All samples were received intact and analyzed within method holding time.

Calibration

Two initial calibrations were performed in support of sample analysis. All response factors and relative standard error values are acceptable. Continuing calibrations were performed at the required frequency and are acceptable with the exception of PFDS (39.1%D) in the CCV analyzed on instrument LCMS02 on 1/28/2025. The percent difference represents a decrease in instrument sensitivity. The result for PFDS in MW-02_20250122, MW-01_20250122, MW-01X_20250122 and FB-01_20250122 are qualified as estimated (J-, UJ) due to low response in the CCV.

Labeled analogs / Extracted Internal Standards (EIS)

EIS are evaluated using the control limits in the method. All recoveries are acceptable, with the exception of M2-4:2 FTS (203%R) in MW-01_20250122. The corresponding target analyte is not detected in the sample and the high recovery has no impact; no qualification of sample results is warranted.

Analyte Quantitation

The results for all target analytes in MW-03_20250127 are qualified as estimated (J-, UJ) because a subsample was used for extraction and not the entire sample volume. Because the entire contents of the sample container were not used, any PFAS that adsorbs to the surface of the bottle is not captured. Detected analytes may be biased low and nondetected analytes may be false negatives.

Field Duplicates

MW-01X_20250122 was submitted as a field duplicate of MW-01_20250122. Precision is acceptable ($RPD \leq 30$) as presented below. Detections below the reporting limit are not evaluated.

Analyte	MW-01_20250122 (ng/L)	MW-01X_20250122 (ng/L)	RPD
Perfluorooctanesulfonic acid (PFOS)	6.05	13.2	74
Perfluoropentanoic acid (PFPeA)	8.8	37.7	125
Perfluoropentanesulfonic Acid (PFPeS)	0.48 J	0.7 J	nc
Perfluorodecanoic acid (PFDA)	ND	0.81 J	nc
Perfluorohexanoic acid (PFHxA)	9.32	41.8	127
Perfluorooctanoic acid (PFOA)	31.4	47	39
Perfluorohexanesulfonic acid (PFHxS)	1.28 J	4.33	109
Perfluorobutanoic acid (PFBA)	9.72	23.9	84
Perfluorobutanesulfonic acid (PFBS)	2.47	12.5	134
Perfluoroheptanoic acid (PFHpA)	6.02	13	72
Perfluorononanoic acid (PFNA)	0.89 J	2.67	100
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	0.81 J	nc

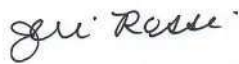
nc-not calculated

ND-not detected

The results for PFOS, PFPeA, PFHxA, PFOA, PFHxS, PFBA, PFBS, PFHpA, and PFNA in MW-02_20250122, MW-01_20250122 and MW-01X_20250122 are qualified as estimated (J-, UJ) due to high RPD between field duplicate samples.

No other sample results are qualified. Please feel free to contact me at (908) 370-3431 or richjერიrossi513@gmail.com if you have any questions regarding this data package review report or need further information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jeri Rossi".

Jeri L Rossi, CEAC

Environmental Consulting Chemist

ATTACHMENT A

Qualifier Definitions

EPA Qualifier Definitions

- U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- NJ The analyte has been “tentatively identified” or “presumptively” as present and the associated numerical value is the estimated concentration in the sample.
- UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

ATTACHMENT B

CHAIN OF CUSTODY (COC)

NY
222[illegible]

Ver 10/10 2024

Page 3010 of 3024

Address _____

674934



Environment Testing America

TAL-8210

[illegible]

no/c3 7A 7B 7C

$$2.3/2.5$$

ATTACHMENT C

**SELECTED PAGES FROM DATA PACKAGE –
QC EXCEEDANCES AND VALIDATION ISSUES**

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 460-319159-1

SDG No.: _____

Lab Sample ID: CCVL 240-642732/2 Calibration Date: 01/28/2025 02:55

Instrument ID: LCMS02 Calib Start Date: 01/24/2025 17:36

GC Column: _____ ID: _____ Calib End Date: 01/24/2025 19:15

Lab File ID: 2025_1_27water,2.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluoroundecanoic acid (PFUnA)	AveID	0.7685	0.8206		0.0534	0.0500	6.8	30.0
9-Chlorohexadecafluoro-3-oxa nonane-1-sulfonic acid	AveID	7.880	7.990		0.189	0.186	1.4	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.9618	1.240		0.0620	0.0481	28.9	30.0
Perfluorododecanoic acid (PFDoA)	AveID	1.017	1.058		0.0520	0.0500	4.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.026	1.117		0.0544	0.0500	8.9	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	1.037	1.442		0.0670	0.0482	39.1*	30.0
Perfluorotridecanoic acid (PFTrDA)	AveID	1.182	1.517		0.0642	0.0500	28.4	30.0
11-Chloroeicosafluoro-3-oxa undecane-1-sulfonic acid	AveID	7.216	7.454		0.195	0.188	3.3	30.0
Perfluorotetradecanoic acid (PFTeDA)	AveID	1.403	1.444		0.0515	0.0500	2.9	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.8344	0.8454		0.0491	0.0485	1.3	30.0
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	AveID	0.1134	0.1135		0.501	0.500	0.1	30.0
N-methylperfluorooctane sulfonamide (NMeFOSA)	AveID	1.010	1.238		0.0613	0.0500	22.6	30.0
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	AveID	0.0936	0.1032		0.551	0.500	10.2	30.0
N-ethylperfluorooctane sulfonamide (NEtFOSA)	AveID	1.078	1.150		0.0534	0.0500	6.7	30.0
13C4 PFBA	Ave	0.6043	0.5504		2.28	2.50	-8.9	30.0
13C5 PFPeA	Ave	0.6670	0.5830		1.09	1.25	-12.6	30.0
M2-4:2 FTS	Ave	0.0849	0.1000		1.38	1.17	17.9	30.0
13C5 PFHxA	Ave	1.369	1.132		0.517	0.625	-17.3	30.0
13C3 PFBS	Ave	1.069	1.068		0.582	0.583	-0.0	30.0
13C3 HFPO-DA	Ave	0.1868	0.1746		2.34	2.50	-6.5	30.0
13C4 PFHpA	Ave	1.445	1.140		0.493	0.625	-21.2	30.0
M2-6:2 FTS	Ave	0.0765	0.0856		1.33	1.19	11.9	30.0
13C8 PFOA	Ave	5.236	5.152		0.615	0.625	-1.6	30.0
13C3 PFHxS	Ave	0.996	1.050		0.625	0.593	5.5	30.0
13C9 PFNA	Ave	0.9313	0.9144		0.307	0.313	-1.8	30.0
M2-8:2 FTS	Ave	0.0555	0.0586		1.27	1.20	5.6	30.0
d3-NMeFOSAA	Ave	0.2824	0.2960		1.31	1.25	4.8	30.0
13C6 PFDA	Ave	1.144	1.018		0.278	0.313	-11.0	30.0
d5-NEtFOSAA	Ave	0.3160	0.3546		1.40	1.25	12.2	30.0
13C8 PFOS	Ave	1.060	0.9236		0.522	0.599	-12.9	30.0
13C7 PFUnA	Ave	1.202	1.155		0.300	0.313	-3.9	30.0
13C2-PFDoDA	Ave	1.117	0.9279		0.260	0.313	-16.9	30.0
13C8 FOSA	Ave	1.073	0.9644		0.562	0.625	-10.1	30.0
13C2 PFTeDA	Ave	0.6831	0.6220		0.285	0.313	-9.0	30.0
d7-N-MeFOSE-M	Ave	0.4200	0.3680		5.48	6.25	-12.4	30.0

APPENDIX E
SVE SYSTEM INSPECTION AND SAMPLING LOGS

SVE INSPECTION LOG MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY																				
Inspector Name: S. Grens			Date: 3/5/2024																	
Time IN: 900			Time OUT: 1300																	
GENERAL																				
Weather: Rain		Temperature: 44 deg F		Barometric Pressure: 30.2 Equipment Room Temperature: 65 deg F																
When was the last rain event? 3/5/2024																				
Is the SVE system being cycled on or off this month? ☒ On / ☐ Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																				
Is the SVE blower currently operating? Yes <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																				
What is the VFD setting? 60 Hz <i>If under 30 Hz, ALERT PROJECT MANAGER:</i>																				
Is condensate in the knockout tank gauge below the low-high float sensor? Yes <i>If no, ALERT PROJECT MANAGER and manually drain knockout tank</i>																				
Is transfer pump working? Yes <i>If no, ALERT PROJECT MANAGER.</i>																				
Is 55-gallon drum full? No <i>If yes, acknowledge alarm on panel and ALERT PROJECT MANAGER.</i>																				
Any evidence of system tampering, vandalism or damage? No <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																				
Any evidence of system tampering, vandalism or damage to the exhaust stack? No <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																				
Notes: This SVE Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																				
Comments: Pressure Influent GAC - 13 " H2O. Pressure Effluent GAC 5" H2O. East Blower Vacuum Pre-filter 5.5" H2O. Vacuum Post-filter 5.5" H2O. West Blower Vacuum Pre-filter 7.0" H2O. Vacuum Post-filter 7.0" H2O.																				
<table><tr><th colspan="3">Emergency Contact Information</th></tr><tr><th>Name</th><th>Title</th><th>Contact Number</th></tr><tr><td>Marc Godick</td><td>AKRF Project Director</td><td>914-922-2356 (office)</td></tr><tr><td>Patrick Diggins</td><td>Project Manager</td><td>914-922-2356 (office) 603-494-7090 (cell)</td></tr><tr><td>Chris Steinmann</td><td>Owner's Representative</td><td>917-295-0948 (cell)</td></tr></table>						Emergency Contact Information			Name	Title	Contact Number	Marc Godick	AKRF Project Director	914-922-2356 (office)	Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)	Chris Steinmann	Owner's Representative	917-295-0948 (cell)
Emergency Contact Information																				
Name	Title	Contact Number																		
Marc Godick	AKRF Project Director	914-922-2356 (office)																		
Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)																		
Chris Steinmann	Owner's Representative	917-295-0948 (cell)																		

SVE INSPECTION LOG MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY				
SVE Operation				
CALL PROJECT MANAGER IF READING OUTSIDE ACCEPTABLE/TYPICAL RANGE (IN GRAY)				
Pre-Blower Inlet Temperature (°F):		Post-Blower Outlet Temperature (°F):		Knockout Tank Vacuum (Inches of water column):
40-80°F		70-110°F		0-50 inH2O
62		90		4
Pre-filter Vacuum (Inches of water column):		Post-filter Vacuum (Inches of water column):		Post-Blower Pressure (Inches of water column):
0-50 inH2O		0-50 inH2O		0-20 inH2O
5		6.2		25
GAC Influent PID (ppm):		GAC Intermediate PID (ppm):		GAC Effluent PID (ppm):
		Less than GAC Influent PID		<1 ppm
10.0		10.0		ND
Monitoring Location	Vacuum Reading in. H2O	Air Flow Reading in. H2O	Air Flow Reading CFM	Notes
SVMP-01	1.174	na	na	
SVMP-02	1.25	na	na	
SVMP-03	1.229	na	na	
SVMP-04	1.042	na	na	
SVMP-05	0.851	na	na	
SVMP-06	1.152	na	na	
SVE-01	2.5	0.06	57	
SVE-02	2.6	0.26	118	
SVE-03	2.5	0.15	90	
SVE-04	2.5	0.04	46	
SVE-05	2.6	0.01	23	

SVE INSPECTION LOG MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY																					
Inspector Name: M.Bates		Date: 6/12/2024																			
Time IN: 900		Time OUT: 1700																			
GENERAL																					
Weather: Sunny	Temperature: 75 deg F	Barometric Pressure: 29.92	Equipment Room Temperature: 70 deg F																		
When was the last rain event? 5/30/2024																					
Is the SVE system being cycled on or off this month? ☒ On ☐ Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																					
Is the SVE blower currently operating? ☒ Yes ☐ No <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																					
What is the VFD setting? 60 Hz <i>If under 30 Hz, ALERT PROJECT MANAGER:</i>																					
Is condensate in the knockout tank gauge below the low-high float sensor? ☒ Yes ☐ No <i>If no, ALERT PROJECT MANAGER and manually drain knockout tank</i>																					
Is transfer pump working? ☒ Yes ☐ No <i>If no, ALERT PROJECT MANAGER.</i>																					
Is 55-gallon drum full? ☐ No ☒ Yes <i>If yes, acknowledge alarm on panel and ALERT PROJECT MANAGER.</i>																					
Any evidence of system tampering, vandalism or damage? ☐ No ☒ Yes <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																					
Any evidence of system tampering, vandalism or damage to the exhaust stack? ☐ No ☒ Yes <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																					
Notes: This SVE Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																					
Comments:																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center; padding: 5px;">Emergency Contact Information</th> </tr> <tr> <th style="width: 33%; padding: 5px;">Name</th> <th style="width: 33%; padding: 5px;">Title</th> <th style="width: 33%; padding: 5px;">Contact Number</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Marc Godick</td> <td style="padding: 5px;">AKRF Project Director</td> <td style="padding: 5px;">914-922-2356 (office)</td> </tr> <tr> <td style="padding: 5px;">Patrick Diggins</td> <td style="padding: 5px;">Project Manager</td> <td style="padding: 5px;">914-922-2356 (office)</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">603-494-7090 (cell)</td> </tr> <tr> <td style="padding: 5px;">Chris Steinmann</td> <td style="padding: 5px;">Owner's Representative</td> <td style="padding: 5px;">917-295-0948 (cell)</td> </tr> </tbody> </table>				Emergency Contact Information			Name	Title	Contact Number	Marc Godick	AKRF Project Director	914-922-2356 (office)	Patrick Diggins	Project Manager	914-922-2356 (office)			603-494-7090 (cell)	Chris Steinmann	Owner's Representative	917-295-0948 (cell)
Emergency Contact Information																					
Name	Title	Contact Number																			
Marc Godick	AKRF Project Director	914-922-2356 (office)																			
Patrick Diggins	Project Manager	914-922-2356 (office)																			
		603-494-7090 (cell)																			
Chris Steinmann	Owner's Representative	917-295-0948 (cell)																			

SVE INSPECTION LOG MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY				
SVE Operation CALL PROJECT MANAGER IF READING OUTSIDE ACCEPTABLE/TYPICAL RANGE (IN GRAY)				
Pre-Blower Inlet Temperature (°F): 40-80°F		Post-Blower Outlet Temperature (°F): 70-110°F		Knockout Tank Vacuum (Inches of water column): 0-50 inH2O
74		88		0
Pre-filter Vacuum (Inches of water column): 0-50 inH2O		Post-filter Vacuum (Inches of water column): 0-50 inH2O		Post-Blower Pressure (Inches of water column): 0-20 inH2O
4		6		25
GAC Influent PID (ppm):		GAC Intermediate PID (ppm): Less than GAC Influent PID		GAC Effluent PID (ppm): <1 ppm
ND		ND		ND
Monitoring Location	Vacuum Reading in. H2O	Air Flow Reading in. H2O	Air Flow Reading CFM	Notes
SVMP-01	10.2	na	na	
SVMP-02	0.98	na	na	
SVMP-03	1.13	na	na	
SVMP-04	0.87	na	na	
SVMP-05	0.85	na	na	
SVMP-06	0.71	na	na	
SVE-01	2.5		25	
SVE-02	2.6		44	
SVE-03	2.5		34	
SVE-04	2.5		20	
SVE-05	2.6		25	

SVE INSPECTION LOG MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY																				
Inspector Name: M.Bates			Date: 8/15/2024																	
Time IN: 900			Time OUT: 1400																	
GENERAL																				
Weather: Sunny		Temperature: 87 deg F		Barometric Pressure: 30 Equipment Room Temperature: 85 deg F																
When was the last rain event? 8/9/2024																				
Is the SVE system being cycled on or off this month? On / Off (circle one) <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																				
Is the SVE blower currently operating? Yes <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																				
What is the VFD setting? 40 Hz <i>If under 30 Hz, ALERT PROJECT MANAGER:</i>																				
Is condensate in the knockout tank gauge below the low-high float sensor? Yes <i>If no, ALERT PROJECT MANAGER and manually drain knockout tank</i>																				
Is transfer pump working? Yes <i>If no, ALERT PROJECT MANAGER.</i>																				
Is 55-gallon drum full? No <i>If yes, acknowledge alarm on panel and ALERT PROJECT MANAGER.</i>																				
Any evidence of system tampering, vandalism or damage? No <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																				
Any evidence of system tampering, vandalism or damage to the exhaust stack? No <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																				
Notes: This SVE Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																				
Comments:																				
<table><tr><th colspan="3">Emergency Contact Information</th></tr><tr><th>Name</th><th>Title</th><th>Contact Number</th></tr><tr><td>Marc Godick</td><td>AKRF Project Director</td><td>914-922-2356 (office)</td></tr><tr><td>Patrick Diggins</td><td>Project Manager</td><td>914-922-2356 (office) 603-494-7090 (cell)</td></tr><tr><td>Chris Steinmann</td><td>Owner's Representative</td><td>917-295-0948 (cell)</td></tr></table>						Emergency Contact Information			Name	Title	Contact Number	Marc Godick	AKRF Project Director	914-922-2356 (office)	Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)	Chris Steinmann	Owner's Representative	917-295-0948 (cell)
Emergency Contact Information																				
Name	Title	Contact Number																		
Marc Godick	AKRF Project Director	914-922-2356 (office)																		
Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)																		
Chris Steinmann	Owner's Representative	917-295-0948 (cell)																		

SVE INSPECTION LOG MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY				
SVE Operation				
CALL PROJECT MANAGER IF READING OUTSIDE ACCEPTABLE/TYPICAL RANGE (IN GRAY)				
Pre-Blower Inlet Temperature (°F):		Post-Blower Outlet Temperature (°F):		Knockout Tank Vacuum (Inches of water column):
40-80°F		70-110°F		0-50 inH2O
80		140		0
Pre-filter Vacuum (Inches of water column):		Post-filter Vacuum (Inches of water column):		Post-Blower Pressure (Inches of water column):
0-50 inH2O		0-50 inH2O		0-20 inH2O
5		7.5		25
GAC Influent PID (ppm):		GAC Intermediate PID (ppm):		GAC Effluent PID (ppm):
		Less than GAC Influent PID		<1 ppm
ND		ND		ND
Monitoring Location	Vacuum Reading in. H2O	Air Flow Reading in. H2O	Air Flow Reading CFM	Notes
SVMP-01	1.53	na	na	
SVMP-02	1.63	na	na	
SVMP-03	1.69	na	na	
SVMP-04	1.69	na	na	
SVMP-05	1.69	na	na	
SVMP-06	1.55	na	na	
SVE-01	3.6	0.21	40	
SVE-02	3.8	0.03	15	
SVE-03	3.6	0.28	50	
SVE-04	3.7	0.11	30	
SVE-05	4.0	0.2	7	

SVE INSPECTION LOG
MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION
 Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

Inspector Name: <u>Mike Bates</u>		Date: <u>10/17/24</u>	
Time IN: <u>0830</u>		Time OUT: <u>1500</u>	
GENERAL			
Weather: <u>SUNNY</u>	Temperature: <u>54-57°F</u>	Barometric Pressure: <u>30.24</u>	Equipment Room Temperature: <u>70</u>
When was the last rain event? <u>over 2 weeks ago</u>			
Is the SVE system being cycled on or off this month? <u>On</u> / Off (circle one) If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:			
Is the SVE blower currently operating? <u>Yes</u> If no, ALERT PROJECT MANAGER and please list reason/alarm condition:			
What is the VFD setting? <u>60</u> If under 30 Hz, ALERT PROJECT MANAGER:			
Is condensate in the knockout tank gauge below the low-high float sensor? <u>Yes</u> If no, ALERT PROJECT MANAGER and manually drain knockout tank			
Is transfer pump working? <u>Yes</u> If no, ALERT PROJECT MANAGER:			
Is 55-gallon drum full? <u>NO</u> If yes, acknowledge alarm on panel and ALERT PROJECT MANAGER:			
Any evidence of system tampering, vandalism or damage? <u>NO</u> If yes, ALERT PROJECT MANAGER and please note findings:			
Any evidence of system tampering, vandalism or damage to the exhaust stack? <u>NO</u> If yes, ALERT PROJECT MANAGER and please note findings:			
Notes: This SVE Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector, ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon			
Comments: Pressure Influent GAC - 13" H2O. Pressure Effluent GAC 5" H2O. East Blower Vacuum Pre-filter 5.5" H2O. Vacuum Post-filter 5.5" H2O. West Blower Vacuum Pre-filter 7.0" H2O. Vacuum Post-filter 7.0" H2O.			

Emergency Contact Information		
Name	Title	Contact Number
Marc Godick	AKRF Project Director	914-922-2356 (office)
Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)
Chris Steinmann	Owner's Representative	917-295-0948 (cell)

SVE INSPECTION LOG
MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION
 Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

SVE Operation				
CALL PROJECT MANAGER IF READING OUTSIDE ACCEPTABLE/TYPICAL RANGE (IN GRAY)				
Pre-Blower Inlet Temperature (°F): 40-80°F		Post-Blower Outlet Temperature (°F): 70-110°F		Knockout Tank Vacuum (Inches of water column): 0-50 inH2O
74		115		0
Pre-filter Vacuum (Inches of water column): 0-50 inH2O		Post-filter Vacuum (Inches of water column): 0-50 inH2O		Post-Blower Pressure (Inches of water column): 0-20 inH2O
5		10		23
GAC Influent PID (ppm):		GAC Intermediate PID (ppm): Less than GAC Influent PID		GAC Effluent PID (ppm): <1 ppm
2		10		10
Monitoring Location	Vacuum Reading "H2O Between 0.1 and 5 "H2O	Air Flow Reading "H2O Between 0.000 and 0.010 "H2O	Air Flow Reading CFM	Notes
SVMP-01	-1.183			Next to NW-1
SVMP-02	-1.342			OUTSIDE ^{Back} Vestibule Near NW-2
SVMP-03	-1.127			
SVMP-04	-1.039			Package Covered
SVMP-05	-1.294			
SVMP-06	~~-1.016~~	-1.139		Compressor Room East In accessible at time of startup.
SVE-01	3		36	Readings are bouncing
SVE-02	4.5		25	
SVE-03	2.3		32	
SVE-04	3.5		30	
SVE-05	4		20	

SVE INSPECTION LOG
MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION
 Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

Inspector Name: Mike Bates Date: 1/27/25
 Time IN: 0900 Time OUT: 1700

GENERAL

Weather: Clear Temperature: 30-37°F Barometric Pressure: 30.03 Equipment Room Temperature: 75

When was the last rain event? 9/22/2024 1/18/25

Is the SVE system being cycled on or off this month? On / Off (circle one) (On)
 If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:

Is the SVE blower currently operating? Yes
 If no, ALERT PROJECT MANAGER and please list reason/alarm condition:

What is the VFD setting? 40 Hz
 If under 30 Hz, ALERT PROJECT MANAGER:

Is condensate in the knockout tank gauge below the low-high float sensor? Yes
 If no, ALERT PROJECT MANAGER and manually drain knockout tank

Is transfer pump working? Yes
 If no, ALERT PROJECT MANAGER.

Is 55-gallon drum full? No
 If yes, acknowledge alarm on panel and ALERT PROJECT MANAGER.

Any evidence of system tampering, vandalism or damage? No
 If yes, ALERT PROJECT MANAGER and please note findings:

Any evidence of system tampering, vandalism or damage to the exhaust stack? No
 If yes, ALERT PROJECT MANAGER and please note findings:

Notes: This SVE Inspection Log should be completed along with the sampling log for each sampling event.
 PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon

Comments: ~~Pressure Influent GAC 13" H₂O. Pressure Effluent GAC 5" H₂O.~~
~~East Blower Vacuum Pre-filter 5.6" H₂O. Vacuum Post-filter 5.5" H₂O.~~
~~West Blower Vacuum Pre-filter 7.0" H₂O. Vacuum Post-filter 7.0" H₂O.~~

Emergency Contact Information		
Name	Title	Contact Number
Marc Godick	AKRF Project Director	914-922-2356 (office)
Patrick Diggins	Project Manager	914-922-2356 (office) 603-494-7090 (cell)
Chris Steinmann	Owner's Representative	917-295-0948 (cell)

SVE INSPECTION LOG
MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION
 Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

SVE Operation
CALL PROJECT MANAGER IF READING OUTSIDE ACCEPTABLE/TYPICAL RANGE (IN GRAY)

Pre-Blower Inlet Temperature (°F): 40-80°F	Post-Blower Outlet Temperature (°F): 70-110°F	Knockout Tank Vacuum (Inches of water column): 0-50 inH2O
58	110	0
Pre-filter Vacuum (Inches of water column): 0-50 inH2O	Post-filter Vacuum (Inches of water column): 0-50 inH2O	Post-Blower Pressure (Inches of water column): 0-20 inH2O
5	8.5	24
GAC Influent PID (ppm):	GAC Intermediate PID (ppm): Less than GAC Influent PID	GAC Effluent PID (ppm): <1 ppm
.4	.2	0.0

Monitoring Location	Vacuum Reading in. H2O	Air Flow Reading in. H2O	Air Flow Reading CFM	Notes
SVMP-01	~~0.75~~	~~1.8~~ 7.3		Next to MW-1 Compactor west
SVMP-02	.753			hallway to compactor west
SVMP-03	.855			~~Restroom in~~ Restroom in Holework room
SVMP-04	.690			Package Room
SVMP-05	.707			Packing Spot 27
SVMP-06	.811			Compactor east
SVE-01	~~1.5~~ 2	~~1.8~~ 2.0		
SVE-02	~~1.5~~ 1.8	~~1.8~~ 3.8		
SVE-03	~~1.5~~ 1.9	~~1.8~~ 3.0		
SVE-04	~~3~~ 3.2	~~1.8~~ 2.0		Water Seen in peeto tubes
SVE-05	~~3~~ 4.5	~~1.8~~ 3		-

SVE INSPECTION LOG MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY																							
Inspector Name: Mike Bates			Date: 4/10/2025																				
Time IN: 830			Time OUT: 1830																				
GENERAL																							
Weather:	Rain	Temperature:	47 deg F	Barometric Pressure:	29.78 Equipment Room Temperature: 70 deg F																		
When was the last rain event?		4/7/2025																					
Is the SVE system being cycled on or off this month? On / Off (circle one) On <i>If issues cycling system on or off, ALERT PROJECT MANAGER and please describe issue:</i>																							
Is the SVE blower currently operating? Yes <i>If no, ALERT PROJECT MANAGER and please list reason/alarm condition:</i>																							
What is the VFD setting? 40 Hz <i>If under 30 Hz, ALERT PROJECT MANAGER:</i>																							
Is condensate in the knockout tank gauge below the low-high float sensor? Yes <i>If no, ALERT PROJECT MANAGER and manually drain knockout tank</i>																							
Is transfer pump working? Yes <i>If no, ALERT PROJECT MANAGER.</i>																							
Is 55-gallon drum full? No <i>If yes, acknowledge alarm on panel and ALERT PROJECT MANAGER.</i>																							
Any evidence of system tampering, vandalism or damage? No <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																							
Any evidence of system tampering, vandalism or damage to the exhaust stack? No <i>If yes, ALERT PROJECT MANAGER and please note findings:</i>																							
Notes: This SVE Inspection Log should be completed along with the sampling log for each sampling event. PID - Photoionization Detector; ppm - parts per million; NA - Not applicable; GAC - Granular Activated Carbon																							
Comments: Pressure Influent GAC - 13 " H2O. Pressure Effluent GAC 5" H2O. East Blower Vacuum Pre-filter 5.5" H2O. Vacuum Post-filter 5.5" H2O. West Blower Vacuum Pre-filter 7.0" H2O. Vacuum Post-filter 7.0" H2O.																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Emergency Contact Information</th> </tr> <tr> <th style="width: 33%;">Name</th> <th style="width: 33%;">Title</th> <th style="width: 33%;">Contact Number</th> </tr> </thead> <tbody> <tr> <td>Marc Godick</td> <td>AKRF Project Director</td> <td>914-922-2356 (office)</td> </tr> <tr> <td>Patrick Diggins</td> <td>Project Manager</td> <td>914-922-2356 (office)</td> </tr> <tr> <td></td> <td></td> <td>603-494-7090 (cell)</td> </tr> <tr> <td>Chris Steinmann</td> <td>Owner's Representative</td> <td>917-295-0948 (cell)</td> </tr> </tbody> </table>						Emergency Contact Information			Name	Title	Contact Number	Marc Godick	AKRF Project Director	914-922-2356 (office)	Patrick Diggins	Project Manager	914-922-2356 (office)			603-494-7090 (cell)	Chris Steinmann	Owner's Representative	917-295-0948 (cell)
Emergency Contact Information																							
Name	Title	Contact Number																					
Marc Godick	AKRF Project Director	914-922-2356 (office)																					
Patrick Diggins	Project Manager	914-922-2356 (office)																					
		603-494-7090 (cell)																					
Chris Steinmann	Owner's Representative	917-295-0948 (cell)																					

SVE INSPECTION LOG				
MONTHLY SOIL VAPOR EXTRACTION SYSTEM INSPECTION				
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY				
SVE Operation				
CALL PROJECT MANAGER IF READING OUTSIDE ACCEPTABLE/TYPICAL RANGE (IN GRAY)				
Pre-Blower Inlet Temperature (°F): 40-80°F		Post-Blower Outlet Temperature (°F): 70-110°F		Knockout Tank Vacuum (Inches of water column): 0-50 inH2O
70		60		0
Pre-filter Vacuum (Inches of water column): 0-50 inH2O		Post-filter Vacuum (Inches of water column): 0-50 inH2O		Post-Blower Pressure (Inches of water column): 0-20 inH2O
6		8.5		20
GAC Influent PID (ppm):		GAC Intermediate PID (ppm): Less than GAC Influent PID		GAC Effluent PID (ppm): <1 ppm
0.2		0.1		0
Variable Frequency Drive setting: hz				
Monitoring Location	Vacuum Reading in. H2O	Air Flow Reading in. H2O	Air Flow Reading CFM	Notes
SVMP-01	1.125	-	-	
SVMP-02	1.276	-	-	
SVMP-03	1.301	-	-	
SVMP-04	1.314	-	-	
SVMP-05	1.296	-	-	
SVMP-06	1.353	-	-	
SVE-01	2	0.09	25	
SVE-02	1.25	0.19	40	
SVE-03	1.6	0.13	38	
SVE-04	4	0.09	20	
SVE-05	4.25	0.01	20	

APPENDIX F
DAR-1 MODELING ANALYSIS

		Facility Wide															
CAS NUMBER	CHEMICAL NAME	SGC (µg/m³)	AGC (µg/m³)	Toxicity				Scaled Max Impact (µg/m3)			ERP			Actual	Initial	ER	
					ERP (lb/hr)	ERP (lb/yr)	annual (lb/yr)	1-hr	Annual-ERP	Annual-Actual	%SGC	%AGC	%AGC	ER			Adjustment
00071-55-6	METHYL CHLOROFORM	9000	5000	L	2.7E-06	0.023645	0.023644894	4.16E-04	4.16E-05	4.16E-05	0.0%	0.0%	0.0%		C	None	
00079-34-5	TETRACHLOROETHANE, 1,1,2,2-	-----	16	M	3.39E-06	0.029719	0.029718812	5.23E-04	5.23E-05	5.23E-05	#VALUE!	0.0%	0.0%		B	None	
00079-00-5	TRICHLOROETHANE, 1,1,2-	-----	1.4	H	2.7E-06	0.023645	0.023644894	4.16E-04	4.16E-05	4.16E-05	#VALUE!	0.0%	0.0%		A	None	
00075-34-3	DICHLOROETHANE, 1,1-	-----	0.63	L	2E-06	0.017549	0.017549284	3.09E-04	3.09E-05	3.09E-05	#VALUE!	0.0%	0.0%		C	None	
00075-35-4	VINYLDIENE CHLORIDE	-----	200	M	1.96E-06	0.017202	0.017202203	3.03E-04	3.03E-05	3.03E-05	#VALUE!	0.0%	0.0%		B	None	
00120-82-1	TRICHLOROBENZENE, 1,2,4-	3700	35	M	3.66E-06	0.032105	0.032104994	5.66E-04	5.66E-05	5.66E-05	0.0%	0.0%	0.0%		B	None	
00095-63-6	TRIMETHYLBENZENE, 1,2,4-	-----	60	M	2.43E-06	0.021324	0.02132379	3.76E-04	3.76E-05	3.76E-05	#VALUE!	0.0%	0.0%		B	None	
00106-93-4	DIBROMOETHANE, 1, 2	-----	0.0017	H	3.81E-06	0.033407	0.033406547	5.88E-04	5.88E-05	5.88E-05	#VALUE!	3.5%	3.5%		A	None	
00095-50-1	DICHLOROBENZENE, ORTHO-	30000	200	M	2.97E-06	0.026031	0.026031076	4.59E-04	4.59E-05	4.59E-05	0.0%	0.0%	0.0%		B	None	
00107-06-2	DICHLOROETHANE, 1,2-	-----	0.038	H	2E-06	0.017549	0.017549284	3.09E-04	3.09E-05	3.09E-05	#VALUE!	0.1%	0.1%		A	None	
00078-87-5	PROPYLENE DICHLORIDE	-----	4	M	2.29E-06	0.020044	0.020043928	3.53E-04	3.53E-05	3.53E-05	#VALUE!	0.0%	0.0%		B	None	
00108-67-8	TRIMETHYLBENZENE, 1,3,5-	-----	60	M	2.43E-06	0.021324	0.02132379	3.76E-04	3.76E-05	3.76E-05	#VALUE!	0.0%	0.0%		B	None	
00106-99-0	BUTADIENE, 1,3-	-----	0.033	H	1.09E-06	0.009588	0.009588113	1.69E-04	1.69E-05	1.69E-05	#VALUE!	0.1%	0.1%		A	None	
00541-73-1	DICHLOROBENZENE, META-	-----	10	M	2.97E-06	0.026031	0.026031076	4.59E-04	4.59E-05	4.59E-05	#VALUE!	0.0%	0.0%		B	None	
00106-46-7	DICHLOROBENZENE, PARA-	-----	0.091	M	2.97E-06	0.026031	0.026031076	4.59E-04	4.59E-05	4.59E-05	#VALUE!	0.1%	0.1%		B	None	
00123-91-1	DIOXANE, 1,4-	3000	0.2	M	1.79E-06	0.01564	0.015640338	2.75E-04	2.75E-05	2.75E-05	0.0%	0.0%	0.0%		B	None	
00540-84-1	ISOOCTANE	-----	3300	M	2.31E-06	0.020261	0.020260854	3.57E-04	3.57E-05	3.57E-05	#VALUE!	0.0%	0.0%		B	None	
00078-93-3	METHYL ETHYL KETONE	13000	5000	M	4.71E-06	0.041216	0.04121587	7.26E-04	7.26E-05	7.26E-05	0.0%	0.0%	0.0%		B	None	
00591-78-6	METHYL BUTYL KETONE	4000	30	O	2.03E-06	0.017788	0.017787902	3.13E-04	3.13E-05	3.13E-05	0.0%	0.0%	0.0%		B	None	
00107-05-1	ALLYL CHLORIDE	600	1	M	1.55E-06	0.01358	0.013579545	2.39E-04	2.39E-05	2.39E-05	0.0%	0.0%	0.0%		B	None	
00622-96-8	BENZENE,1-ETHYL-4-METHYL-	-	0.1	-	2.43E-06	0.021324	0.02132379	3.76E-04	3.76E-05	3.76E-05	#VALUE!	0.0%	0.0%		B	None	
00108-10-1	METHYL ISOBUTYL KETONE	31000	3000	M	5.08E-06	0.04447	0.044469755	7.83E-04	7.83E-05	7.83E-05	0.0%	0.0%	0.0%		B	None	
00067-64-1	ACETONE	180000	30000	L	8.59E-05	0.752732	0.752731943	1.33E-02	1.33E-03	1.33E-03	0.0%	0.0%	0.0%		C	None	
00071-43-2	BENZENE	27	0.13	H	1.58E-06	0.013862	0.013861548	2.44E-04	2.44E-05	2.44E-05	0.0%	0.0%	0.0%		A	None	
00100-44-7	BENZYL CHLORIDE	240	0.02	H	2.58E-06	0.02256	0.022560266	3.97E-04	3.97E-05	3.97E-05	0.0%	0.2%	0.2%		A	None	
00075-27-4	BROMODICHLOROMETHANE	-----	70	M	3.32E-06	0.029068	0.029068035	5.12E-04	5.12E-05	5.12E-05	#VALUE!	0.0%	0.0%		B	None	
00075-25-2	BROMOFORM	-----	0.91	M	5.13E-06	0.044904	0.044903606	7.91E-04	7.91E-05	7.91E-05	#VALUE!	0.0%	0.0%		B	None	
00074-83-9	METHYL BROMIDE	3900	5	M	1.92E-06	0.016855	0.016855122	2.97E-04	2.97E-05	2.97E-05	0.0%	0.0%	0.0%		B	None	
00075-15-0	CARBON DISULFIDE	6200	700	M	1.54E-06	0.013514	0.013514467	2.38E-04	2.38E-05	2.38E-05	0.0%	0.0%	0.0%		B	None	
00056-23-5	CARBON TETRACHLORIDE	1900	0.17	H	3.12E-06	0.027333	0.02733263	4.81E-04	4.81E-05	4.81E-05	0.0%	0.0%	0.0%		A	None	
00108-90-7	CHLOROBENZENE	-----	60	M	2.28E-06	0.019979	0.019978851	3.52E-04	3.52E-05	3.52E-05	#VALUE!	0.0%	0.0%		B	None	
00075-00-3	ETHYL CHLORIDE	-----	10000	L	1.31E-06	0.011454	0.011453673	2.02E-04	2.02E-05	2.02E-05	#VALUE!	0.0%	0.0%		C	None	
00067-66-3	CHLOROFORM	150	14.7	H	1.84E-05	0.161501	0.161501133	2.84E-03	2.84E-04	2.84E-04	0.0%	0.0%	0.0%		A	None	
00074-87-3	CHLOROMETHANE	22000	90	M	1.02E-06	0.008959	0.008959029	1.58E-04	1.58E-05	1.58E-05	0.0%	0.0%	0.0%		B	None	
00156-59-2	DICHLOROETHYLENE, CIS-	-----	63	M	1.96E-06	0.017202	0.017202203	3.03E-04	3.03E-05	3.03E-05	#VALUE!	0.0%	0.0%		B	None	
10061-01-5	1-PROPENE,1,3-DICHLORO-,(Z)-	-	0.1	-	2.25E-06	0.019697	0.019696847	3.47E-04	3.47E-05	3.47E-05	#VALUE!	0.0%	0.0%		B	None	
00110-82-7	CYCLOHEXANE	-----	6000	L	1.7E-06	0.014924	0.014924483	2.63E-04	2.63E-05	2.63E-05	#VALUE!	0.0%	0.0%		C	None	
00124-48-1	CHLORODIBROMOMETHANE	-	0.1	-	4.21E-06	0.036877	0.036877357	6.50E-04	6.50E-05	6.50E-05	#VALUE!	0.1%	0.1%		B	None	
00075-71-8	DICHLORODIFLUOROMETHANE	-----	12000	O	0.000132	1.15296	1.152959734	2.03E-02	2.03E-03	2.03E-03	#VALUE!	0.0%	0.0%		B	None	
00064-17-5	ETHANOL	-----	45000	L	2.33E-05	0.204344	0.204343945	3.60E-03	3.60E-04	3.60E-04	#VALUE!	0.0%	0.0%		C	None	
00141-78-6	ETHYL ACETATE	-----	3400	M	4.46E-06	0.039047	0.039046614	6.88E-04	6.88E-05	6.88E-05	#VALUE!	0.0%	0.0%		B	None	
00100-41-4	ETHYLBENZENE	-----	1000	M	8.07E-06	0.070718	0.070717756	1.25E-03	1.25E-04	1.25E-04	#VALUE!	0.0%	0.0%		B	None	
00076-13-1	TRICHLOROTRIFLUOROETHANE, 1,1,2-	960000	180000	L	3.79E-06	0.03319	0.033189622	5.85E-04	5.85E-05	5.85E-05	0.0%	0.0%	0.0%		C	None	
00076-14-2	DICHLOROTETRAFLUORETHANE	-----	17000	O	3.47E-06	0.03037	0.030369588	5.35E-04	5.35E-05	5.35E-05	#VALUE!	0.0%	0.0%		B	None	
00142-82-5	HEPTANE, N-	210000	3900	M	2.03E-06	0.017788	0.017787902	3.13E-04	3.13E-05	3.13E-05	0.0%	0.0%	0.0%		B	None	
00087-68-3	HEXACHLOROBUTADIENE	-----	0.045	M	5.27E-06	0.046205	0.04620516	8.14E-04	8.14E-05	8.14E-05	#VALUE!	0.2%	0.2%		B	None	
00067-63-0	ISOPROPYL ALCOHOL	98000	7000	M	0.000571	5.000136	5.000135818	8.81E-02	8.81E-03	8.81E-03	0.0%	0.0%	0.0%		B	None	
01634-04-4	METHYL TERT-BUTYL ETHER	-----	3.8	M	1.79E-06	0.01564	0.015640338	2.75E-04	2.75E-05	2.75E-05	#VALUE!	0.0%	0.0%		B	None	
00075-09-2	DICHLOROMETHANE	14000	46	M	1.16E-05	0.101304	0.10130427	1.78E-03	1.78E-04	1.78E-04	0.0%	0.0%	0.0%		B	None	
00110-54-3	HEXANE	-----	700	M	6.88E-05	0.603053	0.603053257	1.06E-02	1.06E-03	1.06E-03	#VALUE!	0.0%	0.0%		B	None	
00091-20-3	NAPHTHALENE	7900	3	M	2.6E-06	0.022777	0.022777191	4.01E-04	4.01E-05	4.01E-05	0.0%	0.0%	0.0%		B	None	
00095-47-6	XYLENE, ORTHO-	22000	100	M	1.13E-05	0.099243	0.099243477	1.75E-03	1.75E-04	1.75E-04	0.0%	0.0%	0.0%		B	None	
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#####	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#####	#VALUE!		
00100-42-5	STYRENE	17000	1000	M	2.11E-06	0.018482	0.018482064	3.26E-04	3.26E-05	3.26E-05	0.0%	0.0%	0.0%		B	None	
00075-65-0	BUTYL ALCOHOL, TERT-	-----	720	O	3.76E-06	0.032973	0.032972696	5.81E-04	5.81E-05	5.81E-05	#VALUE!	0.0%	0.0%		B	None	
00127-18-4	TETRACHLOROETHYLENE	300	3.8	H	4.18E-06	0.03666	0.036660432	6.46E-04	6.46E-05	6.46E-05	0.0%	0.0%	0.0%		A	None	
00109-99-9	TETRAHYDROFURAN	30000	350	M	5.77E-06	0.050544	0.050543672	8.90E-04	8.90E-05	8.90E-05	0.0%	0.0%	0.0%		B	None	
00108-88-3	TOLUENE	37000	5000	L	3.42E-06	0.029936	0.029935737	5.27E-04	5.27E-05	5.27E-05	0.0%	0.0%	0.0%		C	None	
00156-60-5	DICHLOROETHYLENE, TRANS-	-----	63	M	1.96E-06	0.017202	0.017202203	3.03E-04	3								

					Facility Wide										
CAS NUMBER	CHEMICAL NAME	SGC (µg/m³)	AGC (µg/m³)	Toxicity				Scaled Max Impact (µg/m3)			ERP			Initial	ER
					ERP (lb/hr)	ERP (lb/yr)	annual (lb/yr)	1-hr	Annual-ERP	Annual-Actual	%SGC	%AGC	%AGC	ER	Adjustment
00071-55-6	METHYL CHLOROFORM	9000	5000	L	5.67E-06	0.049676	0.04967597	0.00	0.00	0.00	0.0%	0.0%	0.0%	C	None
00079-34-5	TETRACHLOROETHANE, 1,1,2,2-	----	16	M	7.13E-06	0.062475	0.062474582	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00079-00-5	TRICHLOROETHANE, 1,1,2-	----	1.4	H	5.67E-06	0.049676	0.04967597	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	A	None
00075-34-3	DICHLOROETHANE, 1,1-	----	0.63	L	4.21E-06	0.036877	0.036877357	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	C	None
00075-35-4	VINYLDENE CHLORIDE	----	200	M	4.12E-06	0.036118	0.036118118	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00120-82-1	TRICHLOROBENZENE, 1,2,4-	3700	35	M	7.71E-06	0.067572	0.067572334	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00095-63-6	TRIMETHYLBENZENE, 1,2,4-	----	60	M	5.1E-06	0.044687	0.04468668	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00106-93-4	DIBROMOETHANE, 1, 2	----	0.0017	H	7.99E-06	0.069959	0.069958516	0.00	0.00	0.00	#VALUE!	7.2%	7.2%	A	None
00095-50-1	DICHLOROBENZENE, ORTHO-	30000	200	M	6.25E-06	0.054774	0.054773722	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00107-06-2	DICHLOROETHANE, 1,2-	----	0.038	H	4.21E-06	0.036877	0.036877357	0.00	0.00	0.00	#VALUE!	0.2%	0.2%	A	None
00078-87-5	PROPYLENE DICHLORIDE	----	4	M	4.8E-06	0.042084	0.042083573	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00108-67-8	TRIMETHYLBENZENE, 1,3,5-	----	60	M	5.1E-06	0.044687	0.04468668	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00106-99-0	BUTADIENE, 1,3-	----	0.033	H	2.3E-06	0.020131	0.020130699	0.00	0.00	0.00	#VALUE!	0.1%	0.1%	A	None
00541-73-1	DICHLOROBENZENE, META-	----	10	M	6.25E-06	0.054774	0.054773722	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00106-46-7	DICHLOROBENZENE, PARA-	----	0.091	M	6.25E-06	0.054774	0.054773722	0.00	0.00	0.00	#VALUE!	0.1%	0.1%	B	None
00123-91-1	DIOXANE, 1,4-	3000	0.2	M	3.74E-06	0.032756	0.03275577	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00540-84-1	ISOOCTANE	----	3300	M	4.85E-06	0.042517	0.042517424	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00078-93-3	METHYL ETHYL KETONE	13000	5000	M	7.68E-06	0.067247	0.067246946	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00591-78-6	METHYL BUTYL KETONE	4000	30	O	4.26E-06	0.037311	0.037311209	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00107-05-1	ALLYL CHLORIDE	600	1	M	3.24E-06	0.028417	0.028417258	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00622-96-8	BENZENE,1-ETHYL-4-METHYL-	-	0.1	-	5.1E-06	0.044687	0.04468668	0.00	0.00	0.00	#VALUE!	0.1%	0.1%	B	None
00108-10-1	METHYL ISOBUTYL KETONE	31000	3000	M	1.06E-05	0.093278	0.093278022	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00067-64-1	ACETONE	180000	30000	L	4.79E-05	0.419751	0.419751098	0.01	0.00	0.00	0.0%	0.0%	0.0%	C	None
00071-43-2	BENZENE	27	0.13	H	3.32E-06	0.029068	0.029068035	0.00	0.00	0.00	0.0%	0.0%	0.0%	A	None
00100-44-7	BENZYL CHLORIDE	240	0.02	H	5.37E-06	0.047073	0.047072862	0.00	0.00	0.00	0.0%	0.4%	0.4%	A	None
00075-27-4	BROMODICHLOROMETHANE	----	70	M	6.96E-06	0.060956	0.060956103	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00075-25-2	BROMOFORM	----	0.91	M	1.07E-05	0.094037	0.094037261	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00074-83-9	METHYL BROMIDE	3900	5	M	4.04E-06	0.035359	0.035358878	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00075-15-0	CARBON DISULFIDE	6200	700	M	3.23E-06	0.028309	0.028308795	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00056-23-5	CARBON TETRACHLORIDE	1900	0.17	H	6.54E-06	0.057268	0.057268367	0.00	0.00	0.00	0.0%	0.1%	0.1%	A	None
00108-90-7	CHLOROBENZENE	----	60	M	4.78E-06	0.041867	0.041866647	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00075-00-3	ETHYL CHLORIDE	----	10000	L	2.75E-06	0.024079	0.024078745	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	C	None
00067-66-3	CHLOROFORM	150	14.7	H	5.08E-06	0.04447	0.044469755	0.00	0.00	0.00	0.0%	0.0%	0.0%	A	None
00074-87-3	CHLOROMETHANE	22000	90	M	2.14E-06	0.018786	0.01878576	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00156-59-2	DICHLOROETHYLENE, CIS-	----	63	M	4.12E-06	0.036118	0.036118118	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
10061-01-5	1-PROPENE,1,3-DICHLORO-,(Z)-	-	0.1	-	4.72E-06	0.041324	0.041324333	0.00	0.00	0.00	#VALUE!	0.1%	0.1%	B	None
00110-82-7	CYCLOHEXANE	----	6000	L	3.58E-06	0.031346	0.031345754	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	C	None
00124-48-1	CHLORODIBROMOMETHANE	-	0.1	-	8.85E-06	0.077551	0.077550913	0.00	0.00	0.00	#VALUE!	0.1%	0.1%	B	None
00075-71-8	DICHLORODIFLUOROMETHANE	----	12000	O	8.39E-05	0.735378	0.735377892	0.01	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00064-17-5	ETHANOL	----	45000	L	6.77E-05	0.593292	0.593291604	0.01	0.00	0.00	#VALUE!	0.0%	0.0%	C	None
00141-78-6	ETHYL ACETATE	----	3400	M	9.36E-06	0.081998	0.081997889	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00100-41-4	ETHYLBENZENE	----	1000	M	5.27E-06	0.046205	0.04620516	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00076-13-1	TRICHLOROTRIFLUOROETHANE, 1,1,2-	960000	180000	L	7.96E-06	0.069742	0.069741591	0.00	0.00	0.00	0.0%	0.0%	0.0%	C	None
00076-14-2	DICHLOROTETRAFLUORETHANE	----	17000	O	7.27E-06	0.063668	0.063667673	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00142-82-5	HEPTANE, N-	210000	3900	M	4.26E-06	0.037311	0.037311209	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00087-68-3	HEXACHLOROBUTADIENE	----	0.045	M	1.11E-05	0.097074	0.09707422	0.00	0.00	0.00	#VALUE!	0.4%	0.4%	B	None
00067-63-0	ISOPROPYL ALCOHOL	98000	7000	M	0.000244	2.141056	2.141055988	0.04	0.00	0.00	0.0%	0.0%	0.0%	B	None
01634-04-4	METHYL TERT-BUTYL ETHER	----	3.8	M	3.74E-06	0.032756	0.03275577	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00075-09-2	DICHLOROMETHANE	14000	46	M	9.04E-06	0.079178	0.079177856	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00110-54-3	HEXANE	----	700	M	9.27E-06	0.081239	0.081238649	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
00091-20-3	NAPHTHALENE	7900	3	M	5.45E-06	0.047724	0.047723639	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00095-47-6	XYLENE, ORTHO-	22000	100	M	9.51E-06	0.083299	0.083299443	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
179601-23-1	#N/A	#N/A	#N/A	#N/A	1.74E-05	0.15239	0.152390256	0.00	0.00	0.00	#N/A	#N/A	#N/A	#N/A	#N/A
00100-42-5	STYRENE	17000	1000	M	4.42E-06	0.038721	0.038721225	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00127-18-4	TETRACHLOROETHYLENE	300	3.8	H	3.6E-05	0.315735	0.315735257	0.01	0.00	0.00	0.0%	0.0%	0.0%	A	None
00109-99-9	TETRAHYDROFURAN	30000	350	M	8.91E-06	0.078093	0.078093228	0.00	0.00	0.00	0.0%	0.0%	0.0%	B	None
00108-88-3	TOLUENE	37000	5000	L	2.15E-05	0.188075	0.188074523	0.00	0.00	0.00	0.0%	0.0%	0.0%	C	None
00156-60-5	DICHLOROETHYLENE, TRANS-	----	63	M	4.12E-06	0.036118	0.036118118	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	B	None
10061-02-6	TRANS-1,3-DICHLORO PROPENE	-	0.1	-	4.72E-06	0.041324	0.041324333	0.00	0.00	0.00	#VALUE!	0.1%	0.1%	B	None
00079-01-6	TRICHLOROETHYLENE	20	0.21	H	5.58E-06	0.048917	0.04891673	0.00	0.00	0.00	0.0%	0.0%	0.0%	A	None
00075-69-4	TRICHLOROFLUOROMETHANE	9000	5000	L	0.00021	1.839529	1.839529359	0.03	0.00	0.00	0.0%	0.0%	0.0%	C	None
00593-60-2	VINYL BROMIDE	----	3	H	4.54E-06	0.039806	0.039805853	0.00	0.00	0.00	#VALUE!	0.0%	0.0%	A	None
00075-01-4	VINYL CHLORIDE	180000	0.11	H	2.65E-06	0.023211	0.023211043	0.00	0.00	0.00	0.0%	0.0%	0.0%	A	None

APPENDIX G
SSDS INSPECTION LOGS

SSDS MONITORING INSPECTION FORM Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY			
Inspector Name: S. Grens		Date: 3/5/2024	
Time In: 9:00		Time Out: 15:00	
General			
Weather: Rain	Temperature: 44 deg F	Barometric Pressure:	30.2
1. When was the last rain event? Now.			
2. Is the blower currently operating? Yes <i>If no, please list reason/alarm condition:</i>			
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No			
4. Is air discharging from the exhaust piping to the roof? - Yes			
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No			
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>			
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>			

SSDS MONITORING INSPECTION FORM Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY						
Inspector Name: S. Grens			Date: 3/5/2024			
Time In: 9:00			Time Out: 15:00			
SSDS Operations						
Blower Inlet PID (ppm)						
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Flow Differential Pressure	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Flow Rate ¹ cfm	Notes
MP-01	Incoming Water Room	NA	NA	1.236	NA	
MP-02	West Compactor/Recycle Room	NA	NA	1.245	NA	
MP-03	West Compactor/Recycle Room	NA	NA	1.366	NA	
MP-04	Fire Pump Room	NA	NA	0.87	NA	
MP-05	Garage Storage	NA	NA	1.162	NA	
MP-06	Back of House Vestibule	NA	NA	1.214	NA	
MP-07	Bike Room (west)	NA	NA	1.086	NA	
MP-08	Parking Garage	NA	NA	1.109	NA	
MP-09	Package Room	NA	NA	0.63	NA	
MP-10	Bike Room (east)	NA	NA	1.138	NA	
MP-11	SVE Equipment Room	NA	NA	0.826	NA	
MP-12	East Compactor Room	NA	NA	1.217	NA	
MP-13	West Compactor Room	NA	NA	1.294	NA	
MP-14	Water Service Room / SVE Equipment Room	NA	NA	1.154	NA	
SSDS-N1		-0.16	2.1	NA	93	
SSDS-N2		-0.15	2.4	NA	90	
SSDS-N3		0.02	2.2	NA	33	
SSDS-N4		0.06	2.2	NA	57	
SSDS-N5		0.18	2	NA	98	
SSDS-N6		0.05	2.2	NA	52	
SSDS-N7		0.22	1.9	NA	109	
SSDS-N8	Loading Dock	0.42	2.1	NA	150	
SSDS-N9		0.09	2.2	NA	70	
SSDS-N10		0.38	1.9	NA	143	
SSDS-N11		0.05	2.1	NA	52	
SSDS-N12		0.21	2.1	NA	106	
SSDS-N13		0.19	1.9	NA	101	
SSDS-N14		0.16	1.9	NA	93	
SSDS-N15		0.16	2	NA	93	
SSDS-N16		0.38	1.9	NA	143	
Combined applied vacuum on SSDS-1 riser =		NA	2.4	NA	NA	
Combined applied vacuum on SSDS-2 riser =		NA	2.3	NA	NA	
Notes: 1. Normal system flow rates range from 40 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (SSDS-N1 through SSDS-N16). 2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-12). 3. If observations are confirmed to be outside of this range, inform emergency contacts in SMP and prepare corrective action plan, if necessary. in. of H ₂ O - inches of water NA - not applicable cfm - cubic feet per minute						

SSDS MONITORING INSPECTION FORM Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY		
Inspector Name:	M.Bates	Date: 6/12/2024
Time In:	9:00	Time Out: 17:00
General		
Weather: Sunny	Temperature: 75 deg F	Barometric Pressure: 30.04
1. When was the last rain event? May 30, 2024 (0.41 in)		
2. Is the blower currently operating? Yes		
<i>If no, please list reason/alarm condition:</i>		
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No		
4. Is air discharging from the exhaust piping to the roof? - Yes		
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No		
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes		
<i>If no, list location and contact Project Manager/Project Director.</i>		
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes		
<i>If no, list location and contact Project Manager/Project Director.</i>		

SSDS INSPECTION FORM					
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY					
Inspector Name: M.Bates			Date: 6/12/2024		
Time In: 9:00			Time Out: 17:00		
SSDS Operations					
Blower Inlet PID (ppm)		NA			
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Flow Rate ¹ cfm	Notes
MP-01	Incoming Water Room	NA	1.02	NA	
MP-02	West Compactor/Recycle Room	NA	1.14	NA	
MP-03	West Compactor/Recycle Room	NA	0.96	NA	
MP-04	Fire Pump Room	NA	0.72	NA	
MP-05	Garage Storage	NA	1.04	NA	
MP-06	Back of House Vestibule	NA	1.01	NA	
MP-07	Bike Room (west)	NA	0.92	NA	
MP-08	Parking Garage	NA	1.06	NA	
MP-09	Package Room	NA	0.51	NA	
MP-10	Bike Room (east)	NA	0.97	NA	
MP-11	SVE Equipment Room	NA	0.64	NA	
MP-12	East Compactor Room	NA	0.98	NA	
MP-13	West Compactor Room	NA	0.93	NA	
MP-14	Water Service Room / SVE Equipment Room	NA	0.89	NA	
SSDS-N1		2.0	NA	42	
SSDS-N2		2.0	NA	38	
SSDS-N3		2.2	NA	5.0	
SSDS-N4		2.0	NA	0	Gauge read zero. Will replace during next inspection, if necessary.
SSDS-N5		1.8	NA	33	
SSDS-N6		1.8	NA	36	
SSDS-N7		1.6	NA	32	
SSDS-N8		2.0	NA	30	
SSDS-N9	Loading Dock	2.3	NA	10	
SSDS-N10		2.0	NA	48	
SSDS-N11		2.2	NA	5.0	
SSDS-N12		2.2	NA	34	
SSDS-N13		2.0	NA	34	
SSDS-N14		2.0	NA	22	
SSDS-N15		2.0	NA	30	
SSDS-N16		2.0	NA	52	
Combined applied vacuum on SSDS-1 riser =		2.4	NA	NA	
Combined applied vacuum on SSDS-2 riser =		2.8	NA	NA	
Notes:					
1. Normal system flow rates range from 5 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (SSDS-N1 through SSDS-N16).					
2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-12).					
3. If observations are confirmed to be outside of this range, inform emergency contacts in SMP and prepare corrective action plan, if necessary.					
in. of H ₂ O - inches of water			cfm - cubic feet per minute		

SSDS MONITORING INSPECTION FORM Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY		
Inspector Name: M.Bates		Date: 8/15/2024
Time In: 9:00		Time Out: 0:00
General		
Weather: Sunny	Temperature: 87 deg F	Barometric Pressure: 30
1. When was the last rain event? 8/6/2024		
2. Is the blower currently operating? Yes <i>If no, please list reason/alarm condition:</i>		
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No		
4. Is air discharging from the exhaust piping to the roof? - Yes		
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No		
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>		
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>		

SSDS MONITORING INSPECTION FORM

Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

Inspector Name: Mike Bates

Date: 10/17/24

Time In: 0830

Time Out: 1500

General

Weather: SUNNY

Temperature: 54-57°F

Barometric Pressure: 30.24

1. When was the last rain event? over 2 weeks ago

2. Is the blower currently operating? ☒ Yes

If no, please list reason/alarm condition:

3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - ☒ No

4. Is air discharging from the exhaust piping to the roof? - Yes

5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - ☒ No

6. Were all cleanout/sampling port caps securely attached prior to system testing? - ☒ Yes

If no, list location and contact Project Manager/Project Director.

7. Is the concrete floor slab overlying all of the SSDS piping runs intact? ☒ Yes

If no, list location and contact Project Manager/Project Director.

SSDS MONITORING INSPECTION FORM					
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY					
Inspector Name: <u>Mike Gates</u>			Date: <u>10/17/24</u>		
Time In: <u>0830</u>			Time Out: <u>1500</u>		
SSDS Operations					
Blower Inlet PID (ppm)					
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Flow Rate ¹ cfm	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Notes
MP-01	Incoming Water Room	NA	NA	<u>0.046</u>	<u>-1.143</u>
MP-02	West Compactor/Recycle Room	NA	NA	<u>-1.216</u>	
MP-03	West Compactor/Recycle Room	NA	NA	<u>-1.176</u>	
MP-04	Fire Pump Room	NA	NA	<u>-1.046</u>	
MP-05	Garage Storage	NA	NA		<u>Covered</u>
MP-06	Back of House Vestibule	NA	NA	<u>-1.116</u>	
MP-07	Bike Room (west)	NA	NA	<u>-1.056</u>	
MP-08	Parking Garage	NA	NA		<u>Covered</u>
MP-09	Package Room	NA	NA	<u>-1.043</u>	<u>lit under the door from the street</u>
MP-10	Bike Room (east)	NA	NA	<u>-1.432</u>	
MP-11	SVE Equipment Room	NA	NA	<u>-1.143</u>	
MP-12	East Compactor Room	NA	NA	<u>-1.176</u>	
MP-13	West Compactor Room	NA	NA	<u>-1.113</u>	
MP-14		NA	NA	<u>-1.101</u>	
SSDS-N1	Water Service Room / SVE Equipment Room	<u>30</u>	<u>1.6</u>	NA	
SSDS-N2		<u>30</u>	<u>2</u>	NA	
SSDS-N3		<u>0</u>	<u>3</u>	NA	<u>Gurgling noise</u>
SSDS-N4		<u>0</u>	<u>2.8</u>	NA	<u>still struggling w/ flow</u>
SSDS-N5		<u>32</u>	<u>1.7</u>	NA	
SSDS-N6		<u>30</u>	<u>1.5</u>	NA	
SSDS-N7		<u>32</u>	<u>1.7</u>	NA	
SSDS-N8		<u>32</u>	<u>2</u>	NA	
SSDS-N9	Loading Dock	<u>20</u>	<u>2.3</u>	NA	
SSDS-N10		<u>30</u>	<u>1.4</u>	NA	
SSDS-N11		<u>25</u>	<u>1.7</u>	NA	
SSDS-N12		<u>30</u>	<u>1.8</u>	NA	
SSDS-N13		<u>30</u>	<u>1.8</u>	NA	
SSDS-N14		<u>34</u>	<u>2</u>	NA	
SSDS-N15		<u>30</u>	<u>2</u>	NA	
SSDS-N16		<u>32</u>	<u>1.4</u>	NA	
Combined applied vacuum on SSDS-1 riser =			<u>3</u>	NA	
Combined applied vacuum on SSDS-2 riser =		<u>1</u>	<u>2.3</u>	NA	

Notes:

1. Normal system flow rates range from 40 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H₂O. System readings will be obtained from each riser leg (SSDS-N1 through SSDS-N16).
2. Normal system induced vacuum readings should be a minimum of 0.004 in. H₂O. System readings will be obtained from each monitoring point (MP-01 through MP-12).
3. If observations are confirmed to be outside of this range, inform emergency contacts in SMP and prepare corrective action plan, if necessary.

SSDS MONITORING INSPECTION FORM Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY			
Inspector Name: <u>Mike Bales</u>		Date: <u>1/27/25</u>	
Time In: <u>~~0:00~~ 0900</u>		Time Out: <u>~~0:00~~ 1700</u>	
General			
Weather: Sunny	Temperature: ~~50 deg F~~ <u>30-39°F</u>	Barometric Pressure: <u>30.03</u>	
1. When was the last rain event? <u>1/18/25</u>			
2. Is the blower currently operating? <u>Yes</u>			
<i>If no, please list reason/alarm condition:</i>			
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - <u>No</u>			
4. Is air discharging from the exhaust piping to the roof? <u>Yes</u>			
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - <u>No</u>			
6. Were all cleanout/sampling port caps securely attached prior to system testing? - <u>Yes</u>			
<i>If no, list location and contact Project Manager/Project Director.</i>			
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? <u>Yes</u>			
<i>If no, list location and contact Project Manager/Project Director.</i>			

SSDS MONITORING INSPECTION FORM

Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY

Inspector Name: Mike Bates

Date: 1/27/25

Time In: 8:00-0900

Time Out: 8:00-1700

SSDS Operations

Blower Inlet PID (ppm) NA

Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Differential Pressure	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Flow Rate ¹ cfm	Notes	
MP-01	Incoming Water Room	NA	NA	.760			
MP-02	West Compactor/Recycle Room	NA	NA	.805			
MP-03	West Compactor/Recycle Room	NA	NA			covered	
MP-04	Fire Pump Room	NA	NA	.744			
MP-05	Garage Storage	NA	NA	.821			
MP-06	Back of House Vestibule	NA	NA	.708			
MP-07	Bike Room (west)	NA	NA	.747			
MP-08	Parking Garage	NA	NA	.732			
MP-09	Package Room	NA	NA	.712			
MP-10	Bike Room (east)	NA	NA	.847			
MP-11	SVE Equipment Room	NA	NA	.831			
MP-12	East Compactor Room	NA	NA	.851			
MP-13	West Compactor Room	NA	NA	.881			
MP-14	Water Service Room / SVE Equipment Room	NA	NA				
SSDS-N1		1.3 1.5	.170	NA	44		
SSDS-N2		1.5 1.5	.099	NA	30		
SSDS-N3		1.3 1.8	.005	.008 NA	03		
SSDS-N4		1.5 1.5	.067	NA	30		
SSDS-N5		1.4 1.5	.072	NA	34		
SSDS-N6		1.4 1.5	.078	NA	38		
SSDS-N7		1.4 1.5	.055	NA	34		
SSDS-N8		1.7 1.5	.111	NA	20		
SSDS-N9		Loading Dock	1.5	.10	NA	water in tubing	
SSDS-N10			1.0	.25	NA		
SSDS-N11			1.2	.15	NA		
SSDS-N12			1.3	.30	NA		
SSDS-N13			1.4	.30	NA		
SSDS-N14			1.2	.23	NA		
SSDS-N15			1.4	.08	NA	water in tubing	
SSDS-N16	1		.30	NA			
Combined applied vacuum on SSDS-1 riser =		NA	2.0	NA			
Combined applied vacuum on SSDS-2 riser =		NA	1.0	NA		- water in tubing	

Notes:

- Normal system flow rates range from 40 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H₂O. System readings will be obtained from each riser leg (SSDS-N1 through SSDS-N16).
- Normal system induced vacuum readings should be a minimum of 0.004 in. H₂O. System readings will be obtained from each monitoring point (MP-01 through MP-12).
- If observations are confirmed to be outside of this range, inform emergency contacts in SMP and prepare corrective action plan, if necessary.

SSDS MONITORING INSPECTION FORM			
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY			
Inspector Name: Mike Bates		Date: 4/10/2025	
Time In: 8:30		Time Out: 18:30	
General			
Weather: Rain	Temperature: 47 deg F	Barometric Pressure:	29.78
1. When was the last rain event?		4/7/2025	
2. Is the blower currently operating? Yes <i>If no, please list reason/alarm condition:</i>			
3. Any evidence of system tampering, vandalism or damage in the first floor equipment room? - No			
4. Is air discharging from the exhaust piping to the roof? - Yes			
5. Any evidence of system tampering, vandalism, or damage to the exhaust stack? - No			
6. Were all cleanout/sampling port caps securely attached prior to system testing? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>			
7. Is the concrete floor slab overlying all of the SSDS piping runs intact? - Yes <i>If no, list location and contact Project Manager/Project Director.</i>			

SSDS MONITORING INSPECTION FORM						
Newtown Creek Bud Site - North Block, 2-10 54th Avenue, Queens, NY						
Inspector Name: Mike Bates			Date: 4/10/2025			
Time In: 8:30			Time Out: 18:30			
SSDS Operations						
Blower Inlet PID (ppm)						
Monitoring Point (MP) or Riser Leg (RL) Identification	Location	Differential Pressure	Applied Vacuum ¹ in. H ₂ O	Induced Vacuum ² in. H ₂ O	Flow Rate ¹ cfm	Notes
MP-01	Incoming Water Room	NA	NA	1.197		
MP-02	West Compactor/Recycle Room	NA	NA	1.191		
MP-03	West Compactor/Recycle Room	NA	NA	1.308		
MP-04	Fire Pump Room	NA	NA	1.094		
MP-05	Garage Storage	NA	NA	1.083		
MP-06	Back of House Vestibule	NA	NA	1.091		
MP-07	Bike Room (west)	NA	NA	1.127		
MP-08	Parking Garage	NA	NA	1.003		
MP-09	Package Room	NA	NA	1.013		
MP-10	Bike Room (east)	NA	NA	1.112		
MP-11	SVE Equipment Room	NA	NA	1.132		
MP-12	East Compactor Room	NA	NA	1.081		
MP-13	West Compactor Room	NA	NA	1.136		
MP-14		NA	NA	1.127		
SSDS-N1	Water Service Room / SVE Equipment Room		1.3	NA	46	
SSDS-N2			1.3	NA	30	
SSDS-N3			1.5	NA	7	
SSDS-N4			1.4	NA	37	
SSDS-N5			1.3	NA	36	
SSDS-N6			1.3	NA	40	
SSDS-N7			1.2	NA	34	
SSDS-N8			1.6	NA	20	
SSDS-N9	Loading Dock		2.2	NA	50	
SSDS-N10			1.9	NA	54	
SSDS-N11			2.2	NA	<5	Unable to get flow up even with all other riser legs closed
SSDS-N12			2.1	NA	40	
SSDS-N13			2	NA	40	
SSDS-N14			2	NA	35	
SSDS-N15			1.5	NA	80	
SSDS-N16			1.6	NA	54	
Combined applied vacuum on SSDS-1 riser =		NA	1.2	NA		
Combined applied vacuum on SSDS-2 riser =		NA	2.2	NA		
Variable Frequency Drive setting =		hz				
Notes: 1. Normal system flow rates range from 40 to 100 cfm. Applied vacuum readings range from 1 to 15 in. H ₂ O. System readings will be obtained from each riser leg (SSDS-N1 through SSDS-N16). 2. Normal system induced vacuum readings should be a minimum of 0.004 in. H ₂ O. System readings will be obtained from each monitoring point (MP-01 through MP-12). 3. If observations are confirmed to be outside of this range, inform emergency contacts in SMP and prepare corrective action plan, if necessary. in. of H ₂ O - inches of water NA - not applicable cfm - cubic feet per minute						

APPENDIX H
IC/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 Details

Box 1

Site No. **C241248**

Site Name **Newtown Creek Bud Site - North Block**

Site Address: 2-21 MALT DRIVE Zip Code: 11101

City/Town: Long Island City

County: Queens

Site Acreage: 3.005

Reporting Period: December 30, 2023 to April 30, 2025

YES NO

1. Is the information above correct?

X

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?

X

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

X

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

X

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? Development completed in July 2024 **X**

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?

X

Restricted-Residential Commercial, and Industrial

7. Are all ICs in place and functioning as designed?

X

**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.

Signature of Owner, Remedial Party or Designated Representative

Date

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? **X**

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? **X**
(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. C241248**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control

11-1

Bud North LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

- The property may be used for restricted residential and commercial use;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the NYCDOH 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;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP; and
- 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.

Box 4**Description of Engineering Controls**ParcelEngineering Control

11-1

Groundwater Treatment System
Vapor Mitigation
Cover System
Monitoring Wells
Air Sparging/Soil Vapor Extraction

- Exposure to remaining contamination at the Site is prevented by a cover system placed over the Site;
- An active sub-slab depressurization system (SSDS) was installed to mitigate the potential for sub-slab vapor intrusion into the new building, and;
- Treatment of residual soil vapor contamination beneath the southeastern portion of the Site is performed through the installation and operation of a soil vapor extraction (SVE) system.

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

X

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

X

**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. C241248**

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 Bruce Weill at 387 Park Avenue South, New York, NY 10016
print name print business address

am certifying as Owner / Bud North LLC (Owner or Remedial Party)

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



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

5/7/25

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 Rebecca Kinal, P.E. at 440 Park Avenue South, 7th Floor, New York, NY 10016,
print name print business address

am certifying as a Professional Engineer for Bud North LLC.
(Owner or Remedial Party)



May 8, 2025

Signature of Professional Engineer, for the Owner or
Date Remedial Party, Rendering Certification

Stamp
(Required for PE)