NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Commissioner

July 7, 2025

National Grid
Mike Quinlan
175 East Old Country Road
Hicksville, NY 11801

Re: Groundwater Monitoring Report – December 2024 (Q4) Quarterly Sampling Event
K - Glen Cove (C) MGP, Glen Cove
Nassau County, Site No.: 130089

Dear Mike Quinlan (as the Certifying Party):

The NYSDEC has reviewed and accepts your Groundwater Monitoring Report for the December 2024 (Q4) Quarterly Sampling Event for the subject site submitted on 4/25/2025. Within this report National Grid recommended revising the groundwater sampling requirements outlined in the Site Management Plan. NYSDEC's comments and response to National Grid's recommendations included in this report are provided below.

1. National Grid requested to decrease the groundwater sampling frequency from quarterly to semiannual. The NYSDEC rejects this this request and requires that the sampling schedule continue as outlined in the existing Site Management Plan.

2. National Grid requested to remove submitting the groundwater samples for Delineation Parameters including PCBs, metals, and total cyanide from the sampling plan. The NYSDEC approves this request.

3. The analytical report from Eurofins for the Q4 2024 sampling event was not included in this Groundwater Monitoring Report. Submission of this analytical report will be required for NYSDEC approval of the Periodic Review Report and Certification for the certifying period from 12/5/2024 to 12/5/2025.

If you have any questions, or need additional forms, please contact me at 518-603-3163 or e-mail: tracey.garland@dec.ny.gov.

Sincerely,

Tracey Garland

Tracey Garland
Project Manager
Remedial Bureau C, Section E

EC:
Gerald Pratt, NYSDEC
Matthew O'Neill, GEI (Consultant for National Grid)
Michael Izdebski, NYSDOH

GEI Consultants

Groundwater Monitoring Report
December 2024 (Q4) Quarterly Sampling Event

Glen Cove Former MGP Site

City of Glen Cove, Nassau County, New York
Order on Consent Index No. D1-001098-11
Site No. 1-3-089P

Submitted to:
National Grid USA
175 East Old Country Road
Hicksville, NY 11801

Submitted by:
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April 2025
Project No. 1905774-20.6

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1. Introduction and Site Background

This report presents the December 2024 quarterly groundwater monitoring event results for the Glen Cove Former Manufactured Gas Plant (MGP) site located in Glen Cove, Nassau County, New York (the Site). This report has been prepared in accordance with the requirements of Section 6 of DER-10 (Division of Environmental Remediation) Technical Guidance for Site Investigation and Remediation; the Order on Consent, Index No. D1-0001-98-11 signed by National Grid Corporation (National Grid) and the New York State Department of Environmental Conservation (NYSDEC), and the Remedial Action Plan (RAP), Glen Cove Former Manufactured Gas Plant, Town of Oyster Bay, Nassau County, New York, prepared by GEI Consultants, Inc. DBA GEI Consultants Engineering, Geology, Architecture & Landscape Architecture (GEI), dated March 2010.

The NYSDEC-approved remedy for the Site included two remedial phases. Phase I included the excavation of shallow soil and offsite disposal of accessible MGP-related source material (or "hot spots"). Phase II includes groundwater treatment using oxygen injection technology and the installation of recovery wells to remove mobile non-aqueous phase liquids (NAPL). The current property owner, Long Island Power Authority (LIPA), conducted a facility upgrade which included the installation of underground utilities, foundation, pilings, and associated electric equipment. LIPA's upgrade to this substation was in response to the growing energy demand in the Glen Cove region.

Phase I excavation activities were performed from May 5 through 21, 2011 and included the removal and proper disposal of 3,411 tons of material at depths of up to approximately 17 feet below ground surface (ft bgs). All impacted soils were transported to the **Clean Earth facility** located in Morrisville, Pennsylvania for thermal desorption. An oxygen injection pilot test was conducted on April 27, 2011. Additional excavation of surface soils along the property boundary in the southwest portion of the Site was conducted from July 15 through 18, 2011. Approximately 240 tons of polycyclic aromatic hydrocarbon (PAH)-impacted material was removed to a depth of approximately 2 feet and transported offsite to the **Clean Earth facility** located in Morrisville, Pennsylvania for thermal desorption. A summary report of the soil removal was submitted to the NYSDEC on September 12, 2011. Phase II of the remediation began in February 2012 with the installation of one recovery well. Two additional recovery wells were installed in May 2012. The oxygen injection treatment system was installed between June 2017 and August 2017. The system was tested from September 17, 2017 through November 28, 2017, and several mechanical and power-related issues were resolved. The oxygen system began continuous operation on November 28, 2017.

As part of the long-term monitoring of the remedy, National Grid began quarterly monitoring of the groundwater at the Site in Q1 2010. Groundwater sampling was suspended in 2015 during LIPA substation construction, with NYSDEC approval. Monitoring wells which were abandoned to accommodate the LIPA substation construction project were reinstalled following the completion of the majority of the LIPA construction work. Quarterly sampling resumed in the first quarter of 2018 following the completion of the Phase II field work.

Monitoring was temporarily suspended in Q1 and Q2 2020 in accordance with New York State Executive Order 202.6.

1.1. Site Description and History

The Glen Cove Former MGP Site (1 Stanco Street, Glen Cove, NY) is an inverted L-shaped parcel of approximately 1.59 acres presently occupied by an active electrical substation which services Glen Cove and the surrounding area (Figure 2). The Site is bounded by a health club parking area to the north with the LIRR tracks to the northwest, mixed commercial/residential properties to the south and to the east, and Glen Cove Arterial Highway (Route 107) right-of-way to the west.

Topographically, the Site is a flat depression bounded by approximately 20-foot-high slopes to the north, south, and east. To the west, the property slopes downward approximately 20 feet to Glen Cove Creek, a channelized stream, which eventually discharges to Hempstead Bay. Glen Cove Creek flows in a general south to north direction along the western site property line. The creek exits the property boundary at the northwest corner of the Site through a box culvert that directs flow beneath the Long Island Rail Road (LIRR) tracks. The creek eventually discharges to Mosquito Cove (Hempstead Bay). A site location map is included in Figure 1.

MGP-related activities at the Site began in 1905 under the ownership of the Sea Cliff and Glen Cove Gas Company. The facility's footprint was relatively small and remained unchanged through its operational period, which ended in 1929. Facility structures were located on the northern section of the property, and consisted of a 60,000 cubic foot gas holder, boilers, purifiers, retorts, coal shed, engine room, tar and oil tank, and approximately eight gas tanks. In 1923, Sea Cliff and Glen Cove Gas Company was purchased or merged with the Long Island Lighting Company (LILCO). A 40,000-cubic-foot-high pressure Hortonsphere gas holder was added to the facility in the southwestern portion of the Site in 1925 for gas distribution purposes.

In 1929, LILCO terminated MGP operations and demolished the facility's surface structures sometime, thereafter. Site activities following 1929 consisted solely of natural gas storage in the Hortonsphere gas holder through the 1950s. The Hortonsphere was decommissioned and demolished between 1959 and 1966. A major electrical substation was constructed on the Site in the mid-1960s. In 1998, Brooklyn Union Gas and LILCO merged to form the KeySpan Corporation, at which time the ownership of the substation was transferred to Long Island Power Authority (LIPA). In 2007, National Grid acquired responsibility for the former MGP property through the acquisition of KeySpan Corporation. Currently, the Site is owned by LIPA and operated by Public Service Enterprise Group – Long Island (PSEG-LI) under contract to LIPA.

1.2. Geology

The shallow stratigraphy beneath the Site is comprised of heterogeneous fill and glacial outwash of Upper Pleistocene deposits. The stratigraphic sequence consists of outwash deposits overlain by heterogeneous fill. The heterogeneous fill across most of the Site ranges in thickness from approximately

10 feet throughout most of the former site to 30 feet in the off-site area just north of the Site boundary. The fill composition is primarily poorly sorted and highly permeable sand and gravel with varying percentages of gravel, silt, clay, and coal fragments. The glacial outwash deposits consist mainly of inter-bedded layers of permeable sand and gravel, and less permeable silty sand. The top of the glacial unit was encountered from approximately 10 ft bgs on the central portion of the Site to approximately 32 ft bgs from the top of the railroad embankment. The ground surface elevation of the Site is significantly lower than the top of the railroad embankment, and when factoring in the ground surface elevation difference, the glacial deposits are encountered at similar elevations across the Site and beneath the railroad embankment.

Glen Cove Creek originally occupied a natural stream channel just to the west of the Site before it was channelized along its present route. The natural creek bed is indicated by the alluvial deposits consisting of reworked glacial outwash present along the western boundary of the Site. The alluvial deposits associated with the original stream channel consist of isolated sand and gravelly sand layers encountered in the upper 5 to 10 feet of soils at the western site boundary.

1.3. Hydrogeology

The groundwater beneath the Site is considered part of the regional Upper Glacial aquifer. Regionally, this aquifer is not used for drinking water. Drinking water for Long Island is provided by the deeper Magothy aquifer.

Groundwater elevations of site wells were similar for the shallow and intermediate wells ranging from about 45 to 53 feet above mean sea level (ft-msl). Groundwater elevation contours indicate a consistent general groundwater flow direction to the west-southwest for the shallow zone wells and southwest for the intermediate zone.

The water table surface of the shallow groundwater follows the general topography of the Site sloping from east to west with a hydraulic gradient of 0.021 feet/feet. A uniform hydraulic gradient of about 0.035 feet/foot is present in the intermediate groundwater across the Site. The estimated groundwater seepage flow velocities, assuming an effective porosity of 20 percent, were calculated for the shallow and intermediate aquifer zones as 0.05 and 0.001 feet per day (ft/day), respectively. The potential vertical hydraulic gradients at the well clusters at the Site are less than 0.081 feet.

1.4. Historical Groundwater Monitoring Event Summary

Three groundwater monitoring events were conducted at the Site prior to 2010. Groundwater sample collection and analysis, and NAPL/groundwater measurements were conducted in 2004, 2005, and 2008. Quarterly groundwater sampling was conducted during 2010. Semiannual sampling began in July 2011 after completion of the Phase I remedial excavation. Semiannual sampling was suspended during 2015 during the LIPA substation construction project. The baseline sampling was completed in the first quarter 2016 and quarterly sampling resumed in the first quarter of 2018 following the completion of the Phase II field work. On March 5, 2020, the groundwater sampling criteria was modified with the approval

of NYSDEC based on the results of the quarterly sampling from 2018-2019. Monitoring was temporarily suspended in Q1 and Q2 2020 in accordance with New York State Executive Order 202.6.

2. Groundwater Monitoring Event Summary

Event Dates: December 26 and 31, 2024

Site Phase: Quarterly groundwater monitoring

Location: The location of the Glen Cove Former MGP Site is depicted in Figure 1.

2.1. Post-Remedial Groundwater Monitoring Plan

Groundwater monitoring continues to be performed on a quarterly and annual basis by National Grid to assess the performance of the remedy. The network of monitoring wells has been installed to monitor both up-gradient and down-gradient groundwater conditions at the Site. A total of 26 monitoring wells, piezometers, and recovery wells are currently located at or adjacent to the Site. The location of each of the monitoring wells in the network is included in Figure 2.

Specific wells are sampled on a quarterly or annual basis in accordance with the frequency identified in the Site Management Plan (SMP). Criteria for reductions in groundwater sampling were developed in accordance with Section 6.0 of NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010. The NYSDEC-approved criteria for groundwater monitoring reductions at the Glen Cove Site are summarized in the SMP.

Monitoring wells removed from the sampling program will not be immediately abandoned and therefore may be reintroduced into the sampling program if site conditions change. Monitoring wells that have been removed from the program will be abandoned no sooner than one year following removal from the program. Recommendations for monitoring well abandonments will be submitted to the NYSDEC prior to abandonment.

2.2. Quarterly Groundwater Monitoring Summary

The Q4 2024 groundwater sampling event was performed on December 26 and 31, 2024 and included all accessible wells on the quarterly sampling list as identified below. All monitoring well sampling activities performed by National Grid, in accordance with the SMP, are recorded in a field book and a groundwater sampling log. Other observations (e.g., well integrity, etc.) will be noted on the well sampling log. The well sampling log will serve as the inspection form for the groundwater monitoring well network. Copies of the well sampling logs from Q4 2024 sampling event are included in Appendix A.

Groundwater levels were measured at 26 monitoring wells and piezometers on December 26, 2024. The depth to water and water table elevation data for the shallow and intermediate portions of the aquifer are presented in Table 1. Shallow and intermediate groundwater contours and elevations for the December 2024 sampling event are depicted in Figs. 3 and 4, respectively. The groundwater flow direction was generally to the southwest in the shallow and intermediate zones (Figs. 3 and 4).

Groundwater sampling is conducted using low flow groundwater methods. This includes the use of a low flow pump, water level meter, a water quality meter (YSI® or equivalent), and turbidity meter. Initially groundwater is purged and logged until groundwater parameters are recorded with the water quality and turbidity monitors stabilize. This includes conductivity, turbidity, dissolved oxygen, Oxidation-Reduction Potential (ORP), temperature, water level depth, and dissolved oxygen. Analytical samples are collected once parameters are stable. The groundwater analytical sampling list for each well as of Q4 2024 is provided in Table 2-1 below.

2.2.1. Groundwater Analytical Sample Summary

A total of eight monitoring wells and recovery wells were sampled on December 26 and 31, 2024. Monitoring well GCMW-20I was not sampled in Q4 2024 and will be sampled in Q1 2025. If monitoring wells with measurable thicknesses of NAPL were identified during a sampling event, they would not be sampled. All monitoring wells and recovery wells were sampled for the following analytes:

- Volatile organic compounds (VOCs) and methyl tert-butyl ether (MTBE) via Environmental Protection Agency (EPA) Method 8260.
- Semi-volatile organic compounds (SVOCs) via EPA Method 8270.

In addition, two monitoring wells were also sampled for the following analytes:

- Polychlorinated biphenyls (PCBs) via EPA Method 8082A.
- TAL Metals via EPA Methods 6010D and 7470A.
- Total Cyanide via EPA Method 9012B

Groundwater sampling logs for each well included in the quarterly sampling list are included in Appendix A.

Table 2-1. Summary of Quarterly Groundwater Monitoring Program

Monitoring Well	Property	Sampling Frequency	Sample Parameters
GCMW-08S	Private Property	Quarterly	VOCs & SVOCs
GCMW-09S-R	LIPA	Quarterly	VOCs & SVOCs, Delineation Parameters
GCMW-11S	LIPA	Quarterly	VOCs & SVOCs
GCMW-11I	LIPA	Quarterly	VOCs & SVOCs
GCMW-13I	LIPA	Quarterly	VOCs & SVOCs
GCMW-20S	LIPA	Quarterly	VOCs & SVOCs, Delineation Parameters
GCMW-20I	LIPA	Quarterly	VOCs & SVOCs, Delineation Parameters
GCRW-01	LIPA	Quarterly	VOCs & SVOCs if No DNAPL in Well
GCRW-02	LIPA	Quarterly	VOCs & SVOCs if No DNAPL in Well

Notes: LIPA - Long Island Power Authority
VOCs – Volatile Organic Compounds
SVOCs – Semi-Volatile Organic Compounds
Delineation Parameters include Total Cyanide, Metals, and Polychlorinated Biphenyls (PCBs)

2.2.2. Hydrological Data

Groundwater levels were measured at 26 monitoring wells and piezometers on December 26, 2024. The depth to water and water table elevation data for the shallow and intermediate portions of the aquifer are presented in Table 1. Shallow and intermediate groundwater contours and elevations for the December 2024 sampling event are depicted in Figs. 3 and 4, respectively. The groundwater flow direction was generally to the southwest in the shallow and intermediate zones (Figs. 3 and 4).

The average calculated shallow hydraulic gradient was 0.021 feet/foot. The average calculated intermediate hydraulic gradient was 0.035 feet/foot.

2.2.3. NAPL Gauging

All existing wells in the groundwater monitoring network and the three recovery wells are gauged for the presence of NAPL during each groundwater monitoring event. The three recovery wells are located downgradient of the substation (Figure 2). Recovery well GCRW-01 was installed in Q1 2012 and recovery wells GCRW-02 and GCRW-03 were installed in Q2 2012.

Historically, dense non-aqueous phase liquid (DNAPL) has only been present in GCMW-13S. DNAPL was measured in GCMW-13S at a thickness of 0.74 feet in June 2005 and had been steadily decreasing to the thickness of 0.3 feet, in July 2011, prior to the increasing in the two 2012 sampling events. The measured thicknesses during these events were 0.65 and 0.70 feet, respectively. The DNAPL thickness in GCMW-13S decreased during the January 2013 event to 0.40 feet and decreased again in the July 2013 event to 0.30 feet. Monitoring well GCMW-13S was destroyed during PSEG-LI construction activities in 2015. NAPL was not observed in any of the 26 existing wells since 2015.

2.3. Groundwater Results Analysis

The analytical results for all sampling conducted during the reporting period are included on Table 2. Detections of individual compounds above the AWQS for Class GA groundwater during the reporting period are also included on Figure 7. Time series plots depicting the total BTEX, and total PAHs are presented in Appendix B for all wells sampled during this reporting period. The time series plots also denote the period of the Phase I excavation and the period of groundwater treatment at the Site. The laboratory analytical reports are included in Appendix C.

2.3.1. VOC Trend Analysis

VOC detections above the AWQS for Class GA groundwater during the reporting period were limited to benzene, ethylbenzene and xylene.

Concentrations of benzene, toluene, ethylbenzene and xylene (BTEX) compounds have generally decreased across the Site since the completion of the excavation and with the implementation of the

groundwater treatment system. Individual BTEX compound concentrations above the AWQS were identified in three of the wells with detections including GCMW-09S-R, GCMW-11I and GCRW-02.

- Benzene was detected above the AWQS in the samples from GCMW-09SR and GCMW-11I collected in Q4 2024.
- Ethylbenzene and total xylenes were detected above the AWQS in the samples from GCMW-09SR and GCRW-02 collected in Q4 2024.
- The detections of Ethylbenzene and total xylenes at GCRW-02 have decreased since the Q3 2024 sampling event. BTEX impacts at GCRW-02 appear to be seasonal as they have increased in during Q3 2022, Q2 2023, Q3 2023, Q2 2024 and decreased during the winter and spring sampling events in Q4 2022, Q1 2023, Q4 2023, Q1 2024, Q2 2024 and Q4 2024.

2.3.2. SVOC Trend Analysis

SVOC detections above the AWQS for Class GA groundwater during the reporting period were limited to PAHs. Concentrations of total PAHs have generally decreased across the Site since the completion of the excavation and with the implementation of the groundwater treatment system. Historic fluctuations in total PAH concentrations are evident at several wells including GCMW-08S, GCMW-09S-R, GCMW-11I, GCMW-11S, and GCMW-20S. However, the overall total PAH concentration trend for each of these wells is decreasing with the exception of the Q4 2023 sampling event at GCMW-13I. The total PAH concentrations at GCMW-13I have returned to within historic ranges in the last 4 quarters. Concentrations of individual PAHs were detected above the AWQS during the reporting period in three of the wells including GCMW-09SR, GCMW-11I, and GCRW-01.

- The concentrations of PAH compounds detected above the AWQS at GCMW-09S-R, GCMW-11I, and GCRW-01 remained relatively stable with the majority being at, or near, the historic detections.
- Acenaphthene was detected above the AWQS in the samples from GCMW-09S-R and GCRW-01 collected in Q4 2024. The concentrations were similar to historic concentrations at these wells.
- Naphthalene was detected above the AWQS in the sample from GCMW-09S-R and GCMW-11I collected in Q4 2024. The concentrations in GCMW-09SR are consistent with historical concentrations. Concentrations from GCMW-11I appear to be seasonal as they are similar to the increased concentrations detected at this well in Q4 2023. No other PAH compounds were detected above the AWQS at GCMW-11I during the reporting period.
- Phenanthrene was detected above the AWQS in the sample from GCMW-09S-R collected in Q4 2024. The concentration was similar to historic concentrations at this well.

2.3.3. Delineation Parameters Analysis

PCBs, total metals, and total cyanide were analyzed in two of the eight wells analyzed during the sampling event. Analyzing samples for PCBs, total metals, and total cyanide began during the baseline groundwater sampling event in 2016.

PCB concentrations were not detected in any sample. This is consistent with the 2016 baseline groundwater sampling results.

Total metals concentrations were detected above the AWQS for antimony, chromium, iron, lead, manganese, and sodium some of which are naturally occurring.

Total cyanide was detected in the samples from monitoring wells GCMW-09S-R and GCMW-20S at a concentration below the AWQS and remained within the historical concentration range.

2.3.4. NAPL Gauging

All of the existing wells in the groundwater monitoring network and the three recovery wells were gauged for the presence of NAPL during the groundwater monitoring event. NAPL gauging was conducted using an interface probe to measure the depth to water level, the depth to NAPL, and depth to bottom of the well. The three recovery wells are located downgradient of the existing substation (Figure 2) and the location of destroyed monitoring well GCMW-13S where NAPL was observed historically. No NAPL was observed in any wells during the quarterly monitoring event.

2.3.5. Monitoring Deficiencies

All groundwater monitoring events complied to the scope of the SMP.

3. Operation & Maintenance (O&M) Summary

3.1. Oxygen Injection System

3.1.1. Program Scope and Purpose

An oxygen injection system started operation in November 2017 and is currently in operation at the Site. The oxygen injection system generates and injects oxygen into the subsurface to create an aerobic environment which facilitates the bioremediation of the dissolved MGP-related contaminants.

The Oxygen Injection System continues to operate at the Site to create an aerobic environment which facilitates the bioremediation of the dissolved MGP-related impacts.

3.1.2. Current Monitoring Activities

The oxygen injection system monitoring activities are summarized in Table 3-1. The system is operating within the design parameters.

Table 3-1. Summary of Oxygen Injection System OM&M Activity

Current Activity	Description	Frequency
Oxygen System Monitoring	Routine inspection and maintenance of the system components, monitoring of operational parameters, and recording/adjusting of the injection flow rates.	Monthly
	Monitoring of oxygen purity.	Monthly
Performance Monitoring of Oxygen Injection Systems	Monitoring of total BTEX and total PAH concentrations in groundwater at upgradient and downgradient wells.	Quarterly
	Monitoring of groundwater chemistry parameters.	Quarterly

3.1.3. Oxygen Injection System OM&M Data

3.1.3.1. System Operational Data

The oxygen injection system operational data for Q4 2024 can be viewed in Table 3

4. Recommendations

4.1. Quarterly Monitoring Well Sampling

Monitoring wells which meet the AWQS for individual BTEX and PAH compounds for 4 consecutive quarters can be reduced to annual sampling. No wells currently within the quarterly sampling program with analytical results have met the NYSDEC-approved sampling criteria for 4 consecutive quarters.

The following quarterly monitoring wells had detections of individual BTEX compounds or PAHs in at least one of the last four consecutive groundwater sampling events which exceed the AWQS and will remain in the quarterly sampling program:

- GCMW-08S
- GCMW-09S-R
- GCMW-11S
- GCMW-11I
- GCMW-13I
- GCMW-20S
- GCMW-20I
- GCRW-01
- GCRW-02

The current monitoring frequency is presented on Table 4.

4.2. NAPL Gauging

Three recovery wells were installed on Site (GCRW-01, GCRW-02, and GCRW-03). All three wells were installed at a depth of 30 feet bgs with 5-foot sumps. NAPL has not been detected in any of the recovery wells or any other existing wells at the Site.

4.3. Recommendations

National Grid is recommending revision to the groundwater sampling requirements outlined in the Site Management Plan. National Grid would like to modify the frequency of sampling from quarterly to semiannual. In addition, National Grid would like to modify the analytical list to MGP constituents BTEX via EPA Method 8260D and PAHs via EPA Method 8270E. Delineation parameters would no longer be analyzed.

The current groundwater sampling program at the Site consists of sampling nine monitoring wells, piezometers, and recovery wells on a quarterly basis. The baseline sampling was completed in the first quarter 2016 and quarterly sampling resumed in the first quarter of 2018 following the installation of the oxygen injection treatment system.

The monitoring results indicate that following the implementation of remedial activities, including source area excavations and the oxygen injection system, concentrations of the contaminants of concern (COCs), primarily BTEX and PAHs, in groundwater have been significantly reduced.

The following proposed criteria for reductions in groundwater sampling at the Glen Cove former MGP Site has been developed in accordance with Section 6.0 of NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010. The proposed criteria for the groundwater monitoring program for the Glen Cove Site is summarized as follows:

- Monitoring wells which meet the AWQS for individual BTEX and PAH compounds for four consecutive events can be reduced to annual sampling.
- For compounds with standards less than the analytical detection limits, individual BTEX or PAH compound concentrations must be reduced below detection limits for two consecutive semi-annual events before annual sampling can be instituted.
- Annual sampling will be terminated at these wells after two consecutive years of meeting the above criteria.
- Semi-annual sampling will resume at any well where concentrations greater than 50 µg/L of total BTEX or total PAHs are detected in annual sampling.

The following groundwater monitoring wells will be sampled on a semi-annual basis, until they meet the proposed reduction criteria to sampling on an annual basis:

- GCMW-08S
- GCMW-09S-R
- GCMW-11S
- GCMW-11I
- GCMW-13I
- GCMW-20S
- GCMW-20I
- GCRW-01
- GCRW-02

The current program includes quarterly reporting. The reporting frequency will be reduced to the annual Periodic Review Report..

Upon NYSDEC approval of this revision to groundwater sampling program, the SMP will be modified to reflect these changes prior to final submittal.

Tables

Table 1. Water Level Measurements and Calculated Groundwater Elevations
Groundwater Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

Well ID	Well Elevation[1] (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)
PZ-05	58.15	9.07	49.08
PZ-06	56.94	5.50	51.44
GCMW-08S	76.37	27.07	49.30
GCMW-08D	76.59	23.33	53.26
GCMW-09S-R	54.59	9.60	44.99
GCMW-09I-R	54.40	8.95	45.45
GCMW-10S-R	53.88	9.10	44.78
GCMW-10I-R	54.00	8.75	45.25
GCMW-11S	54.36	7.03	47.33
GCMW-11I	55.45	5.56	49.89
GCMW-12S	61.65	12.90	48.75
GCMW-13S[2]	NM	NM	NM
GCMW-13I	55.51	9.54	45.97
GCMW-14S-R	54.5	9.35	45.15
GCMW-14I-R	54.40	8.76	45.64
GCMW-15	NM[3]	5.62	NC[3]
GCMW-16	NM[3]	5.21	NC[3]
GCMW-20S	54.24	9.46	44.78
GCMW-20I	53.95	8.80	45.15
GCMW-20I2	54.52	7.85	46.67
GCMW-21I	76.68	30.41	46.27
GCMW-21I2	76.47	29.73	46.74
GCMW-22I	54.68	9.10	45.58
GCMW-22I2	54.56	9.35	45.21
GCRW-01	54.78	9.60	45.18
GCRW-02	54.17	9.11	45.06
GCRW-03	54.52	9.39	45.13

Notes:
bgs - Below Ground Surface
[1]- Well Elevations Obtained From 2015 Site Survey
[2]- Destroyed
[3]- Well elevation has not been surveyed
[4]- Well could not be located
MSL - Mean Sea Level
NM - Not Measured
NC - Not Calculated

Table 2. Groundwater Analysis Results
Quarterly Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

Analyte	Units	CAS No.	NYS AWQS	Location Name	GCMW-08S	GCMW-09SR	GCMW-09SR	GCMW-11S	GCMW-11I	GCMW-13I	GCMW-20S	GCRW-01	GCRW-02
				Sample Name	GCMW-08S	GCMW-09S-R	DUP-01	GCMW-11S	GCMW-11I	GCMW-13I	GCMW-20S	GCRW-01	GCRW-02
				Start Depth	26	8	8	8	23	25	9	15	15
				End Depth	36	18	18	20	28	30	19	25	25
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	12/31/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024
				Parent Sample			GCMW-09S-R						
BTEX	ug/L												
Benzene		71-43-2	1		1 U	**2.3**	**2.4**	1 U	**2.2**	1 U	1 U	1 U	**0.61 J**
Toluene		108-88-3	5		1 U	**1.9**	**1.9**	1 U	1 U	1 U	1 U	1 U	**2.6**
Ethylbenzene		100-41-4	5		1 U	**43**	**47**	**0.89 J**	1 U	1 U	1 U	**0.4 J**	**66**
Total Xylene		1330-20-7	5		2 U	**40**	**43**	**2.2**	2 U	**1.7 J**	2 U	**0.89 J**	**29**
Total BTEX (ND=0)		TBTEX_ND0	NE		ND	**87.2**	**94.3**	**3.09**	**2.2**	**1.7**	ND	**1.29**	**98.21**
Other VOCs	ug/L												
Acetone		67-64-1	50*		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane		75-27-4	50*		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform		75-25-2	50*		1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Bromomethane		74-83-9	5		1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide		75-15-0	60*		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride		56-23-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene		108-90-7	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane		75-00-3	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform (Trichloromethane)		67-66-3	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane		74-87-3	5		1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Dibromochloromethane		124-48-1	50*		1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-Dichloroethane		75-34-3	5		1 U	**0.74 J**	**0.76 J**	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane		107-06-2	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene		75-35-4	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total 1,2-Dichloroethene		540-59-0	NE		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane		78-87-5	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene		10061-01-5	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene		10061-02-6	0.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone		591-78-6	50*		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)		78-93-3	50*		5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Methyl tert-butyl ether (MTBE)		1634-04-4	10*		1 U	1 U	1 U	1 U	**9.4**	1 U	1 U	1 U	**0.95 J**
4-Methyl-2-pentanone (MIBK)		108-10-1	NE		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride		75-09-2	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene		100-42-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane		79-34-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)		127-18-4	5		1 U	1 U	1 U	1 U	**0.7 J**	**2.2**	1 U	1 U	1 U
1,1,1-Trichloroethane (TCA)		71-55-6	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane		79-00-5	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (TCE)		79-01-6	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.61 J**	1 U
Vinyl chloride		75-01-4	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total VOCs (ND=0)		TVOC_ND0	NE		0	**87.94**	**95.06**	**3.09**	**12.3**	**3.9**	0	**1.9**	**99.16**

Table 2. Groundwater Analysis Results
Quarterly Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

			Location Name	GCMW-08S	GCMW-09SR	GCMW-09SR	GCMW-11S	GCMW-11I	GCMW-13I	GCMW-20S	GCRW-01	GCRW-02
			Sample Name	GCMW-08S	GCMW-09S-R	DUP-01	GCMW-11S	GCMW-11I	GCMW-13I	GCMW-20S	GCRW-01	GCRW-02
			Start Depth	26	8	8	8	23	25	9	15	15
			End Depth	36	18	18	20	28	30	19	25	25
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	12/31/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024
			Parent Sample			GCMW-09S-R						
Analyte	**Units**	**CAS No.**	**NYS AWQS**									
PAH17	ug/L											
Acenaphthene		83-32-9	20*	**8.4 J**	**120 J**	**110**	**1.3 J**	**1.5 J**	10 U	10 U	**47**	**7.7 J**
Acenaphthylene		208-96-8	NE	**4.2 J**	**2.9 J**	**2.6 J**	10 U	**2.2 J**	10 U	10 U	**2.2 J**	10 U
Anthracene		120-12-7	50*	**4.7 J**	**8.2 J**	**6.2 J**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	**5.4 J**	**4.5 J**	**3.2 J**	10 U	10 U	10 U	10 U	**1.7 J**	10 U
Fluorene		86-73-7	50*	**4.2 J**	**46 J**	**40**	10 U	10 U	10 U	10 U	**5 J**	**2.4 J**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	**28 J**	**22**	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	**330**	**290**	2 U	**51**	2 U	2 U	2 U	**1.5 J**
Phenanthrene		85-01-8	50*	**45**	**57 J**	**43**	10 U	**1.7 J**	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	**5.3 J**	**4.8 J**	**3.3 J**	10 U	10 U	10 U	10 U	**2 J**	10 U
Total PAH (17) (ND=0)		TPAH17_ND0	NE	**77.2**	**601.4**	**520.3**	**1.3**	**56.4**	ND	ND	**57.9**	**11.6**
PAH17 Other SVOCs	ug/L											
Bis(2-chloroethoxy)methane		111-91-1	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether		111-44-4	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,2-oxybis(1-Chloropropane)		108-60-1	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate		117-81-7	5	2 UJ	**1.9 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Bromophenyl phenyl ether		101-55-3	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butyl benzyl phthalate		85-68-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole		86-74-8	NE	10 U	**2.4 J**	**2.1 J**	10 U	**0.81 J**	10 U	10 U	10 U	**1.2 J**
4-Chloro-3-methylphenol		59-50-7	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline		106-47-8	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene		91-58-7	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol		95-57-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether		7005-72-3	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran		132-64-9	NE	**3.1 J**	**9.4 J**	**8.1 J**	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene (o-DCB)		95-50-1	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene (m-DCB)		541-73-1	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene (p-DCB)		106-46-7	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine		91-94-1	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol		120-83-2	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2. Groundwater Analysis Results
Quarterly Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

			Location Name	GCMW-08S	GCMW-09SR	GCMW-09SR	GCMW-11S	GCMW-11I	GCMW-13I	GCMW-20S	GCRW-01	GCRW-02
			Sample Name	GCMW-08S	GCMW-09S-R	DUP-01	GCMW-11S	GCMW-11I	GCMW-13I	GCMW-20S	GCRW-01	GCRW-02
			Start Depth	26	8	8	8	23	25	9	15	15
			End Depth	36	18	18	20	28	30	19	25	25
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	12/31/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024
			Parent Sample			GCMW-09S-R						
Analyte	**Units**	**CAS No.**	**NYS AWQS**									
Diethyl phthalate		84-66-2	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate		131-11-3	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol		105-67-9	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate		84-74-2	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol		534-52-1	NE	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrophenol		51-28-5	10*	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
2,4-Dinitrotoluene		121-14-2	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene		606-20-2	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Di-n-octyl phthalate		117-84-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene		118-74-1	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Hexachlorobutadiene (C-46)		87-68-3	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene		77-47-4	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane		67-72-1	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Isophorone		78-59-1	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene		91-57-6	NE	10 U	**28 J**	**22**	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-Cresol)		95-48-7	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (p-Cresol)		106-44-5	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline		88-74-4	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline		99-09-2	5	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline		100-01-6	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene		98-95-3	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol		88-75-5	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol		100-02-7	NE	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
N-Nitrosodiphenylamine (NDFA)		86-30-6	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodi-n-propylamine (NDPA)		621-64-7	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol		87-86-5	1	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Phenol		108-95-2	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene		120-82-1	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol		95-95-4	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol		88-06-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total SVOCs (ND=0)		TSVOC_ND0	NE	**80.3**	**615.1**	**530.5**	**1.3**	**57.21**	ND	ND	**57.9**	**12.8**
PCB Aroclors	ug/L											
Aroclor 1016		12674-11-2	NE		0.4 U	0.4 U				0.4 U		
Aroclor 1221		11104-28-2	NE		0.4 U	0.4 U				0.4 U		
Aroclor 1232		11141-16-5	NE		0.4 U	0.4 U				0.4 U		
Aroclor 1242		53469-21-9	NE		0.4 U	0.4 U				0.4 U		
Aroclor 1248		12672-29-6	NE		0.4 U	0.4 U				0.4 U		
Aroclor 1254		11097-69-1	NE		0.4 U	0.4 U				0.4 U		

Table 2. Groundwater Analysis Results
Quarterly Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

Analyte	Units	CAS No.	NYS AWQS									
Location Name				GCMW-08S	GCMW-09SR	GCMW-09SR	GCMW-11S	GCMW-11I	GCMW-13I	GCMW-20S	GCRW-01	GCRW-02
Sample Name				GCMW-08S	GCMW-09S-R	DUP-01	GCMW-11S	GCMW-11I	GCMW-13I	GCMW-20S	GCRW-01	GCRW-02
Start Depth				26	8	8	8	23	25	9	15	15
End Depth				36	18	18	20	28	30	19	25	25
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				12/31/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024	12/26/2024
Parent Sample						GCMW-09S-R						
Aroclor 1260		11096-82-5	NE		0.4 U	0.4 U				0.4 U		
Aroclor 1262		37324-23-5	NE		0.4 U	0.4 U				0.4 U		
Aroclor 1268		11100-14-4	NE		0.4 U	0.4 U				0.4 U		
Total PCBs (Lab calculated)		1336-36-3	0.09		0.4 U	0.4 U				0.4 U		
Total PCB Aroclors (ND=0)		TPCB-AR_ND0	0.09		ND	ND				ND		
Total Metals	ug/L											
Aluminum		7429-90-5	NE		**37.8 J**	**69.8**				**20700**		
Antimony		7440-36-0	3		2 U	2 U				**34.7**		
Arsenic		7440-38-2	25		**7.5**	**7.5**				**13.3**		
Barium		7440-39-3	1000		**100**	**102**				**357**		
Beryllium		7440-41-7	3*		0.8 U	0.8 U				**1.3**		
Cadmium		7440-43-9	5		2 U	2 U				**1.7 J**		
Calcium		7440-70-2	NE		**69700**	**71200**				**116000**		
Chromium		7440-47-3	50		4 U	4 U				**52.6**		
Cobalt		7440-48-4	NE		**0.7 J**	**0.7 J**				**20.4**		
Copper		7440-50-8	200		4 U	4 U				**68**		
Iron		7439-89-6	300		**12700**	**12400**				**45000**		
Lead		7439-92-1	25		1.2 U	1.2 U				**67.2**		
Magnesium		7439-95-4	35000*		**12800**	**12600**				**32100**		
Manganese		7439-96-5	300		**4300**	**3950**				**3660**		
Mercury		7439-97-6	0.7		0.2 U	0.2 U				**0.23**		
Nickel		7440-02-0	100		4 U	4 U				**43.1**		
Potassium		7440-09-7	NE		**4310**	**4070**				**10700**		
Selenium		7782-49-2	10		2.5 U	2.5 U				**8.4**		
Silver		7440-22-4	50		2 U	2 U				2 U		
Sodium		7440-23-5	20000		**11300**	**11000**				**39700**		
Thallium		7440-28-0	0.5*		0.8 U	0.8 U				0.8 U		
Vanadium		7440-62-2	NE		4 U	4 U				**53.2**		
Zinc		7440-66-6	2000*		**4.2 J**	16 U				**346**		
Cyanides	ug/L											
Total Cyanide		57-12-5	200		**43.9 J**	**46.8**				**6.6 J**		

Table 2. Groundwater Analysis Results
Quarterly Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

Notes:
Analytes in blue are not detected in any sample
ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
PAH = Polycyclic Aromatic Hydrocarbon
PCB = Polychlorinated Biphenyl
SVOC = Semi-Volatile Organic Compound
VOC = Volatile Organic Compound

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater
* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number
MGP = Manufactured Gas Plant
ND = Not Detected
NE = Not Established

Bolding indicates a detected result concentration
Gray shading and bolding indicates that the detected result value exceeds the NYS AWQS

Validation Qualifiers:
J = The result is an estimated value.
U = The result was not detected above the reporting limit.
UJ = The results was not detected at or above the reporting limit shown and the reporting limit is estimated.

Table 3. Oxygen Injection System Operational Data
Periodic Review Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

Weight of Oxygen Injected through Q3 2024: 117,067.47 lbs

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Oct-24	31	1,244
Month 2	Nov-24	30	1,661
Month 3	Dec-24	31	1,782
Total Operational Days in Q4 2024			92
Total Oxygen in Q4 2024 (lbs)			4,687.16
Running Total for Oxygen Through Q4 2024 (lbs)			**121,754.63**

			October 2024 System Check						November 2024 System Check						December 2024 System Check					
			10/29/2024						11/19/2024						12/23/2024					
	O_2%		82.3						81.7						78.2					
	R		10.73						10.73						10.73					
	Temp R (T)		636						634						631					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 01I	34	10	13.503	27.007	15.0	29.7	0.097	10	13.503	27.007	15.0	29.7	0.096	10	13.617	27.233	15.5	30.2	0.095
	Point 02S	21	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000
	Point 02I	34	10	13.389	26.779	14.5	29.2	0.094	36	48.612	97.224	15.0	29.7	0.347	10	13.617	27.233	15.5	30.2	0.095
	Point 03S	21	19	25.000	50.000	13.5	28.2	0.170	20	26.316	52.632	13.5	28.2	0.178	20	26.779	53.557	14.5	29.2	0.181
	Point 03I	34	10	13.503	27.007	15.0	29.7	0.097	10	13.503	27.007	15.0	29.7	0.096	10	13.617	27.233	15.5	30.2	0.095
	Point 04S	21	31	0.000	0.000	8.5	23.2	0.000	30	0.000	0.000	8.5	23.2	0.000	30	36.943	73.886	10.0	24.7	0.211
	Point 04I	34	13	15.681	31.363	9.0	23.7	0.090	14	16.888	33.775	9.0	23.7	0.096	20	24.629	49.258	10.0	24.7	0.141
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**17.518**						**26.043**						**26.141**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 05S	21	25	29.513	59.027	8.0	22.7	0.162	28	32.689	65.378	7.5	22.2	0.174	30	35.416	70.832	8.0	22.7	0.186
	Point 05I	34	10	12.314	24.629	10.0	24.7	0.073	10	12.314	24.629	10.0	24.7	0.073	10	12.314	24.629	10.0	24.7	0.070
	Point 06S	21	10	12.189	24.378	9.5	24.2	0.071	10	12.189	24.378	9.5	24.2	0.071	10	12.189	24.378	9.5	24.2	0.068
	Point 06I	34	10	12.189	24.378	9.5	24.2	0.071	10	12.189	24.378	9.5	24.2	0.071	10	12.189	24.378	9.5	24.2	0.068
	Point 07S	21	32	0.000	0.000	3.5	18.2	0.000	30	0.000	0.000	3.5	18.2	0.000	30	31.712	63.424	3.5	18.2	0.133
	Point 07I	34	10	11.805	23.611	8.0	22.7	0.065	40	47.221	94.443	8.0	22.7	0.257	32	37.777	75.554	8.0	22.7	0.198
	Point 08S	21	32	36.936	73.871	7.0	21.7	0.193	32	37.359	74.717	7.5	22.2	0.199	30	35.416	70.832	8.0	22.7	0.186
	Point 08I	34	10	12.189	24.378	9.5	24.2	0.071	10	12.189	24.378	9.5	24.2	0.071	10	12.314	24.629	10.0	24.7	0.070
Total Oxygen Injected Per Day (lb)			**22.603**						**29.331**						**31.348**					
System Total Per Day (lb)			**40.12**						**55.37**						**57.49**					

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)

System Operating Specs
Total of 2 injection banks
Oxygen is injected for 10 minutes during each injection cycle
Each Injection bank operates for 12 injection cycles per day
Each injection point injects oxygen for 120 min per day (10 min per cycle * 12 cycles)

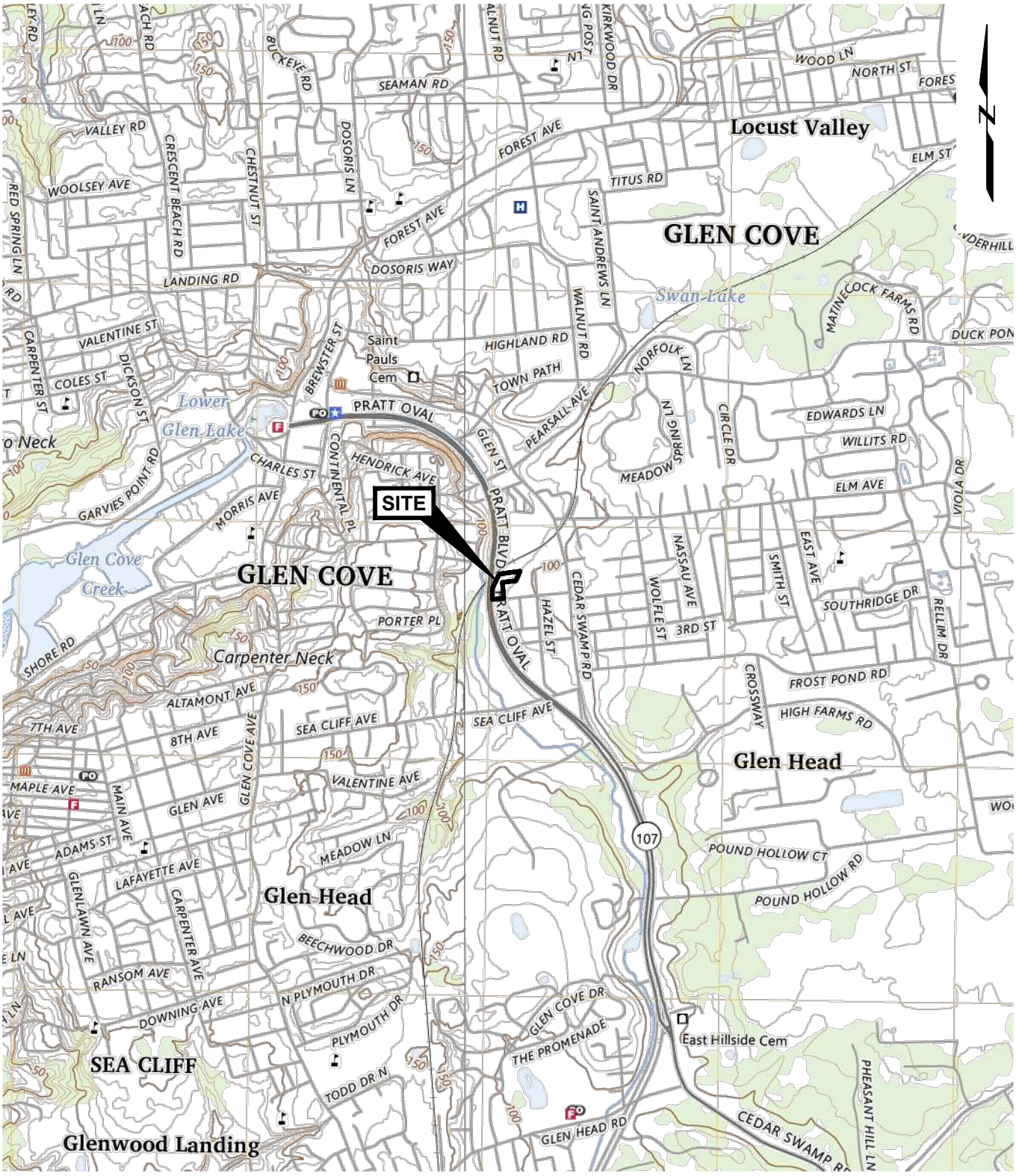
Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 710AM
System is recharging 710AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 810AM
System is recharging 810AM to 900AM
(Keep repeating cycle for course of day)

Table 4. Monitoring Well Sampling Frequency Reductions
Quarterly Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

Well ID	Current Sampling Frequency	Initial Sampling Frequency in ISMP	Date Moved to Annual Sampling	Reason for Reduced Sampling Frequency	Date Removed from Sampling Program	Reason for Reduced Sampling Frequency	Date Returned to Quarterly Sampling	Reason for Increased Sampling
GCMW-08S	Quarterly	Quarterly						
GCMW-09SR	Quarterly	Quarterly						
GCMW-11S	Quarterly	Quarterly						
GCMW-11I	Quarterly	Quarterly						
GCMW-13I	Quarterly	Quarterly	Q2 2021	Met Criteria for 4 Quarters			Q3 2023	Q2 2023 Exceeded Criteria
GCMW-20S	Quarterly	Quarterly						
GCMW-20I	Quarterly	Quarterly	Q2 2022	Met Criteria for 4 Quarters			Q3 2024	Q3 2024 Exceeded Criteria
GCRW-01	Quarterly	Quarterly						
GCRW-02	Quarterly	Quarterly	Q3 2020	Met Criteria for 4 Quarters			Q3 2022	Q2 2022 Exceeded Criteria
GCMW-08D	Not Sampled	Quarterly	Q3 2020	Met Criteria for 4 Quarters	Q3 2022	Met Criteria for 2 Annual Events		
GCMW-09IR	Not Sampled	Quarterly	Q3 2020	Met Criteria for 4 Quarters	Q3 2023	Met Criteria for 2 Annual Events		
GCMW-12S	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-10IR	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-10SR	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-14IR	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-14SR	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-15	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-16	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-20I2	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-21I	Not Sampled	Quarterly	Q3 2022	Met Criteria for 4 Quarters	Q3 2024	Met Criteria for 2 Annual Events		
GCMW-21I2	Not Sampled	Quarterly	Q4 2021	Met Criteria for 4 Quarters	Q3 2023	Met Criteria for 2 Annual Events		
GCMW-22I	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCMW-22I2	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
GCRW-03	Not Sampled	Quarterly	Q3 2020	Met Criteria for 4 Quarters	Q3 2022	Met Criteria for 2 Annual Events		
PZ-05	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		
PZ-06	Not Sampled	Quarterly			Q3 2020	All Samples Pre Q3 2020 Met Criteria		

Notes:
Sample reduction criteria requires meeting Ambient Water Quality Standards for individual Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) and Polycyclic aromatic hydrocarbons (PAH) compounds
Items in bold indicate a recommended change based on current quarterly groundwater sampling results

Figures



SOURCES:

MAP CREATED WITH THE FOLLOWING 7.5-MINUTE USGS TOPOGRAPHIC MAPS: BAYVILLE, HICKSVILLE, MAMARONECK, AND SEA CLIFF, NY, 2023.

Groundwater Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

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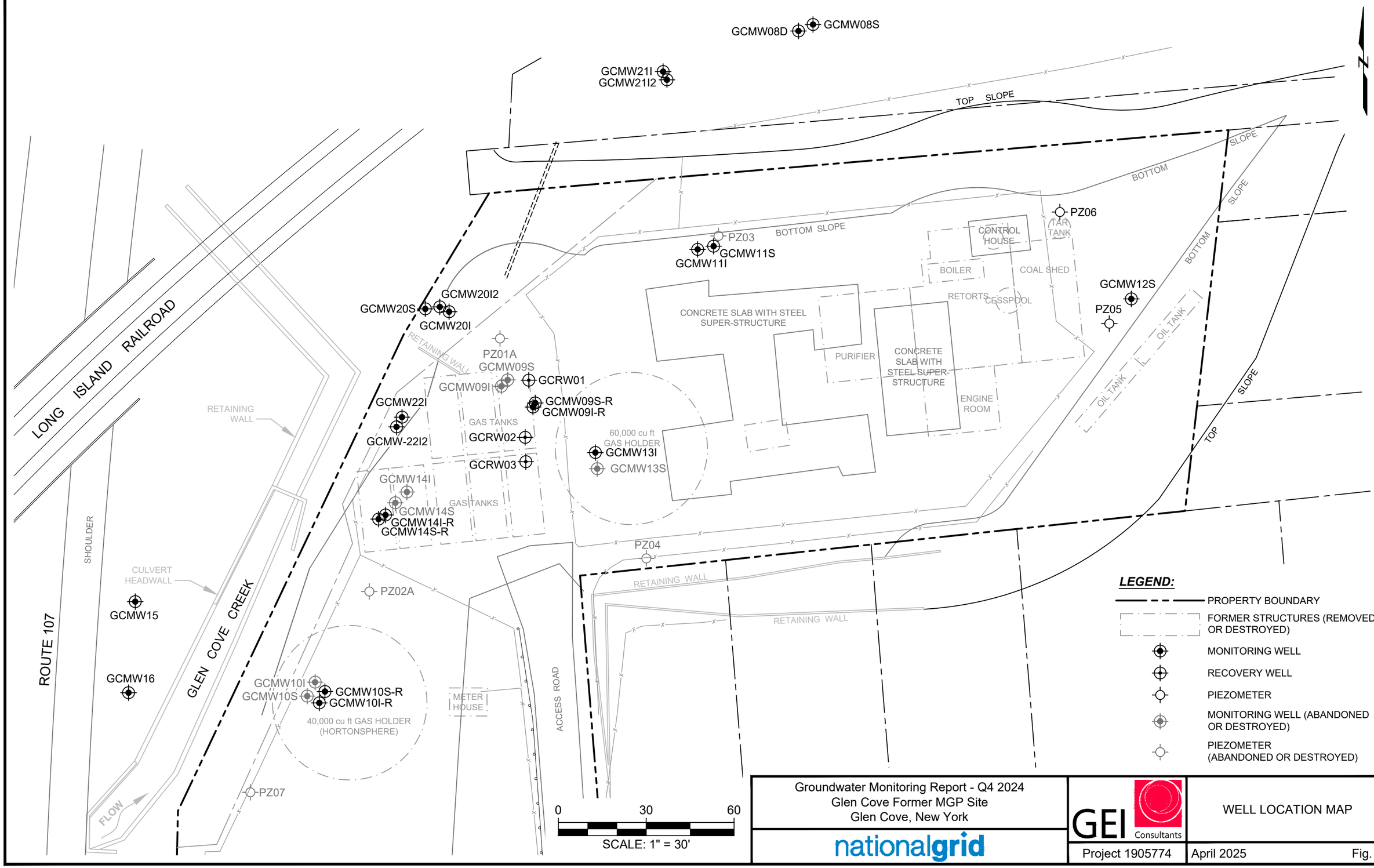
SITE LOCATION MAP

Project 1905774 | April 2025 | Fig. 1

---- B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\GCGW_2024\Q4\1_1905774_GCQ424GW_SLM.dwg - 3/5/2025



Groundwater Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

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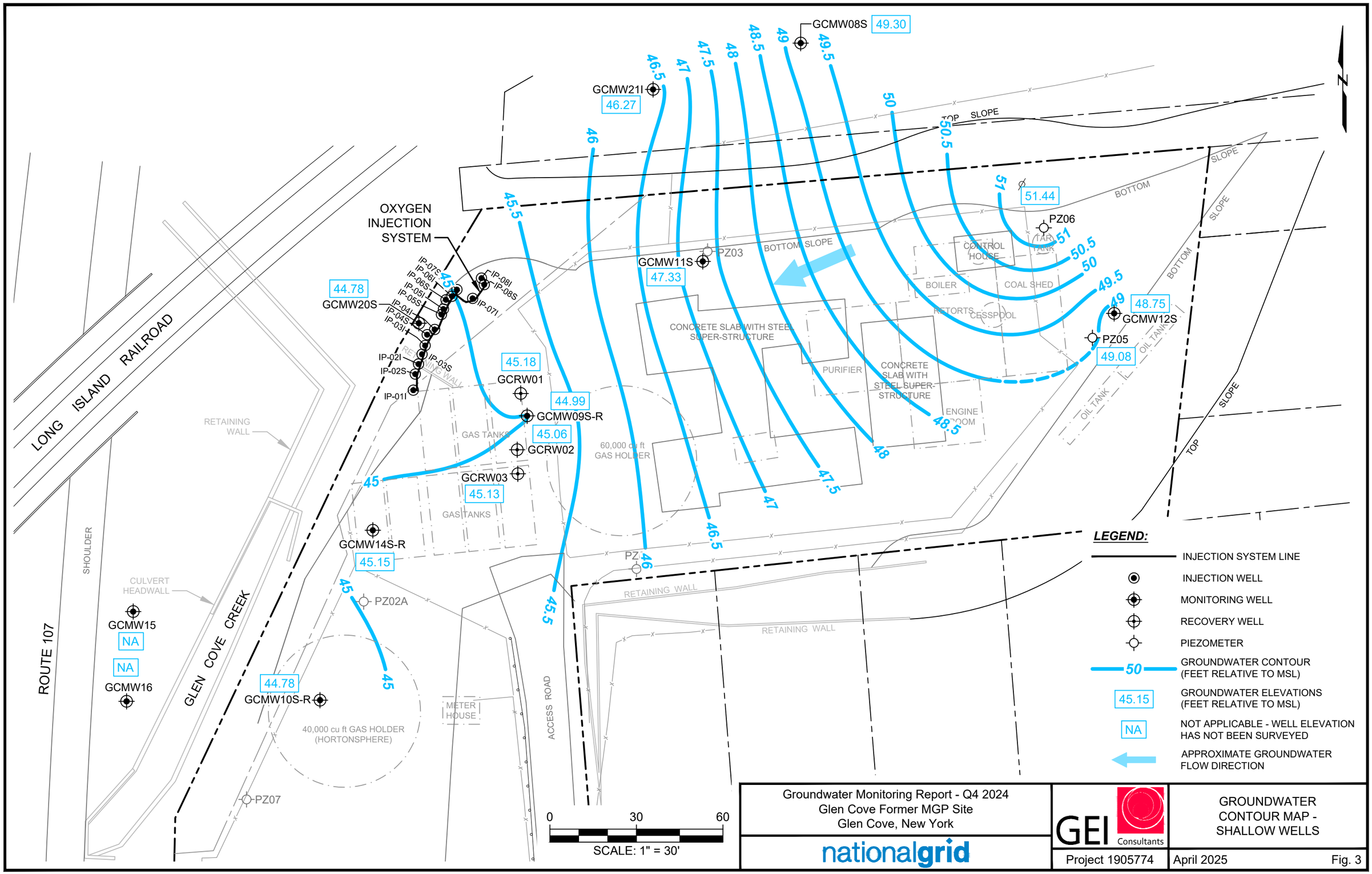
WELL LOCATION MAP

Project 1905774 | April 2025 | Fig. 2

---- B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\GCGW_2024\Q4\2-6_1905774_GCQ424GW_FIGS.dwg - 3/27/2025



Groundwater Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

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GROUNDWATER CONTOUR MAP - SHALLOW WELLS

Project 1905774 | April 2025 | Fig. 3

---- B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\GCGW_2024\Q4\2-6_1905774_GCQ424GW_FIGS.dwg - 3/27/2025

53.26
GCMW08D
46.74
GCMW21I2
OXYGEN INJECTION SYSTEM
IP-07S
IP-06I
IP-06S
IP-05I
IP-05S
IP-04I
IP-04S
IP-03I
IP-02I
IP-03S
IP-01I
46.67
GCMW20I2
PZ01A
45.45
GCMW09I-R
49.89
GCMW11I
45.58
GCMW22I
GCMW-22I2
45.21
GCMW13I
45.97
GCMW14I-R
45.64
45.25
GCMW10I-R
40,000 cu ft GAS HOLDER (HORTONSPHERE)
60,000 cu ft GAS HOLDER
GAS TANKS
RETAINING WALL
CONCRETE SLAB WITH STEEL SUPER-STRUCTURE
CONTROL HOUSE
TAR TANK
BOILER
COAL SHED
RETORTS
CESSPOOL
PURIFIER
CONCRETE SLAB WITH STEEL SUPER-STRUCTURE
ENGINE ROOM
OIL TANK
OIL TANK
TOP SLOPE
BOTTOM SLOPE
BOTTOM
SLOPE
SLOPE
BOTTOM
TOP
SLOPE
LONG ISLAND RAILROAD
SHOULDER
ROUTE 107
GLEN COVE CREEK
CULVERT HEADWALL
RETAINING WALL
RETAINING WALL
RETAINING WALL
METER HOUSE
ACCESS ROAD
N
0
30
60
SCALE: 1" = 30'

LEGEND:

- INJECTION SYSTEM LINE
- INJECTION WELL
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- 47 — GROUNDWATER CONTOUR (FEET RELATIVE TO MSL)
- 46.67 — GROUNDWATER ELEVATIONS (FEET RELATIVE TO MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

Groundwater Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

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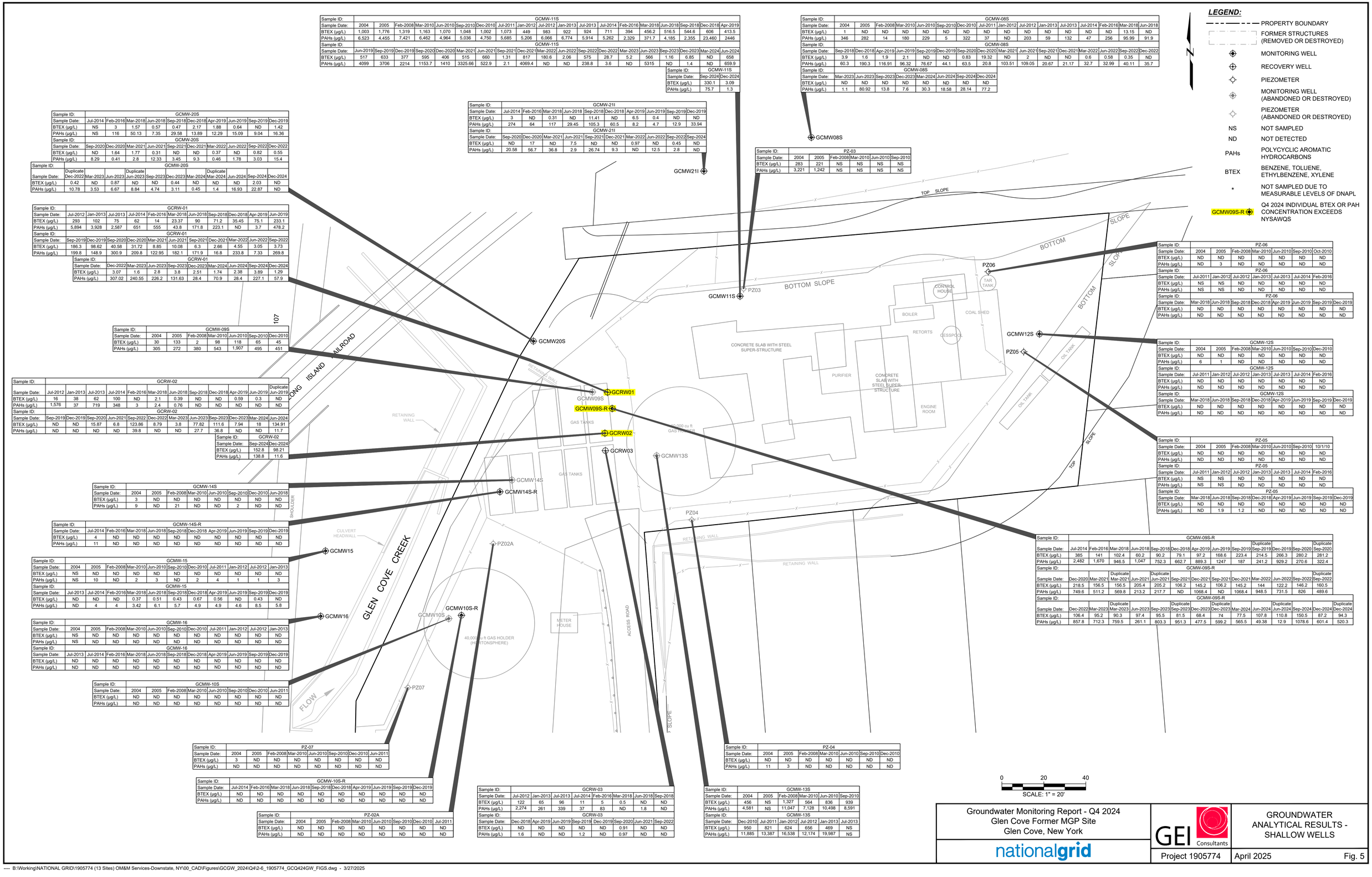
GROUNDWATER CONTOUR MAP - INTERMEDIATE WELLS

Project 1905774 | April 2025 | Fig. 4

---- B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\GCGW_2024\Q4\2-6_1905774_GCQ424GW_FIGS.dwg - 3/27/2025



Sample ID:	GCMW-11S																		
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jul-2011	Jan-2012	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019
BTEX (µg/L)	1,003	1,776	1,319	1,163	1,070	1,048	1,002	1,073	449	983	922	924	711	394	456.2	516.5	544.6	606	413.5
PAHs (µg/L)	6,523	4,455	7,421	6,462	4,964	5,036	4,750	5,685	5,206	6,066	6,774	5,914	5,262	2,329	371.7	4,185	2,355	23,460	2446
Sample ID:	GCMW-11S																		
Sample Date:	Jun-2019	Sep-2019	Dec-2019	Sep-2020	Dec-2020	Mar-2021	Jun-2021	Sep-2021	Dec-2021	Mar-2022	Jun-2022	Sep-2022	Dec-2022	Mar-2023	Jun-2023	Sep-2023	Dec-2023	Mar-2024	Jun-2024
BTEX (µg/L)	517	633	377	595	406	515	660	1.31	817	180.6	2.06	575	28.7	5.2	566	1.16	6.85	ND	658
PAHs (µg/L)	4099	3706	2214	1153.7	1410	3325.66	522.9	2.1	4069.4	ND	ND	238.8	3.6	ND	5315	ND	1.4	ND	659.9

Sample ID:	GCMW-11S	
Sample Date:	Sep-2024	Dec-2024
BTEX (µg/L)	330.1	3.09
PAHs (µg/L)	75.7	1.3

Sample ID:	GCMW-08S																		
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jul-2011	Jan-2012	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018			
BTEX (µg/L)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.15	ND			
PAHs (µg/L)	346	282	14	180	229	5	322	37	ND	203	59	132	47	256	95.99	91.9			
Sample ID:	GCMW-08S																		
Sample Date:	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019	Sep-2020	Dec-2020	Mar-2021	Jun-2021	Sep-2021	Dec-2021	Mar-2022	Jun-2022	Sep-2022	Dec-2022			
BTEX (µg/L)	3.9	1.6	1.9	2.1	ND	ND	0.83	19.32	ND	2	ND	ND	0.6	0.58	0.35	ND			
PAHs (µg/L)	60.3	190.3	116.91	96.32	76.67	44.1	63.5	20.8	103.51	109.05	20.67	21.17	32.7	32.99	40.11	35.7			
Sample ID:	GCMW-08S																		
Sample Date:	Mar-2023	Jun-2023	Sep-2023	Dec-2023	Mar-2024	Jun-2024	Sep-2024	Dec-2024											
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND											
PAHs (µg/L)	1.1	80.92	13.8	7.6	30.3	18.58	28.14	77.2											

Sample ID:	GCMW-21I									
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	3	ND	0.31	ND	11.41	ND	6.5	0.4	ND	ND
PAHs (µg/L)	274	64	117	29.45	105.3	60.5	8.2	4.7	12.9	33.94
Sample ID:	GCMW-21I									
Sample Date:	Sep-2020	Dec-2020	Mar-2021	Jun-2021	Sep-2021	Dec-2021	Mar-2022	Jun-2022	Sep-2022	Sep-2024
BTEX (µg/L)	ND	17	ND	7.5	ND	ND	0.97	ND	0.45	ND
PAHs (µg/L)	20.58	56.7	36.8	2.9	26.74	9.3	ND	12.5	2.8	ND

Sample ID:	PZ-03					
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010
BTEX (µg/L)	283	221	NS	NS	NS	NS
PAHs (µg/L)	3,221	1,242	NS	NS	NS	NS

Sample ID:	GCMW-20S									
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	NS	3	1.57	0.57	0.47	2.17	1.88	0.64	ND	1.42
PAHs (µg/L)	NS	116	50.13	7.35	29.58	13.89	12.29	15.09	9.04	16.36
Sample ID:	GCMW-20S									
Sample Date:	Sep-2020	Dec-2020	Mar-2021	Jun-2021	Sep-2021	Dec-2021	Mar-2022	Jun-2022	Sep-2022	Dec-2022
BTEX (µg/L)	ND	1.64	1.77	0.31	ND	ND	0.37	ND	0.82	0.55
PAHs (µg/L)	8.29	0.41	2.8	12.33	3.45	9.3	0.46	1.78	3.03	15.4

Sample ID:	GCMW-20S										
Sample Date:	Duplicate Dec-2022	Mar-2023	Jun-2023	Duplicate Jun-2023	Sep-2023	Dec-2023	Mar-2024	Duplicate Mar-2024	Jun-2024	Sep-2024	Dec-2024
BTEX (µg/L)	0.42	ND	0.87	ND	ND	0.44	ND	ND	ND	2.03	ND
PAHs (µg/L)	10.78	3.53	6.67	8.84	4.74	3.11	0.45	1.4	16.93	22.87	ND

Sample ID:	GCRW-01										
Sample Date:	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019
BTEX (µg/L)	293	102	75	62	14	23.37	90	71.2	35.45	75.1	233.1
PAHs (µg/L)	5,894	3,928	2,587	651	555	43.8	171.8	223.1	ND	3.7	478.2
Sample ID:	GCRW-01										
Sample Date:	Sep-2019	Dec-2019	Sep-2020	Dec-2020	Mar-2021	Jun-2021	Sep-2021	Dec-2021	Mar-2022	Jun-2022	Sep-2022
BTEX (µg/L)	186.3	98.62	40.58	31.72	8.85	10.08	6.3	2.66	4.55	3.05	3.73
PAHs (µg/L)	199.8	148.9	300.9	209.8	122.95	182.1	171.9	16.8	233.8	7.33	269.8

Sample ID:	GCRW-01								
Sample Date:	Dec-2022	Mar-2023	Jun-2023	Sep-2023	Dec-2023	Mar-2024	Jun-2024	Sep-2024	Dec-2024
BTEX (µg/L)	3.07	1.6	2.8	3.8	2.51	1.74	2.38	3.89	1.29
PAHs (µg/L)	307.02	240.55	226.2	131.63	28.4	70.9	28.4	227.1	57.9

Sample ID:	GCMW-09S						
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010
BTEX (µg/L)	30	133	2	98	118	65	45
PAHs (µg/L)	305	272	380	543	1,907	495	451

Sample ID:	GCRW-02											
Sample Date:	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Duplicate Jun-2019
BTEX (µg/L)	16	38	62	100	ND	2.1	0.39	ND	ND	0.59	0.3	ND
PAHs (µg/L)	1,576	37	719	348	3	2.4	0.76	ND	ND	ND	ND	ND
Sample ID:	GCRW-02											
Sample Date:	Sep-2019	Dec-2019	Sep-2020	Jun-2021	Sep-2022	Dec-2022	Mar-2023	Jun-2023	Sep-2023	Dec-2023	Mar-2024	Jun-2024
BTEX (µg/L)	ND	ND	15.87	6.8	123.86	8.79	3.8	77.82	111.6	7.94	18	134.91
PAHs (µg/L)	ND	ND	ND	ND	39.8	ND	ND	27.7	36.8	ND	ND	11.7

Sample ID:	GCRW-02	
Sample Date:	Sep-2024	Dec-2024
BTEX (µg/L)	152.8	98.21
PAHs (µg/L)	138.8	11.6

Sample ID:	GCMW-14S							
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jun-2018
BTEX (µg/L)	3	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	9	ND	21	ND	ND	2	ND	ND

Sample ID:	GCMW-14S-R									
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	11	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-15										
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jul-2011	Jan-2012	Jul-2012	Jan-2013
BTEX (µg/L)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	NS	10	ND	2	3	ND	2	4	1	1	3
Sample ID:	GCMW-15										
Sample Date:	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	ND	ND	ND	0.37	0.51	0.43	0.67	0.56	ND	0.43	ND
PAHs (µg/L)	ND	4	4	3.42	6.1	5.7	4.9	4.9	4.6	8.5	5.8

Sample ID:	GCMW-16										
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jul-2011	Jan-2012	Jul-2012	Jan-2013
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sample ID:	GCMW-16										
Sample Date:	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-10S							
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jun-2011
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID:	PZ-07							
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jun-2011
BTEX (µg/L)	3	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-10S-R										
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019	
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Sample ID:	PZ-02A								
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jul-2011	
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	

Sample ID:	GCRW-03								
Sample Date:	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	
BTEX (µg/L)	122	65	96	11	5	0.5	ND	ND	
PAHs (µg/L)	2,274	261	339	37	83	ND	1.8	ND	
Sample ID:	GCRW-03								
Sample Date:	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019	Sep-2020	Jun-2021	Sep-2022	
BTEX (µg/L)	ND	ND	ND	ND	ND	0.91	ND	ND	
PAHs (µg/L)	1.6	ND	ND	1.2	ND	0.97	ND	ND	

Sample ID:	PZ-04						
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	11	3	ND	ND	ND	ND	ND

Sample ID:	GCMW-13S					
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010
BTEX (µg/L)	456	NS	1,327	564	836	939
PAHs (µg/L)	4,581	NS	11,047	7,128	10,498	8,591
Sample ID:	GCMW-13S					
Sample Date:	Dec-2010	Jul-2011	Jan-2012	Jul-2012	Jan-2013	Jul-2013
BTEX (µg/L)	950	821	624	656	469	NS
PAHs (µg/L)	11,885	13,387	16,538	12,174	19,987	NS

Sample ID:	PZ-06							
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Oct-2010	
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	
PAHs (µg/L)	ND	3	ND	ND	ND	ND	ND	
Sample ID:	PZ-06							
Sample Date:	Jul-2011	Jan-2012	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016	
BTEX (µg/L)	NS	NS	ND	ND	ND	ND	ND	
PAHs (µg/L)	NS	NS	ND	ND	ND	ND	ND	
Sample ID:	PZ-06							
Sample Date:	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-12S						
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	6	1	ND	ND	ND	ND	ND
Sample ID:	GCMW-12S						
Sample Date:	Jul-2011	Jan-2012	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND
Sample ID:	GCMW-12S						
Sample Date:	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID:	PZ-05						
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	10/1/10
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND
Sample ID:	PZ-05						
Sample Date:	Jul-2011	Jan-2012	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016
BTEX (µg/L)	NS	NS	ND	ND	ND	ND	ND
PAHs (µg/L)	NS	NS	ND	ND	ND	ND	ND
Sample ID:	PZ-05						
Sample Date:	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	1.9	1.2	ND	ND	ND	ND	ND

Sample ID:	GCMW-09S-R										
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Duplicate Sep-2019	Dec-2019
BTEX (µg/L)	385	141	102.4	60.2	90.2	79.1	97.2	168.6	223.4	214.5	266.3
PAHs (µg/L)	2,482	1,670	946.5	1,047	752.3	662.7	889.3	1247	187	241.2	929.2
Sample ID:	GCMW-09S-R										
Sample Date:	Sep-2020	Duplicate Sep-2020	Dec-2020	Mar-2021	Duplicate Mar-2021	Jun-2021	Duplicate Jun-2021	Sep-2021	Dec-2021	Mar-2022	Jun-2022
BTEX (µg/L)	270.6	281.2	218.5	156.5	156.5	205.4	205.2	106.2	145.2	106.2	145.2
PAHs (µg/L)	322.4	749.6	511.2	569.8	213.2	217.7	ND	1068.4	ND	1068.4	948.5
Sample ID:	GCMW-09S-R										
Sample Date:	Sep-2022	Duplicate Sep-2022	Dec-2022	Mar-2023	Duplicate Mar-2023	Jun-2023	Sep-2023	Duplicate Sep-2023	Dec-2023	Duplicate Dec-2023	Mar-2024
BTEX (µg/L)	122	160.5	106.4	95.2	90.3	97.4	95.5	81.5	68.4	74	77.5
PAHs (µg/L)	731.5	826	857.8	712.3	759.5	261.1	803.3	951.3	477.5	599.2	565.5

Sample ID:	GCMW-09S-R										
Sample Date:	Jun-2024	Duplicate Jun-2024	Sep-2024	Dec-2024	Duplicate Dec-2024						
BTEX (µg/L)	107.8	110.8	150.5	87.2	94.3						
PAHs (µg/L)	49.38	12.9	1078.6	601.4	520.3						

Groundwater Monitoring Report - Q4 2024
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GROUNDWATER ANALYTICAL RESULTS - SHALLOW WELLS

Project 1905774 | April 2025 | Fig. 5

---- B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\GCGW_2024\Q4\2-6_1905774_GCQ424GW_FIGS.dwg - 3/27/2025

Sample ID:	GCMW-11I																		
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jul-2011	Jan-2012	Jul-2012	Jan-2013	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019
BTEX (µg/L)	1,062	275	ND	21	34	47	23	12	13	5	4	6	4	2	139	38.63	384	635	183.6	312
PAHs (µg/L)	1,488	16	5	ND	ND	617	ND	ND	529	550	378	500	212	167	580.7	6.4	1051.9	1927	25.61	39

Sample ID:	GCMW-11I																			
Sample Date:	Sep-2019	Dec-2019	Sep-2020	Dec-2020	Mar-2021	Jun-2021	Sep-2021	Dec-2021	Mar-2022	Jun-2022	Sep-2022	Dec-2022	Mar-2023	Jun-2023	Sep-2023	Dec-2023	Duplicate Dec-2023	Mar-2024	Jun-2024	Sep-2024	Dec-2024
BTEX (µg/L)	407	4.6	72.3	36.12	64.65	42.1	20.89	29.85	16.44	8	2.8	5.87	3.2	3.6	5.8	68.4	74	4.2	2.8	7.25	2.2
PAHs (µg/L)	1575	12.5	4.96	3.2	130.6	6	14.3	18.6	ND	2.81	ND	93.85	2.4	5.9	6.3	477.5	599.2	42.14	2	1.2	56.4

Sample ID:	GCMW-08D											
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jul-2011	Jan-2012	Jul-2012	Jan-2013	Jul-2013
BTEX (µg/L)	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	3	ND
PAHs (µg/L)	10	ND	ND	ND	ND	ND	ND	ND	230	ND	ND	ND

Sample ID:	GCMW-08D											
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019	Sep-2020	Jun-2021	Sep-2022
BTEX (µg/L)	ND	ND	ND	ND	15	0.45	4.7	3.4	ND	ND	ND	4	0.5
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-21I2								
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019
BTEX (µg/L)	ND	ND	ND	ND	10.28	2.98	8.4	1.3	ND
PAHs (µg/L)	1	10	ND	ND	ND	2.1	ND	ND	ND

Sample ID:	GCMW-21I2								
Sample Date:	Dec-2019	Sep-2020	Dec-2020	Mar-2021	Jun-2021	Sep-2021	Dec-2021	Sep-2022	Sep-2023
BTEX (µg/L)	ND	ND	14	ND	1.4	ND	0.82	0.65	ND
PAHs (µg/L)	ND	ND	ND	10.5	ND	ND	1.5	ND	ND

Sample ID:	GCMW-20I2					
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	
BTEX (µg/L)	ND	ND	ND	ND	ND	
PAHs (µg/L)	ND	ND	ND	ND	ND	
Sample ID:	GCMW-20I2					
Sample Date:	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019	Jun-2021
BTEX (µg/L)	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-20I							
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019
BTEX (µg/L)	2	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	997	58	9.54	13.15	ND	9.95	26.55	2.4
Sample ID:	GCMW-20I							
Sample Date:	Sep-2019	Dec-2019	Sep-2020	Dec-2020	Duplicate Dec-2020	Mar-2021	Jun-2021	Sep-2021
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	0.95
PAHs (µg/L)	ND	7.4	7.14	11.2	3.3	9.48	33.75	ND
Sample ID:	GCMW-20I							
Sample Date:	Dec-2021	Duplicate Dec-2021	Mar-2022	Duplicate Mar-2022	Jun-2022	Sep-2022	Sep-2023	Sep-2024
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	0.82
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	1	5.25

Sample ID:	PZ-01A						
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010
BTEX (µg/L)	223	116	4	ND	ND	ND	ND
PAHs (µg/L)	581	199	7	2	ND	ND	ND

Sample ID:	GCMW-09I						
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010
BTEX (µg/L)	38	9	35	ND	ND	1	ND
PAHs (µg/L)	1,564	633	281	55	342	286	22

Sample ID:	GCMW-09I-R						
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	
BTEX (µg/L)	6	ND	ND	ND	ND	ND	
PAHs (µg/L)	157	148	1.1	ND	0.95	10.3	
Sample ID:	GCMW-09I-R						
Sample Date:	Apr-2019	Jun-2019	Sep-2019	Dec-2019	Sep-2020	Jun-2021	Sep-2022
BTEX (µg/L)	0.59	ND	ND	ND	ND	2.99	ND
PAHs (µg/L)	6.1	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-22I						
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018		
BTEX (µg/L)	4	ND	ND	ND	ND		
PAHs (µg/L)	26	8	ND	ND	ND		
Sample ID:	GCMW-22I						
Sample Date:	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019		
BTEX (µg/L)	ND	ND	ND	ND	ND		
PAHs (µg/L)	ND	6.8	ND	ND	6.6		

Sample ID:	GCMW-22I2					
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018
BTEX (µg/L)	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND
Sample ID:	GCMW-22I2					
Sample Date:	Apr-2019	Jun-2019	Duplicate Jun-2019	Sep-2019	Dec-2019	
BTEX (µg/L)	ND	ND	ND	ND	ND	
PAHs (µg/L)	ND	ND	ND	ND	ND	

Sample ID:	GCMW-14I						
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	10	ND	ND	ND	ND	1	ND

Sample ID:	GCMW-14I-R						
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	
Sample ID:	GCMW-14I-R						
Sample Date:	Apr-2019	Jun-2019	Sep-2019	Duplicate Sep-2019	Dec-2019		
BTEX (µg/L)	ND	ND	ND	ND	ND		
PAHs (µg/L)	ND	ND	ND	ND	ND		

Sample ID:	GCMW-10I							
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jun-2011
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-10I-R									
Sample Date:	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND

Sample ID:	GCMW-13I										
Sample Date:	2004	2005	Feb-2008	Mar-2010	Jun-2010	Sep-2010	Dec-2010	Jul-2011	Jan-2012	Jul-2012	Jan-2013
BTEX (µg/L)	438	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs (µg/L)	3,748	48	ND	25	ND	9	ND	ND	16	13	19

Sample ID:	GCMW-13I										
Sample Date:	Jul-2013	Jul-2014	Feb-2016	Mar-2018	Jun-2018	Sep-2018	Dec-2018	Apr-2019	Jun-2019	Sep-2019	Dec-2019
BTEX (µg/L)	ND	ND	21	261.8	292.9	464.2	291.88	131.2	57.31	8.4	ND
PAHs (µg/L)	10	4	65	3,181	3,710	6,120	4,840	1,521	23	4.1	ND

Sample ID:	GCMW-13I										
Sample Date:	Sep-2020	Dec-2019	Mar-2021	Jun-2021	Sep-2022	Sep-2023	Dec-2023	Mar-2024	Jun-2024	Sep-2024	Dec-2024
BTEX (µg/L)	ND	5.2	ND	ND	ND	120.77	189.95	45	3	3.8	1.7
PAHs (µg/L)	3.6	1.1	ND	ND	ND	2411.9	6220.71	2	ND	ND	ND

LEGEND:

- PROPERTY BOUNDARY
- FORMER STRUCTURES (REMOVED OR DESTROYED)
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- MONITORING WELL (ABANDONED OR DESTROYED)
- PIEZOMETER (ABANDONED OR DESTROYED)
- NS — NOT SAMPLED
- ND — NOT DETECTED
- PAHs — POLYCYCLIC AROMATIC HYDROCARBONS
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE, XYLENE
- * — NOT SAMPLED DUE TO MEASURABLE LEVELS OF DNAPL
- GCMW11I — Q4 2024 INDIVIDUAL BTEX OR PAH CONCENTRATION EXCEEDS NYSAWQS

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0 20 40
SCALE: 1" = 20'

Groundwater Monitoring Report - Q4 2024
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GROUNDWATER ANALYTICAL RESULTS - INTERMEDIATE WELLS

Project 1905774 | April 2025 | Fig. 6

---- B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\GCGW_2024\Q4\2-6_1905774_GCQ424GW_FIGS.dwg - 3/27/2025

Sample Name:		GCMW-20S
Sample Depth:	NYS AWQS	9-19
Sample Date:		12/26/2024
BTEX		
Total BTEX (ND=0)	NE	ND
Other VOCs		
Total VOCs (ND=0)	NE	ND
PAH17		
Total PAH (17) (ND=0)	NE	ND
PAH17 Other SVOCs		
Total SVOCs (ND=0)	NE	ND
Total Metals		
Antimony	3	**34.7**
Chromium	50	**52.6**
Iron	300	**45000**
Lead	25	**67.2**
Manganese	300	**3660**
Sodium	20000	**39700**

Sample Name:		GCRW-01
Sample Depth:	NYS AWQS	15-25
Sample Date:		12/26/2024
BTEX		
Total BTEX (ND=0)	NE	**1.29**
Other VOCs		
Total VOCs (ND=0)	NE	**1.9**
PAH17		
Acenaphthene	20*	**47**
Total PAH (17) (ND=0)	NE	**57.9**
PAH17 Other SVOCs		
Total SVOCs (ND=0)	NE	**57.9**

Sample Name:		GCMW-11I
Sample Depth:	NYS AWQS	23-28
Sample Date:		12/26/2024
BTEX		
Benzene	1	**2.2**
Total BTEX (ND=0)	NE	**2.2**
Other VOCs		
Total VOCs (ND=0)	NE	**12.3**
PAH17		
Naphthalene	10*	**51**
Total PAH (17) (ND=0)	NE	**56.4**
PAH17 Other SVOCs		
Total SVOCs (ND=0)	NE	**57.21**

Sample Name:		GCMW-11S
Sample Depth:	NYS AWQS	8-20
Sample Date:		12/26/2024
BTEX		
Total BTEX (ND=0)	NE	**3.09**
Other VOCs		
Total VOCs (ND=0)	NE	**3.09**
PAH17		
Total PAH (17) (ND=0)	NE	**1.3**
PAH17 Other SVOCs		
Total SVOCs (ND=0)	NE	**1.3**

Sample Name:		GCMW-08S
Sample Depth:	NYS AWQS	26-36
Sample Date:		12/31/2024
BTEX		
Total BTEX (ND=0)	NE	ND
Other VOCs		
Total VOCs (ND=0)	NE	ND
PAH17		
Total PAH (17) (ND=0)	NE	**77.2**
PAH17 Other SVOCs		
Total SVOCs (ND=0)	NE	**80.3**

Sample Name:		GCMW-09SR	Duplicate of GCMW-09SR
Sample Depth:	NYS AWQS	8-18	8-18
Sample Date:		12/26/2024	12/26/2024
BTEX			
Benzene	1	**2.3**	**2.4**
Ethylbenzene	5	**43**	**47**
Total Xylene	5	**40**	**43**
Total BTEX (ND=0)	NE	**87.2**	**94.3**
Other VOCs			
Total VOCs (ND=0)	NE	**87.94**	**95.06**
PAH17			
Acenaphthene	20*	**120 J**	**110**
Naphthalene	10*	**330**	**290**
Phenanthrene	50*	**57 J**	**43**
Total PAH (17) (ND=0)	NE	**601.4**	**520.3**
PAH17 Other SVOCs			
Total SVOCs (ND=0)	NE	**615.1**	**530.5**
Total Metals			
Iron	300	**12700**	**12400**
Manganese	300	**4300**	**3950**

Sample Name:		GCRW-02
Sample Depth:	NYS AWQS	15-25
Sample Date:		12/26/2024
BTEX		
Ethylbenzene	5	**66**
Total Xylene	5	**29**
Total BTEX (ND=0)	NE	**98.21**
Other VOCs		
Total VOCs (ND=0)	NE	**99.16**
PAH17		
Total PAH (17) (ND=0)	NE	**11.6**
PAH17 Other SVOCs		
Total SVOCs (ND=0)	NE	**12.8**

Sample Name:		GCMW-13I
Sample Depth:	NYS AWQS	25-30
Sample Date:		12/26/2024
BTEX		
Total BTEX (ND=0)	NE	**1.7**
Other VOCs		
Total VOCs (ND=0)	NE	**3.9**
PAH17		
Total PAH (17) (ND=0)	NE	ND
PAH17 Other SVOCs		
Total SVOCs (ND=0)	NE	ND

GCMW08S
GCMW08D
GCMW21I
GCMW21I2
GCMW11I
GCMW11S
PZ03
PZ06
GCMW12S
PZ05
GCMW20S
GCMW20I2
GCMW20I
PZ01A
GCRW01
GCMW09S
GCMW09I
GCMW09S-R
GCMW09I-R
GCMW22I
GCMW-22I2
GCRW02
GCRW03
GCMW13I
GCMW13S
GCMW14S
GCMW14I
GCMW14I-R
GCMW14S-R
PZ04
GCMW15
PZ02A
GCMW10I
GCMW10S
GCMW10S-R
GCMW10I-R
GCMW16
PZ07
TOP SLOPE
BOTTOM SLOPE
CONTROL HOUSE
TAR TANK
BOILER
COAL SHED
RETORTS
CESSPOOL
CONCRETE SLAB WITH STEEL SUPER-STRUCTURE
PURIFIER
ENGINE ROOM
OIL TANK
RETAINING WALL
GAS TANKS
60,000 cu ft GAS HOLDER
40,000 cu ft GAS HOLDER (HORTONSPHERE)
METER HOUSE
CULVERT HEADWALL
GLEN COVE CREEK
ACCESS ROAD
LONG ISLAND RAILROAD
ROUTE 107
SHOULDER
FLOW

N

LEGEND:

- MONITORING WELL SAMPLED QUARTERLY AS OF Q4 2024
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- MONITORING WELL (ABANDONED OR DESTROYED)
- PIEZOMETER (ABANDONED OR DESTROYED)
- PROPERTY BOUNDARY
- FORMER STRUCTURES (REMOVED OR DESTROYED)

ANALYTICAL DATA NOTES:

µg/L	MICROGRAMS PER LITER OR PARTS PER BILLION (ppb)
SVOC	SEMI-VOLATILE ORGANIC COMPOUND
VOC	VOLATILE ORGANIC COMPOUND

TOTAL VOCS AND TOTAL SVOCS ARE CALCULATED USING DETECTS ONLY.

NYS AWQS	NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR GA GROUNDWATER
*	INDICATES THE VALUE IS A GUIDANCE VALUE AND NOT A STANDARD
ND	NOT DETECTED
NE	NOT ESTABLISHED
NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
87.2	INDICATES A DETECTED RESULT CONCENTRATION
4300	INDICATES THAT THE DETECTED RESULT VALUE EXCEEDS THE NYS AWQS

DATA QUALIFIERS:

J	THE RESULTS WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT SHOWN AND THE REPORTING LIMIT IS ESTIMATED.

0 40 80

SCALE: 1" = 40'

Groundwater Monitoring Report - Q4 2024
Glen Cove Former MGP Site
Glen Cove, New York

nationalgrid

GEI Consultants

MONITORING WELL SAMPLING SCHEDULE AND GROUNDWATER ANALYTICAL SUMMARY (ug/L)

Project 1905774 | April 2025 | Fig. 7

---- B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\GCGW_2024\Q4\7_1905774_GCQ424GW_WELL.dwg - 3/5/2025

Appendix A Quarterly Groundwater Sampling Logs

Monitoring Well Sample Data Form

Project: National Grid - Glen Cove **Well ID:** GCMW-20S **Sample Date:** 12/26/24

Total Well Depth (from top of casing): 18.63' **Total Well Depth (From Well Log):** 14.00'

Depth to Water (from top of casing): 9.461

Well Diameter: 3/4" 1" (2") 4"

Pump Intake Depth (Mid-Point of Screen Zone): 14.00'

Sampling Crew: C. Hayes

Purge Time: Start: 0810 Finish:

Purging Method: Peristaltic Pump

Sampling Method: Low Flow

Sample Time: Start: 0850 Finish:

Sample Analysis: VOCs | SVOCs | Mercury | TAL Metals | Cyanide | PCBs

Purge Data											
Sample Time	Depth to Water* (ft)	Flow Rate (lpm/gpm)	Volume Purged (liters/gals.)	pH (std. Units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (Cel.)	Salinity (%)	ORP (mV)	Comments/Observations
0815	9.46'	0.4	2	6.75	0.750	931	31.98	12.98	0.4	101	Well Headspace PID =
0820	16.02	0.4	4	6.63	0.731	0.0	32.79	12.67	0.1	167	
0825	13.50	0.4	6	6.52	0.685	0.0	35.56	12.00	0.3	116	*well dried up @ 0825
0830	—	0.4	8								Wait for Recharge.
0835	—	0.4	10								
0840	—	0.4	12								Sample @ 0850
											Colorless
											Odorless

* DTW - Record first two readings, final reading, and minimum of once evey 15 minutes during purging

MS/MSD
DUP-01

Monitoring Well Sample Data Form

Project: National Grid - Glen Cove **Well ID:** GCMW-095-R **Sample Date:** 12/26/24

Total Well Depth (from top of casing): 17.41' **Total Well Depth (From Well Log):** 16'

Depth to Water (from top of casing): 9.60

Pump Intake Depth (Mid-Point of Screen Zone): 12.41'

Well Diameter: 3/4" 1" (2") 4"

Sampling Crew: P. Recchia

Purge Time: Start: 0815 Finish: 0855

Purging Method: Peristaltic Pump

Sample Time: Start: 0900 Finish:

Sampling Method: Low Flow

Sample Analysis: Delineation

Purge Data

Sample Time	Depth to Water* (ft)	Flow Rate (lpm/gpm)	Volume Purged (liters/gals.)	pH (std. Units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (Cel.)	Salinity (%)	ORP (mV)	Comments/Observations
0815	9.60	0.4	Initial	5.98	1.90	233	4.32	12.38	1.0	-63	Well Headspace PID =
0820	10.16		2	6.11	1.86	2.06	2.41	13.20	0.9	-86	*MS/MSD & DUP-01
0825	10.45		4	6.03	1.54	161	2.95	13.62	0.8	-89	*Colorless/MGP odor
0830			6	6.21	1.57	124	1.81	13.94	0.8	-115	
0835			8	6.11	1.63	87.3	0.69	14.09	0.8	-122	
0840	10.52			6.11	1.63	80.6	0.60	14.16	0.8	-125	
0845				6.14	1.62	61.1	0.29	14.10	0.8	-130	
0850				6.14	1.61	60.6	0.24	14.15	0.8	-132	
0855	10.59			6.14	1.61	60.0	0.20	14.12	0.8	-136	

* DTW - Record first two readings, final reading, and minimum of once evey 15 minutes during purging

Monitoring Well Sample Data Form

Project: National Grid - Glen Cove **Well ID:** GCMW-11S **Sample Date:** 12/26/24

Total Well Depth (from top of casing): 21.52 **Total Well Depth (From Well Log):** 20.00'

Depth to Water (from top of casing): 7.03

Well Diameter: 3/4" 1" (2) 4"

Pump Intake Depth (Mid-Point of Screen Zone): 14.00'

Sampling Crew: C. Hayes

Purge Time: Start: 0930 Finish: 1005

Purging Method: Peristaltic Pump

Sampling Method: Low Flow

Sample Time: Start: 1000 Finish:

Sample Analysis: VOC's SVOC's

Purge Data

Sample Time	Depth to Water* (ft)	Flow Rate (lpm/gpm)	Volume Purged (liters/gals.)	pH (std. Units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (Cel.)	Salinity (%)	ORP (mV)	Comments/Observations
0935	7.03	0.4	2	6.63	0.262	13.2	8.20	11.62	0.1	-41	Well Headspace PID =
0940	7.01	0.4	4	6.68	0.261	13.2	8.11	11.67	0.1	-20	
0945	6.99	0.4	6	6.72	0.259	13.1	8.04	11.77	0.1	-6	Odorless
0950	7.02	0.4	8	6.74	0.258	9.4	7.73	12.01	0.1	-1	
0955	7.02	0.4	10	6.75	0.257	4.5	7.59	12.11	0.1	2	Odorless
1000	7.03	0.4	12	6.76	0.257	4.1	7.21	12.29	0.1	5	
1005	7.03	0.4	14	6.77	0.257	3.2	7.01	12.32	0.1	7	

* DTW - Record first two readings, final reading, and minimum of once evey 15 minutes during purging

Monitoring Well Sample Data Form

Project: National Grid - Glen Cove **Well ID:** GCMW-13I **Sample Date:** 12/26/24

Total Well Depth (from top of casing): 32.58' **Total Well Depth (From Well Log):** 30'

Depth to Water (from top of casing): 9.54'

Pump Intake Depth (Mid-Point of Screen Zone): 30.08'

Well Diameter: 3/4" 1" (2") 4"

Sampling Crew: P. Recchia

Purge Time: Start: 1000 Finish: 1035

Purging Method: Peristaltic Pump

Sample Time: Start: 1040 Finish:

Sampling Method: Low Flow

Sample Analysis: VOC/SVOC

Purge Data

Sample Time	Depth to Water* (ft)	Flow Rate (lpm/gpm)	Volume Purged (liters/gals.)	pH (std. Units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (Cel.)	Salinity (%)	ORP (mV)	Comments/Observations
1000	9.54'	0.4	Initial	6.78	1.73	42.2	0.23	11.60	0.8	-118	Well Headspace PID =
1005	10.61		2	6.85	1.95	70.7	0.00	13.78	1.0	-77	*colorless/odorless
1010	12.82'		4	6.82	1.88	57.8	0.00	13.87	0.9	-74	
1015			6	6.82	1.88	54.0	0.00	14.02	0.9	-77	
1020			8	6.82	1.88	47.9	0.00	13.99	0.9	-78	
1025	15.29'			6.80	1.90	38.3	0.00	13.88	1.0	-77	
1030				6.79	1.92	35.2	0.00	13.87	1.0	-65	
1035	15.32'			6.79	1.92	34.9	0.00	13.85	1.0	-62	

* DTW - Record first two readings, final reading, and minimum of once evey 15 minutes during purging

Monitoring Well Sample Data Form

Project: National Grid - Glove Lot **Well ID:** GCMW-11I **Sample Date:**

Total Well Depth (from top of casing): 30.41' **Total Well Depth (From Well Log):** 20.00' **Depth to Water (from top of casing):**

Well Diameter: 3/4" 1" (2") 4" **Pump Intake Depth (Mid-Point of Screen Zone):**

Sampling Crew: C. Hayes **Purge Time:** Start: Finish:

Purging Method: Peristaltic [redacted]ump **Sample Time:** Start: Finish:

Sampling Method: Low Flow

Sample Analysis: VOC [redacted] 5 SVOCs

Purge Data

Sample Time	Depth to Water* (ft)	Flow Rate (lpm/gpm)	Volume Purged (liters/gals)	pH (std. Units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (Cel.)	Salinity (%)	ORP (mV)
1020	3.32	0.4	2	6.59	0.413	51.0	0.00	12.71	0.2	7
1025	3.34	0.4	4	6.59	0.412	24.6	0.00	12.69	0.2	5
1030	3.36	0.4	6	6.59	0.411	7.6	0.00	12.57	0.2	5
1035	3.36	0.4	8	6.58	0.409	5.0	0.00	12.56	0.2	4
1040	3.56	0.4	10	6.58	0.409	4.9	0.00	12.55	0.2	4
1050	3.56	0.4	12	6.58	0.407	4.2	0.00	12.54	0.2	4

* DTW - Record first two readings, final re[redacted]ing, and minimum of once evey 15 minutes dur[redacted]g purging

C:\Users\diannolta\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\

Monitoring Well Sample Data Form

Project: National Grid - Glen Cove **Well ID:** SCMW-02 **Sample Date:** 12/20/21

Total Well Depth (from top of casing): 22.15' **Total Well Depth (From Well Log):** 25.00'

Depth to Water (from top of casing): 9.11'

Well Diameter: 3/4" 1" ~~2"~~ (4")

Pump Intake Depth (Mid-Point of Screen Zone): 20.00'

Sampling Crew: C. Hayes

Purge Time: Start: 1170 Finish: 1200

Purging Method: Peristaltic Pump

Sample Time: Start: 1205 Finish:

Sampling Method: Low Flow

Sample Analysis: VOCs / SVOCs

Purge Data

Sample Time	Depth to Water* (ft)	Flow Rate (lpm/gpm)	Volume Purged (liters/gals.)	pH (std. Units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (Cel.)	Salinity (%)	ORP (mV)	Comments/Observations
1125	9.11'	0.1	2	6.51	0.663	13.8	1.76	13.64	0.3	-200	Well Headspace PID =
1130	12.20	0.1	4	6.55	0.574	4.6	6.18	13.56	0.3	-190	
1135		0.1	6	6.55	0.569	3.9	5.93	13.92	0.3	-187	*Shale Horizon @ 1130
1140		0.1	8	6.55	0.562	3.1	4.56	13.89	0.3	-184	+DO reset to 0.00
1145	14.50	0.1	10	6.55	0.559	1.4	4.14	13.85	0.3	-180	
1150		0.1	12	6.54	0.565	0.9	0.00	14.09	0.3	-181	
1155		0.1	14	6.54	0.569	0.9	0.00	14.16	0.3	-179	
1200	15.05	0.1	16	6.54	0.570	0.9	0.00	14.20	0.3	-176	

* DTW - Record first two readings, final reading, and minimum of once evey 15 minutes during purging

Monitoring Well Sample Data Form

Project: National Grid - Glen Cove

Well ID: GCBW-01

Sample Date: 12/26/24

Total Well Depth (from top of casing): 25.54'

Total Well Depth (From Well Log): 25'

Depth to Water (from top of casing): (PR) ~~9.39~~ 9.60'

Well Diameter: 3/4" 1" 2" (4")

Pump Intake Depth (Mid-Point of Screen Zone): 20.54'

Sampling Crew: P. Recchia

Purge Time: Start: 1125 Finish: 1200

Purging Method: Peristaltic Pump

Sample Time: Start: 1205 Finish:

Sampling Method: Low Flow

Sample Analysis: VOCs / SVOCs

Purge Data

Sample Time	Depth to Water* (ft)	Flow Rate (lpm/gpm)	Volume Purged (liters/gals.)	pH (std. Units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (Cel.)	Salinity (%)	ORP (mV)	Comments/Observations
1125	9.60	0.4	Initial	6.57	2.33	127	1.08	14.23	1.2	-70	Well Headspace PID =
1130	10.90'		2	6.58	2.33	145	0.81	14.30	1.2	-67	* Slight brown color /
1135	11.53		4	6.63	2.47	152	0.29	14.30	1.3	-59	some visible turbidity /
1140			6	6.66	2.55	136	0.00	14.31	1.3	-65	Mild HC-like odor
1145			8	6.69	2.58	104	0.00	14.23	1.3	-69	
1150	13.98'			6.70	2.59	101	0.00	14.19	1.3	-81	
1155				6.71	2.60	99.4	0.00	14.17	1.3	-76	
1200	14.93			6.71	2.61	97.6	0.00	14.17	1.3	-72	

* DTW - Record first two readings, final reading, and minimum of once evey 15 minutes during purging

Monitoring Well Sample Data Form

Project: National Grid - Glen Cove **Well ID:** GCMW-08S **Sample Date:** 12/31/24

Total Well Depth (from top of casing): 36.50' **Total Well Depth (From Well Log):** 37'

Depth to Water (from top of casing): 27.20'

Well Diameter: 3/4" 1" (2") 4"

Pump Intake Depth (Mid-Point of Screen Zone):

Sampling Crew: Peter Bacchin

Purge Time: Start: 0940 Finish: 1035

Purging Method: Peristaltic Pump

Sampling Method: Low Flow

Sample Time: Start: 1035 Finish:

Sample Analysis: VOCs / SVOCs

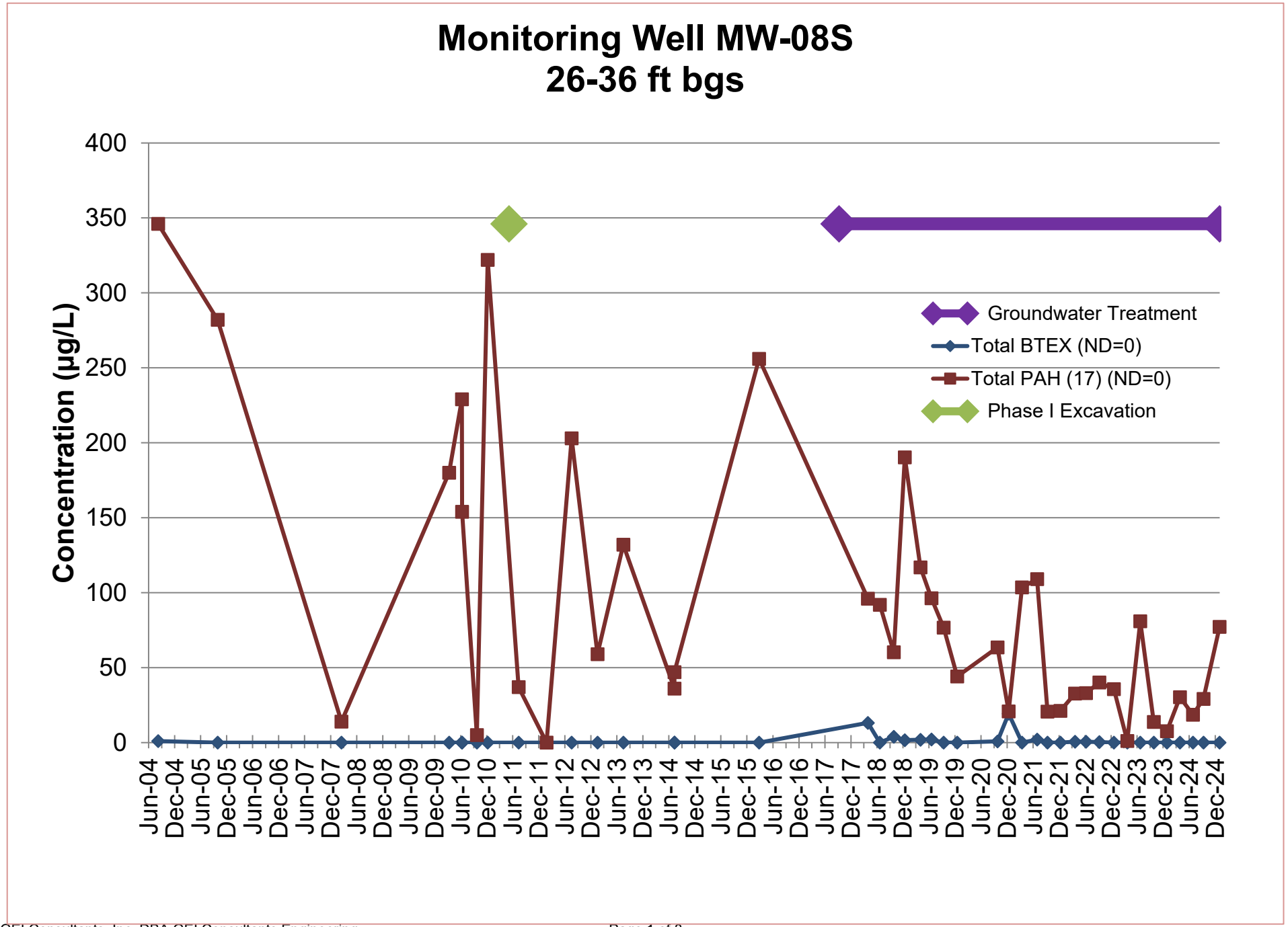
Purge Data

Sample Time	Depth to Water* (ft)	Flow Rate (lpm/gpm)	Volume Purged (liters/gals.)	pH (std. Units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (Cel.)	Salinity (%)	ORP (mV)	Comments/Observations
0940	27.20			6.23	0.181	906	0.00	13.63	0.1	-48	~~Well Headspace PID =~~
0945	33.01			6.25	0.195	734	0.00	13.92	0.1	-41	* Light Brown /
0955	27.91'			6.27	0.186	201	0.00	14.11	0.1	-36	Cloudy / odorless
1005				6.58	0.187	63.5	0.00	14.16	0.1	-20	* ~3 well volumes
1015				6.57	0.187	36.1	0.00	14.28	0.1	-11	removed
1030	27.88'			6.58	0.187	30.9	0.00	14.31	0.1	-9	
1035	32.16'			6.59	0.187	29.8	0.00	14.32	0.1	-1	

well dries

* DTW - Record first two readings, final reading, and minimum of once evey 15 minutes during purging

Appendix B Time Serie Plots


Monitoring Well MW-08S
26-36 ft bgs
Concentration (µg/L)
400
350
300
250
200
150
100
50
0
Jun-04
Dec-04
Jun-05
Dec-05
Jun-06
Dec-06
Jun-07
Dec-07
Jun-08
Dec-08
Jun-09
Dec-09
Jun-10
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
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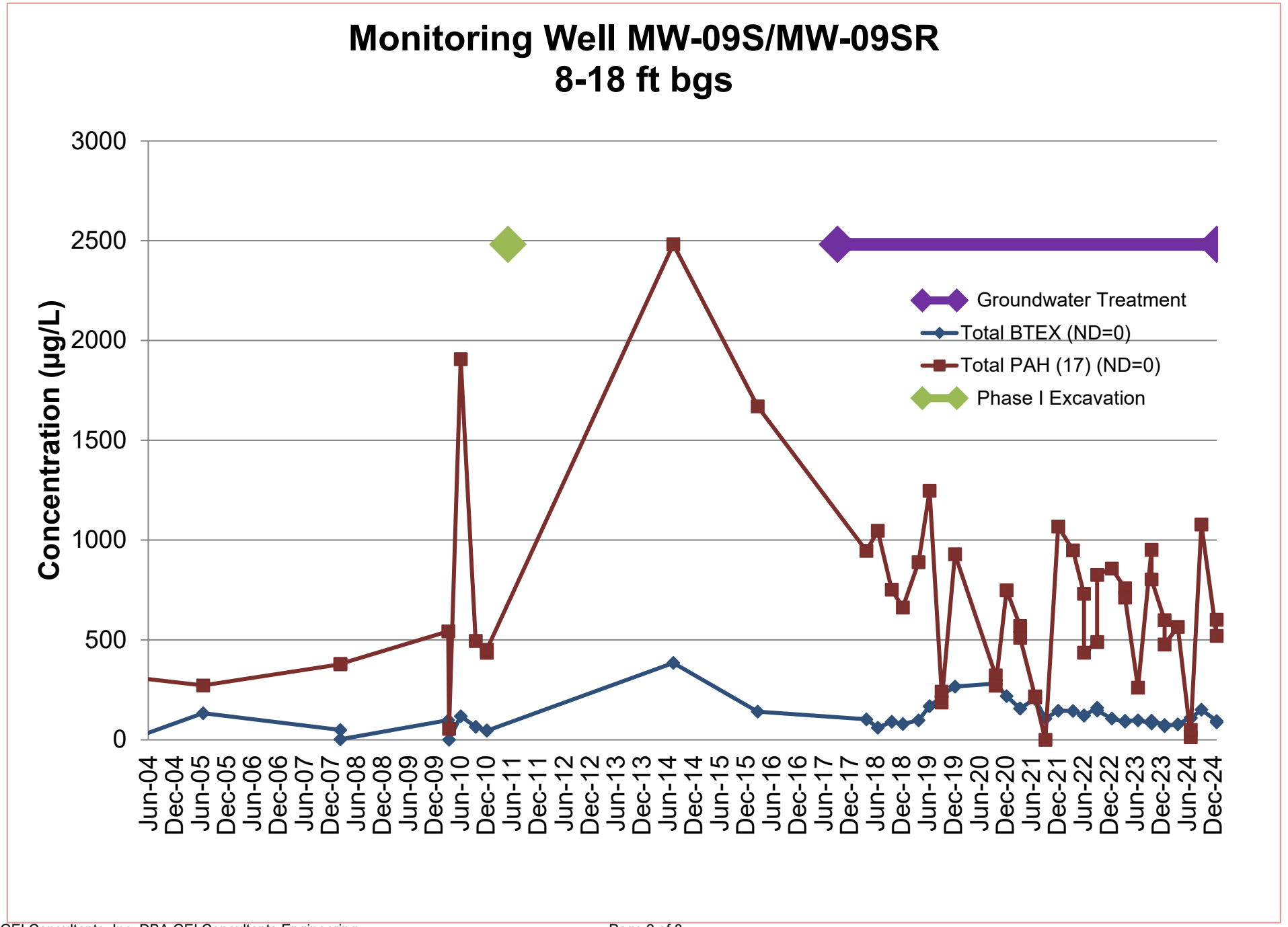
Jun-21
Dec-21
Jun-22
Dec-22
Jun-23
Dec-23
Jun-24
Dec-24
Groundwater Treatment
Total BTEX (ND=0)
Total PAH (17) (ND=0)
Phase I Excavation


Monitoring Well MW-09S/MW-09SR
8-18 ft bgs
Concentration (µg/L)
3000
2500
2000
1500
1000
500
0
Jun-04
Dec-04
Jun-05
Dec-05
Jun-06
Dec-06
Jun-07
Dec-07
Jun-08
Dec-08
Jun-09
Dec-09
Jun-10
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
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Jun-16
Dec-16
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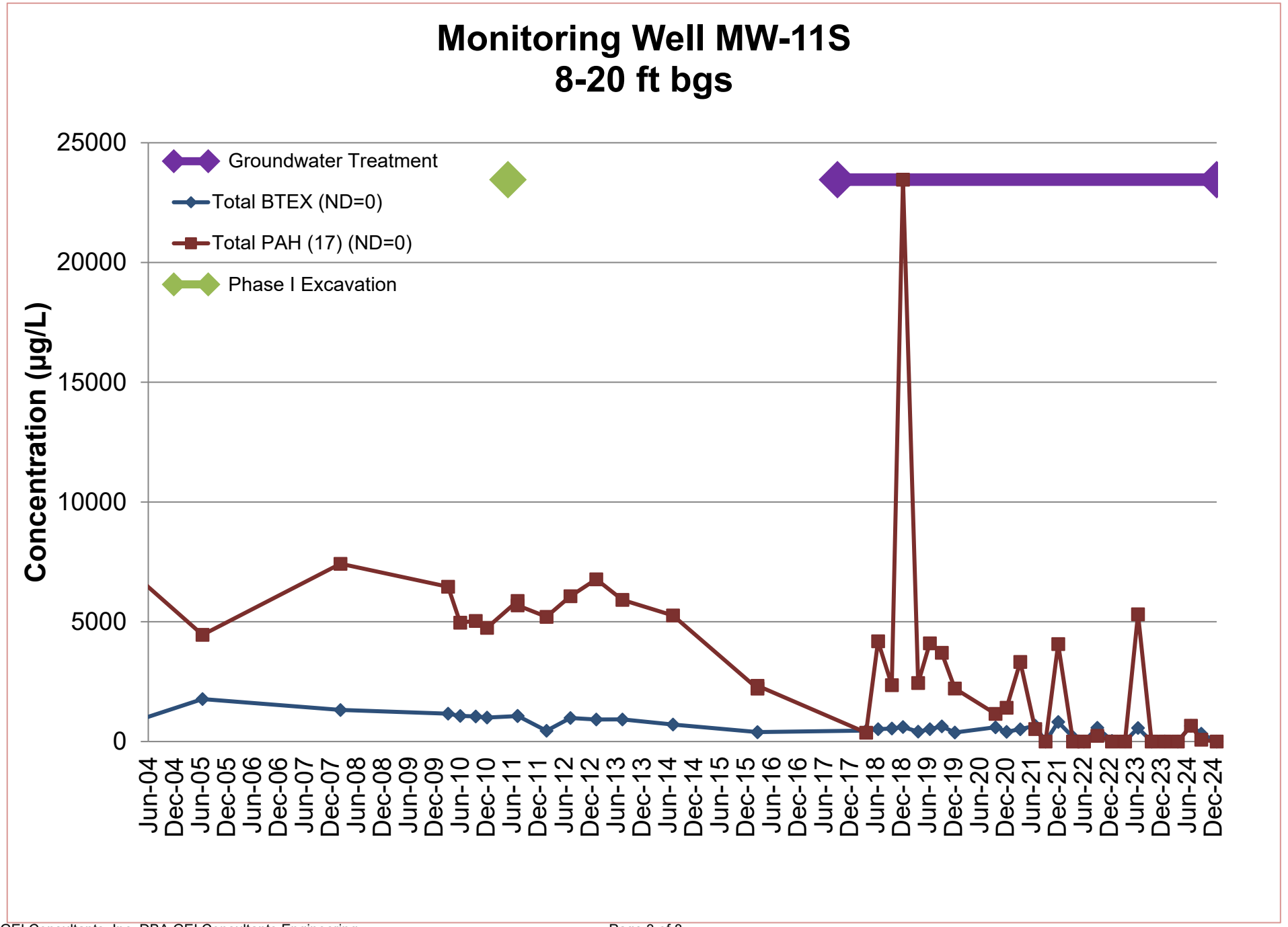
Dec-19
Jun-20
Dec-20
Jun-21
Dec-21
Jun-22
Dec-22
Jun-23
Dec-23
Jun-24
Dec-24
Groundwater Treatment
Total BTEX (ND=0)
Total PAH (17) (ND=0)
Phase I Excavation


Monitoring Well MW-11S
8-20 ft bgs
Concentration (µg/L)
25000
20000
15000
10000
5000
0
Groundwater Treatment
Total BTEX (ND=0)
Total PAH (17) (ND=0)
Phase I Excavation
Jun-04
Dec-04
Jun-05
Dec-05
Jun-06
Dec-06
Jun-07
Dec-07
Jun-08
Dec-08
Jun-09
Dec-09
Jun-10
Dec-10
Jun-11
Dec-11
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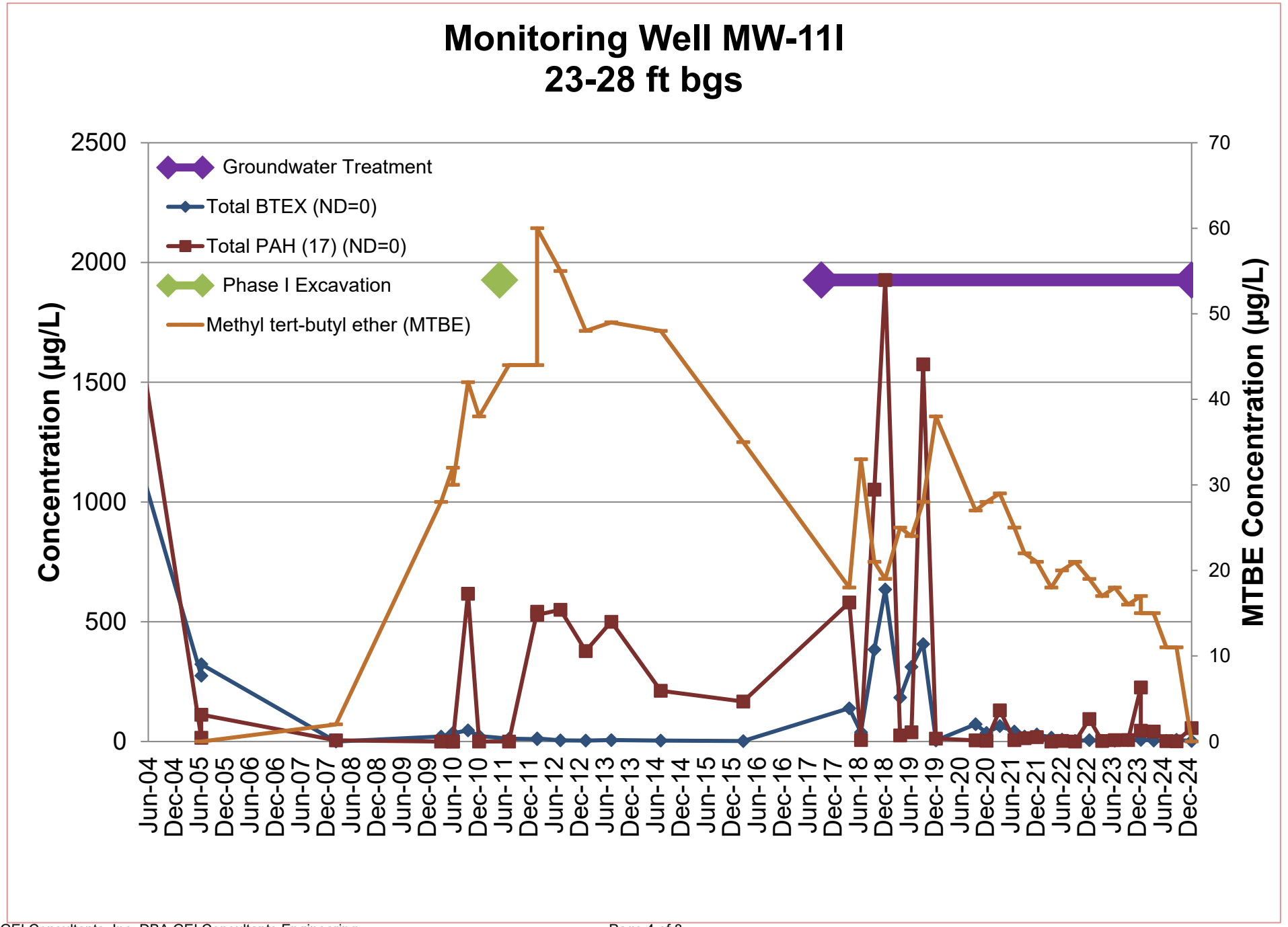
Dec-23
Jun-24
Dec-24


Monitoring Well MW-11I
23-28 ft bgs
Groundwater Treatment
Total BTEX (ND=0)
Total PAH (17) (ND=0)
Phase I Excavation
Methyl tert-butyl ether (MTBE)
Concentration (µg/L)
MTBE Concentration (µg/L)
2500
2000
1500
1000
500
0
70
60
50
40
30
20
10
0
Jun-04
Dec-04
Jun-05
Dec-05
Jun-06
Dec-06
Jun-07
Dec-07
Jun-08
Dec-08
Jun-09
Dec-09
Jun-10
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
Dec-14
Jun-15
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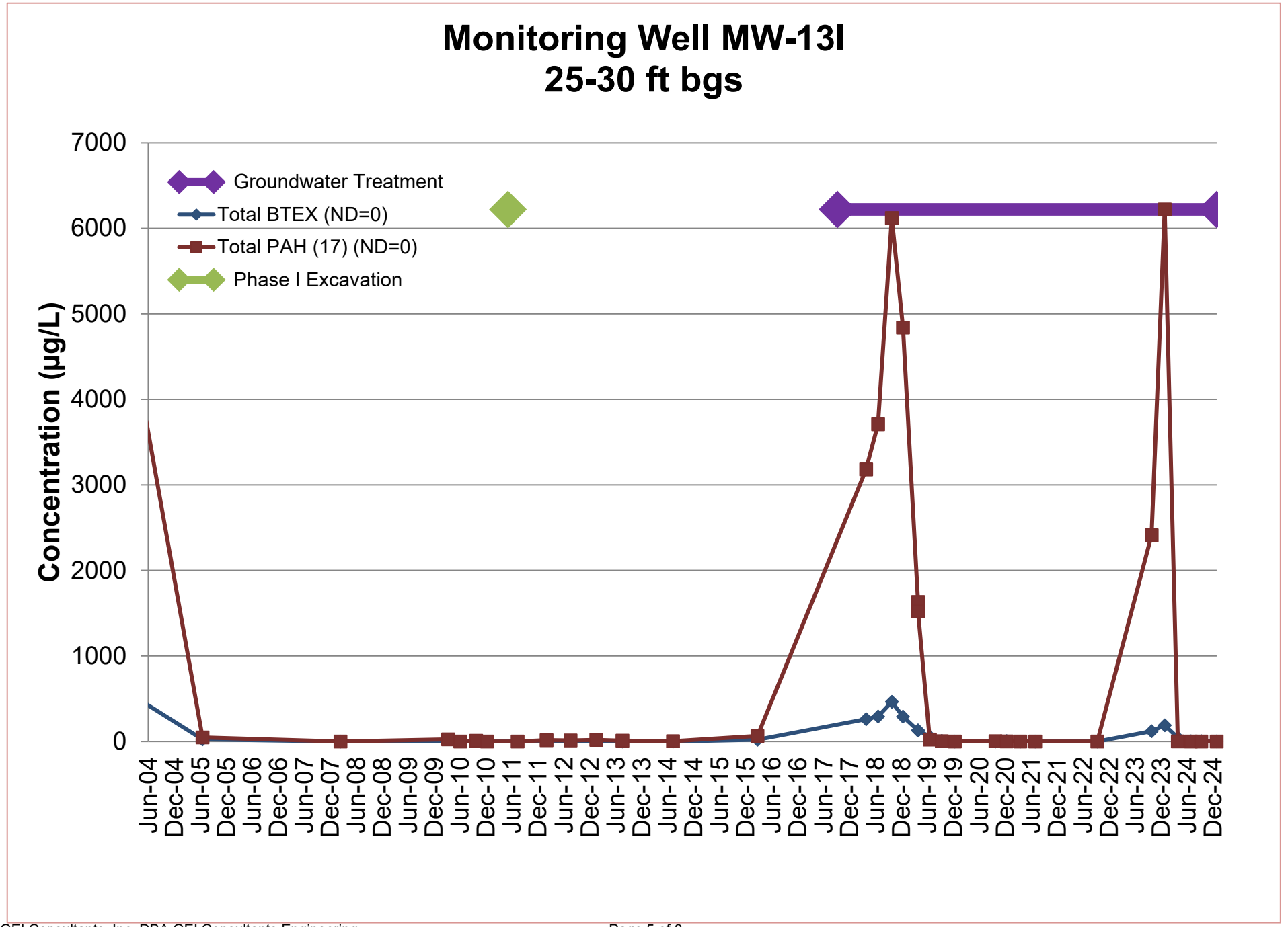
Jun-23
Dec-23
Jun-24
Dec-24


Monitoring Well MW-13I
25-30 ft bgs
Groundwater Treatment
Total BTEX (ND=0)
Total PAH (17) (ND=0)
Phase I Excavation
Concentration (µg/L)
7000
6000
5000
4000
3000
2000
1000
0
Jun-04
Dec-04
Jun-05
Dec-05
Jun-06
Dec-06
Jun-07
Dec-07
Jun-08
Dec-08
Jun-09
Dec-09
Jun-10
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
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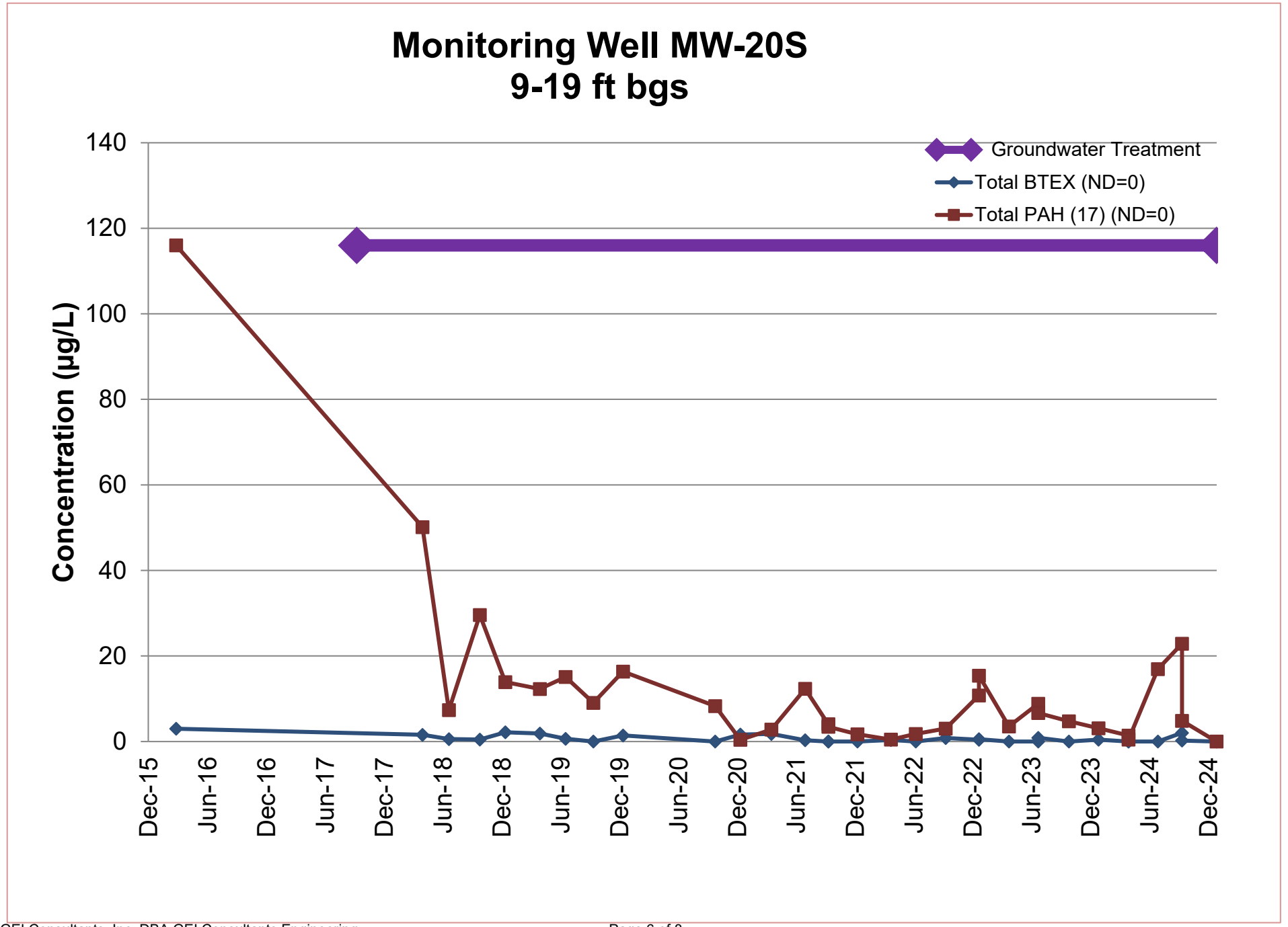
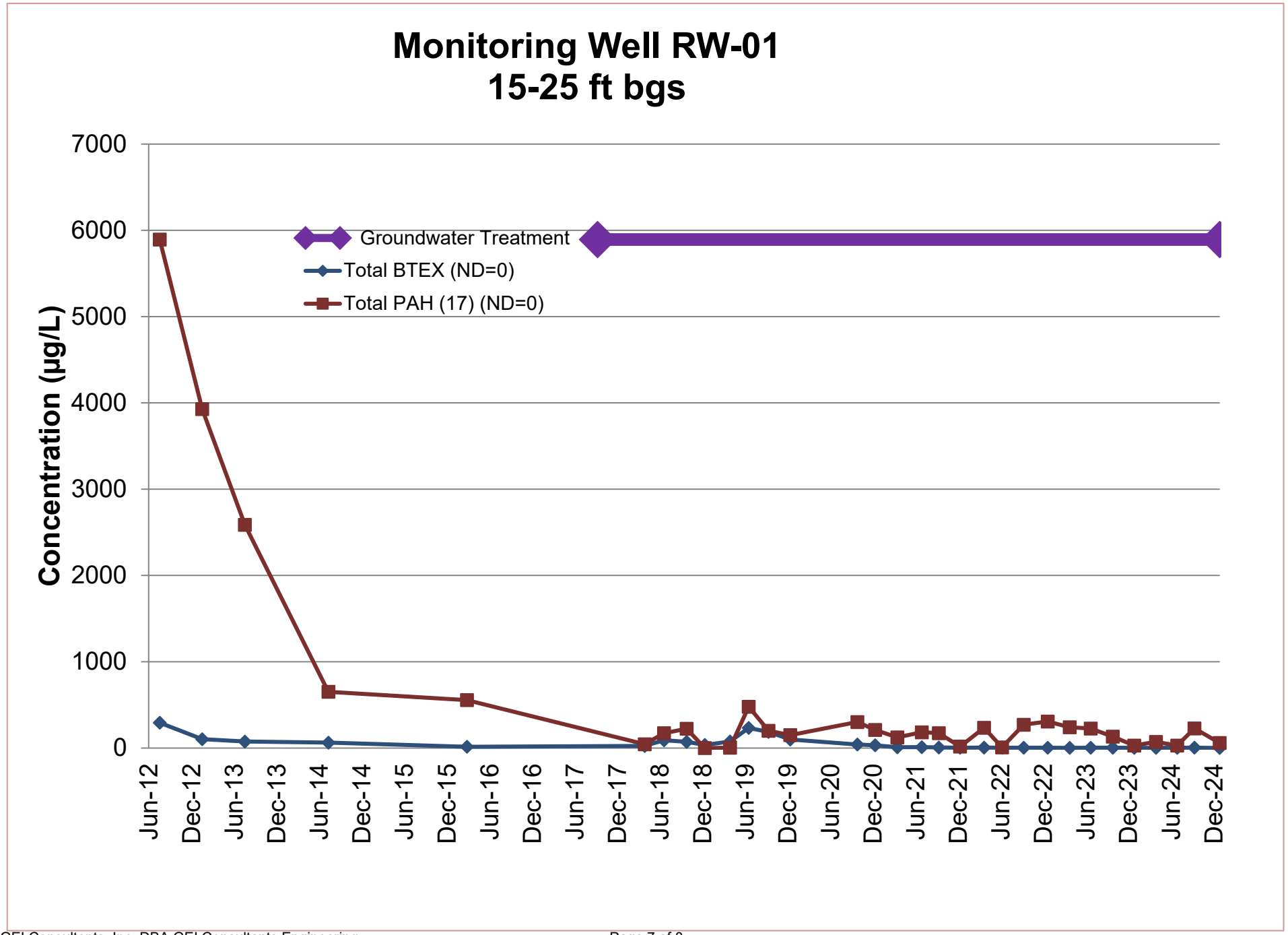
Jun-23
Dec-23
Jun-24
Dec-24


Monitoring Well MW-20S
9-19 ft bgs
Groundwater Treatment
Total BTEX (ND=0)
Total PAH (17) (ND=0)
Concentration (µg/L)
140
120
100
80
60
40
20
0
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Jun-18
Dec-18
Jun-19
Dec-19
Jun-20
Dec-20
Jun-21
Dec-21
Jun-22
Dec-22
Jun-23
Dec-23
Jun-24
Dec-24


Monitoring Well RW-01
15-25 ft bgs
Concentration (µg/L)
7000
6000
5000
4000
3000
2000
1000
0
Groundwater Treatment
Total BTEX (ND=0)
Total PAH (17) (ND=0)
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
Dec-14
Jun-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Jun-18
Dec-18
Jun-19
Dec-19
Jun-20
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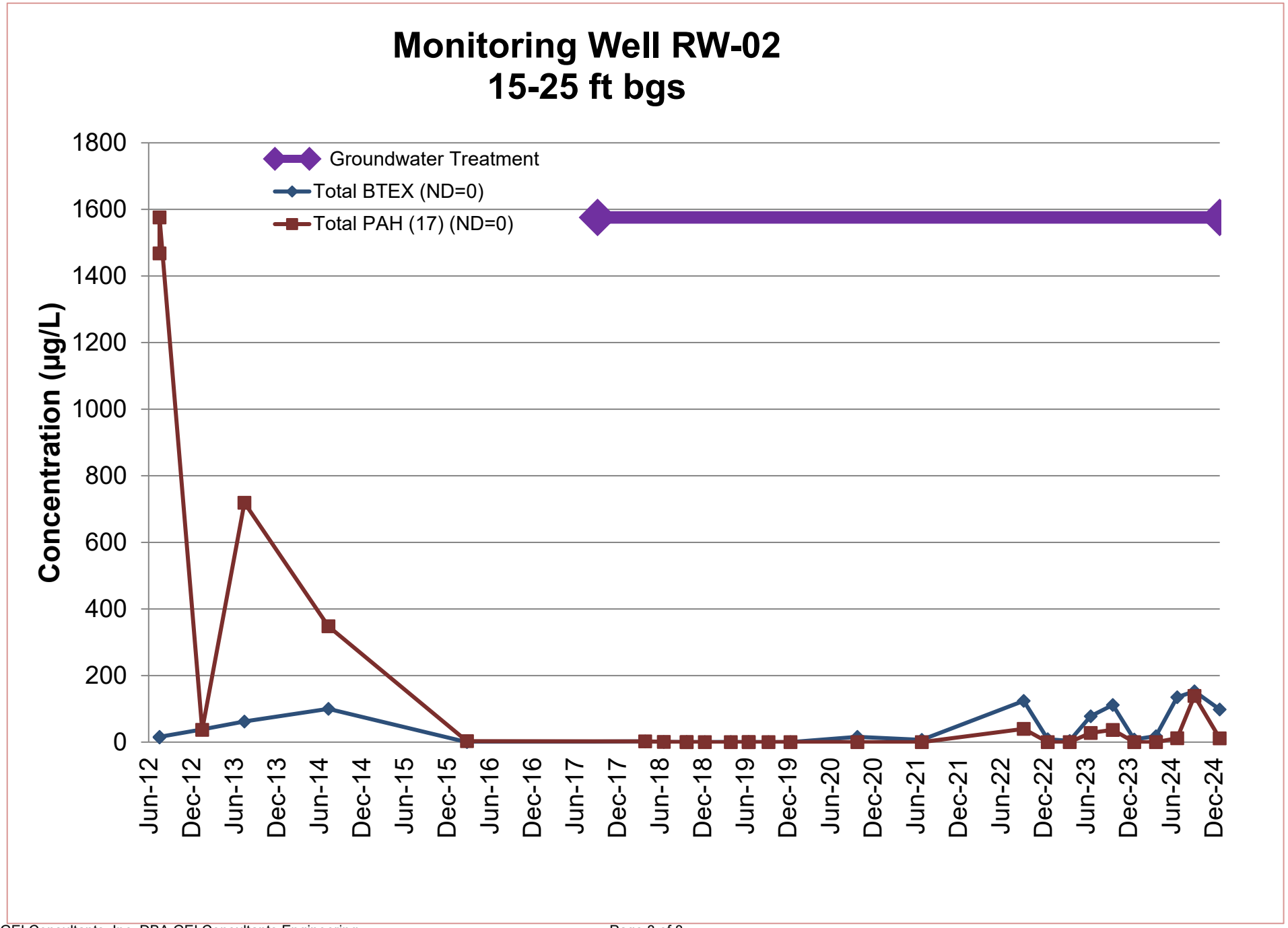
Jun-21
Dec-21
Jun-22
Dec-22
Jun-23
Dec-23
Jun-24
Dec-24


Monitoring Well RW-02
15-25 ft bgs
Groundwater Treatment
Total BTEX (ND=0)
Total PAH (17) (ND=0)
Concentration (µg/L)
1800
1600
1400
1200
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Appendix C Data Usability Summary Report and Form 1 Analytical Reports

Site: Glen Clove Quarterly Groundwater Monitoring
Laboratory: Eurofins, Edison, NJ
Report Number: 460-318022
Reviewer: Bethany Russell/GEI Consultants
Date: January 22, 2025

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
TB-122624	460-318022-1	VOC
GCMW-20S	460-318022-2	VOC, SVOC, metals, cyanide, PCB
GCMW-09S-R	460-318022-3	VOC, SVOC, metals, cyanide, PCB
GCMW-11S	460-318022-4	VOC, SVOC
GCMW-13I	460-318022-5	VOC, SVOC
GCMW-11I	460-318022-6	VOC, SVOC
GCRW-01	460-318022-7	VOC, SVOC
GCRW-02	460-318022-8	VOC, SVOC
DUP-01	460-318022-9	VOC, SVOC, metals, cyanide, PCB
FB-122624	460-318022-10	VOC, SVOC, metals, cyanide, PCB

Associated QC Samples:
Field/Trip Blanks: TB-122624, FB-122624
Field Duplicate Pair: DUP-01/ GCMW-09S-R

The above-listed aqueous samples and field and trip blank samples were collected on December 26, 2024, and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260D, semivolatile organic compounds (SVOCs) by SW-846 method 8270E, metals and cyanide by SW-846 methods 6020B/7470A/9012B, and polychlorinated biphenyls (PCB) by SW-846 method 8082A. The data validation was performed in accordance with the following USEPA Region 2 Documents: Standard Operating Procedure (SOP) for Validation of Volatile Data, QA-HWSS-A-004 (March 2022), SOP for Validation of Semivolatile Data, QA-HWSS-A-005 (April 2022), SOP for Validation of Aroclor (PCB) Data, QA-HWSS-A-006 (April 2022), SOP for ICP-MS Data Validation, QA-HWSS-A-009 (March 2022), SOP for Cyanide Data Validation, QA-HWSS-A-012 (March 2022), as well as by the methods referenced by the data package and professional and technical judgment.

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Internal Standard Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
- Quantitation Limits

- Sample Quantitation and Compound Identification

All results appear usable as reported or usable with minor qualification due to uncertainty for levels below the reporting limit, MS/MSD recovery exceedances, LCS/LCSD recovery exceedances, ICSA interference evaluation exceedances, blank contamination, and continuing calibration exceedances. These results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

Data Completeness

The data package was complete as received by the laboratory.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All initial and continuing calibration criteria were met except where noted below.

Instrument/ Calibration Standard	Compound	Calibration Exceedance	Validation Qualifier
VOCs			
CVOAMS1 CCV 460-1014703/2	Chloromethane	27.8 %D	Estimate (UJ) the nondetect results in the associated samples.
	2-Butanone	30.1 %D	
	Dibromochloromethane	21.7 %D	
	Bromoform	38.4 %D	
Associated samples: TB-122624, GCMW-20S, GCMW-09S-R, GCMW-11S, GCMW-13I, GCMW-11I, GCRW-01, GCRW-02, DUP-01, FB-122624			
Metals			
ICPMS metals ICSA standard Analysis 460-1015061/10	Manganese	Detected >MDL	See ICSA interference evaluation table below.
Associated samples: GCMW-20S, GCMW-09S-R, DUP-01, FB-122624			

Initial calibration (ICAL) relative standard deviation (%RSD) > 20% for VOC and SVOC; estimate (J) positive and blank-qualified (UJ) results only.

Continuing calibration (CCAL) percent difference (%D) > 20% for VOC and SVOC; estimate (J/UJ) positive and nondetect results.
Response factor (RF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.
Reporting limit standard Criteria of 70-130 %R not met: estimate (J/UJ) results <10xRL dependent on recovery.
ICSA Detections >MDL; Evaluation required if sample interferent levels are similar to ICSA sample.

Select metals, which should not be present, were detected above the absolute value of the method detection limit in the ICSA sample analyses. Only samples with interferent levels similar (within 75%) to those of the ICSA sample were considered to be affected. Estimated interferences were determined by multiplying the ICSA interference detected by the ICSA/sample interference level comparison multiplication factor. If the estimated sample interference was at least 10 percent of the sample analyte level, the result was qualified as estimated (J/UJ). The following table summarizes the estimated ICSA interferences for samples which contained interferent levels similar to those of the ICSA sample.

Analyte Detected in ICSA	ICSA Detection (ug/L)	Sample/ICSA Interferent Comparison	Estimated Interference in Sample (ug/L)	Sample Level (ug/L)	Validation Actions
Manganese	0.959	GCMW-20S (Ca 1.16x)	1.11	3655.423	Validation action was not required as estimated interference is less than 10% of the sample level.

Blanks

Contamination was not detected in the laboratory instrument and method blank samples, field, and trip blank samples except where noted below.

Analyte	Blank ID/ Associated Samples	Concentration Detected	2X Action Level	10X Action Level	Validation Actions
Lead	CCB 460-1015061/80/ GCMW-20S, GCMW-09S-R, DUP-01, FB-122624	0.512 ug/L	1.02 ug/L	5.12 ug/L	Qualify the detect result for lead in sample DUP-01 as nondetect (U) at the reporting limit.

Blank Actions:
If the sample result is < RL; report the result as nondetect (U) at the reporting limit (RL).
If the sample result is ≥ RL and <2x blank contamination detected; report the result as nondetect (U) at the reported value.
If the sample result is ≥ RL and < 10x Action Level; professional judgment was taken to report the sample result as estimated (J); biased high.
If the sample result is nondetect or > 10x Action Level; validation action is not required.

Surrogate Recoveries

All surrogate recovery criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample GCMW-09S-R for VOCs, SVOCs, metals, PCBs, and cyanide. All recovery and precision criteria were met except where noted below.

MS/MSD Sample GCMW-09S-R					
Analyte	**MS (%)**	**MSD (%)**	**RPD (%)**	**Control Limits**	**Validation Action/Bias**
PCBs					
Aroclor 1260	129	-	-	42-126	Validation action was not required as sample was nondetect and not affected by the high bias.
Cyanide					
Total Cyanide	155	122	-	90-110	Estimate (J) the detect result for the affected compound. High bias.
VOCs					
Bromoform	133	155	-	58-128	Validation action not required as sample is nondetect and not affected by the high bias.
2-Butanone	-	152	-	65-142	
2-Hexanone	-	153	-	72-134	
4-Methyl-2-pentanone	-	138	-	77-130	
Dibromochloromethane	-	139	-	73-121	
Styrene	-	130	-	82-127	
SVOCs					
3,3-Dichlorobenzidine	53	45	-	55-145	Estimate (UJ) the nondetect result for he affected compounds. Low bias.
3-Nitroaniline	-	44	-	51-120	
4-Chloroaniline	-	39	-	43-120	
Acenaphthene	162	9	40	62-127	
Acenaphthylene	140	-	38	58-122, 30	
Anthracene	133	-	44	67-127, 30	

Bis(2-ethylhexyl)phthalate	161	-	53	65-144, 30	Estimate (J) the detect results for the affected compounds. High bias, low bias, precision exceedances.
Dibenzofuran	132	-	40	64-125, 30	
Fluoranthene	-	-	49	30	
Fluorene	145	56	41	67-125, 30	
Phenanthrene	151	31	51	68-126, 30	
2-Methylnaphthalene	-	-	42	30	
Carbazole	-	-	42	30	
Pyrene	-	-	38	30	
4-Bromophenyl phenyl ether	133	-	42	59-132, 30	Validation action not required as sample is nondetect and not affected by the high bias or precision exceedance.
4-Chlorophenyl phenyl ether	129	-	38	65-127, 30	
Benzo(g,h,i)perylene	145	-	44	52-143, 30	
Hexachlorocyclopentadiene	154	-	42	10-135, 30	
N-Nitrosodiphenylamine	132	-	40	66-128, 30	
1,2,4-Trichlorobenzene	-	-	36	30	
1,2-Dichlorobenzene	-	-	36	30	
1,3-Dichlorobenzene	-	-	34	30	
1,4-Dichlorobenzene	-	-	34	30	
2,2-oxybis(1-Chloropropane)	-	-	32	30	
2,4,5-Trichlorophenol	-	-	37	30	
2,4,6-Trichlorophenol	-	-	36	30	

2,4-Dichlorophenol	-	-	33	30	Validation action not required as sample is nondetect and not affected by the high bias or precision exceedance.
2,4-Dimethylphenol	-	-	34	30	
2,4-Dinitrophenol	-	-	36	30	
2,4-Dinitrotoluene	-	-	33	30	
2,6-Dinitrotoluene	-	-	33	30	
2-Chloronaphthalene	-	-	39	30	
2-Chlorophenol	-	-	32	30	
2-Nitroaniline	-	-	34	30	
2-Nitrophenol	-	-	34	30	
4,6-Dinitro-2-methylphenol	-	-	44	30	
4-Chloro-3-methylphenol	-	-	34	30	
4-Nitrophenol	-	-	33	30	
Benzo(a)anthracene	-	-	44	30	
Benzo(a)pyrene	-	-	42	30	
Benzo(b)fluoranthene	-	-	43	30	
Benzo(k)fluoranthene	-	-	44	30	
Bis(2-chloroethoxy)methane	-	-	32	30	
Bis(2-chloroethyl)ether	-	-	32	30	
Butyl benzyl phthalate	-	-	41	30	
Chrysene	-	-	42	30	

Dibenz(a,h)anthracene	-	-	43	30	Validation action not required as sample is nondetect and not affected by the high bias or precision exceedance.
Diethyl phthalate	-	-	34	30	
Di-n-butyl phthalate	-	-	45	30	
Di-n-octyl phthalate	-	-	46	30	
Hexachlorobenzene	-	-	41	30	
1,3-Hexachlorobutadiene	-	-	39	30	
Hexachloroethane	-	-	34	30	
Indeno(1,2,3-cd)pyrene	-	-	44	30	
Isophorone	-	-	33	30	
Nitrobenzene	-	-	32	30	
N-Nitrosodi-n-propylamine	-	-	31	30	
Pentachlorophenol	-	-	50	30	
Phenol	-	-	32	30	
Naphthalene	-	-105	-	39-126	Validation action was not required as sample amount was more than four times the spike amount.

Internal Standard Results

All criteria were met.

Field Duplicate Results

Samples DUP-01 and GCMW-09S-R were identified as the field duplicate pair. The following table summarizes the RPDs of the detected analytes in the field duplicate pairs which were within the acceptance criteria.

Analyte	GCMW-09S-R (ug/L)	DUP-01 (ug/L)	RPD (%)
Aluminum	37.8 J	69.8	Within 2x RL
Arsenic	7.5	7.5	0

Barium	100	102	1.9
Calcium	69700	71200	2.1
Cobalt	0.70 J	0.70 J	Within 2x RL
Iron	12700	12400	2.4
Magnesium	12800	12600	1.6
Manganese	4300	3950	8.5
Potassium	4310	4070	5.7
Sodium	11300	11000	2.7
Zinc	4.2 J	16 U	NC, Within 2x RL
1,1-Dichloroethane	0.74 J	0.76 J	Within 2x RL
Benzene	2.3	2.4	4.3
Ethylbenzene	43	47	8.9
Toluene	1.9	1.9	Within 2x RL
Total Xylene	40	43	7.2
2-Methylnaphthalene	28	22	24
Acenaphthene	120	110	8.7
Acenaphthylene	2.9 J	2.6 J	Within 2x RL
Anthracene	8.2 J	6.2 J	Within 2x RL
Bis(2-ethylhexyl)phthalate	1.9 J	2.0 U	NC, Within 2x RL
Carbazole	2.4 J	2.1 J	Within 2x RL
Dibenzofuran	9.4 J	8.1 J	Within 2x RL
Fluoranthene	4.5 J	3.2 J	Within 2x RL
Fluorene	46	40	13.9
Naphthalene	330	290	12.9
Phenanthrene	57	43	28
Pyrene	4.8 J	3.3 J	Within 2x RL
Total Cyanide	43.9	46.8	6.4
NC – Not calculable Criteria: When both results are ≥5x the RL, RPDs must be <30%. When results are < 5x the RL, the absolute difference between the original and field duplicate must be < 2xRL			

LCS/LCSD Results

All compound recovery and precision criteria were met in the LCS and/or LCSD samples except where noted below.

Compound	Recovery (%)	RPD (%)	Control Limits (%)	LCS ID	Validation Action/Bias
VOCs					
Bromoform	134, 141	-	58-128	LCS/LCSD 460-1014703	Validation action was not required as the compounds were nondetect in the associated samples and therefore results were not affected by the potential high bias.
Dibromochloromethane	-,128	-	73-121		
Associated samples: TB-122624, GCMW-20S, GCMW-09S-R, GCMW-11S, GCMW-13I, GCMW-11I, GCRW-01, GCRW-02, DUP-01, FB-122624					
PCBs					

Aroclor 1016	121	-	42-120	LCSD 460-1014372	Validation action was not required as the compounds were nondetect in the associated samples and therefore results were not affected by the potential high bias.
Aroclor 1260	134	-	42-126		
Associated samples: GCMW-20S, GCMW-09S-R, DUP-01, FB-122624					

Serial Dilution Results

A serial dilution analysis was performed on sample GCMW-09S-R for metals. Precision criteria were met.

Quantitation Limits

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). If detected, these results were qualified as estimated (J) by the laboratory. The direction of the bias is indeterminate for these results.

The following table lists the sample dilutions and analyses which were performed.

Sample	Analysis	Dilution/Re-analyses Performed
GCMW-09S-R	SVOCs	The sample was analyzed undiluted and at a 10-fold dilution for naphthalene. The results were combined to be within the calibration range and at the lowest reporting limits.
DUP-01	SVOCs	The sample was analyzed undiluted and at a 10-fold dilution for naphthalene. The results were combined to be within the calibration range and at the lowest reporting limits.

Sample Quantitation and Compound Identification

Compound identification criteria were met. Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Client Sample Results

Client: GEI Consultants Inc
Project/Site: National Grid - Downstate Glen Cove

Job ID: 460-318022-1

Client Sample ID: TB-122624

Date Collected: 12/26/24 00:00
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-1
Matrix: Water

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			12/31/24 12:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 12:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 12:03	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/31/24 12:03	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 12:03	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 12:03	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 12:03	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 12:03	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 12:03	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 12:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 12:03	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 12:03	1
Benzene	1.0	U	1.0	0.20	ug/L			12/31/24 12:03	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 12:03	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 12:03	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 12:03	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 12:03	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 12:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 12:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 12:03	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 12:03	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 12:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 12:03	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 12:03	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/31/24 12:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/31/24 12:03	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 12:03	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 12:03	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			12/31/24 12:03	1
Toluene	1.0	U	1.0	0.38	ug/L			12/31/24 12:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 12:03	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 12:03	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 12:03	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			12/31/24 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 128*		*12/31/24 12:03*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*12/31/24 12:03*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 132*		*12/31/24 12:03*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*12/31/24 12:03*	*1*

Client Sample ID: GCMW-20S

Date Collected: 12/26/24 08:50
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-2
Matrix: Water

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			12/31/24 14:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 14:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 14:30	1

BCR 1/2/25

Client Sample ID: GCMW-20S

Date Collected: 12/26/24 08:50
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/31/24 14:30	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 14:30	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 14:30	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 14:30	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 14:30	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 14:30	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 14:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 14:30	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 14:30	1
Benzene	1.0	U	1.0	0.20	ug/L			12/31/24 14:30	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 14:30	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 14:30	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 14:30	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 14:30	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 14:30	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 14:30	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 14:30	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 14:30	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 14:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 14:30	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 14:30	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/31/24 14:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/31/24 14:30	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 14:30	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 14:30	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			12/31/24 14:30	1
Toluene	1.0	U	1.0	0.38	ug/L			12/31/24 14:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 14:30	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 14:30	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 14:30	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			12/31/24 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 128*		*12/31/24 14:30*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*12/31/24 14:30*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 132*		*12/31/24 14:30*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/31/24 14:30*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 15:33	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 15:33	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 15:33	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 15:33	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 15:33	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 15:33	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 15:33	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 15:33	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 15:33	1
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 15:33	1

BLR 1/21/25

Client Sample ID: GCMW-20S
Date Collected: 12/26/24 08:50
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 15:33	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 15:33	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 15:33	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 15:33	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		12/29/24 10:53	12/29/24 15:33	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 15:33	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 15:33	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 15:33	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		12/29/24 10:53	12/29/24 15:33	1
3-Nitroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 15:33	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 15:33	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 15:33	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 15:33	1
4-Chloroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 15:33	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 15:33	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 15:33	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 15:33	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 15:33	1
Acenaphthene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 15:33	1
Acenaphthylene	10	U	10	0.82	ug/L		12/29/24 10:53	12/29/24 15:33	1
Anthracene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 15:33	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 15:33	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 15:33	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 15:33	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 15:33	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 15:33	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 15:33	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 15:33	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 15:33	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 15:33	1
Carbazole	10	U	10	0.68	ug/L		12/29/24 10:53	12/29/24 15:33	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 15:33	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 15:33	1
Dibenzofuran	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 15:33	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 15:33	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 15:33	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 15:33	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 15:33	1
Fluoranthene	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 15:33	1
Fluorene	10	U	10	0.91	ug/L		12/29/24 10:53	12/29/24 15:33	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 15:33	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 15:33	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 15:33	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 15:33	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 15:33	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 15:33	1
Naphthalene	2.0	U	2.0	0.54	ug/L		12/29/24 10:53	12/29/24 15:33	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 15:33	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 15:33	1

Client Sample ID: GCMW-20S

Date Collected: 12/26/24 08:50
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-2

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 15:33	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 15:33	1
Phenanthrene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 15:33	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 15:33	1
Pyrene	10	U	10	1.6	ug/L		12/29/24 10:53	12/29/24 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*37 - 150*	*12/29/24 10:53*	*12/29/24 15:33*	*1*
2-Fluorobiphenyl	*64*		*46 - 139*	*12/29/24 10:53*	*12/29/24 15:33*	*1*
2-Fluorophenol (Surr)	*30*		*16 - 80*	*12/29/24 10:53*	*12/29/24 15:33*	*1*
Nitrobenzene-d5 (Surr)	*69*		*51 - 145*	*12/29/24 10:53*	*12/29/24 15:33*	*1*
Phenol-d5 (Surr)	*21*		*10 - 56*	*12/29/24 10:53*	*12/29/24 15:33*	*1*
Terphenyl-d14 (Surr)	*21*		*13 - 159*	*12/29/24 10:53*	*12/29/24 15:33*	*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		12/29/24 07:56	12/30/24 13:18	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:18	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:18	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:18	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:18	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 13:18	1
Aroclor 1260	0.40	U *	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 13:18	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 13:18	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 13:18	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*18 - 145*	*12/29/24 07:56*	*12/30/24 13:18*	*1*
DCB Decachlorobiphenyl	*50*		*18 - 145*	*12/29/24 07:56*	*12/30/24 13:18*	*1*
Tetrachloro-m-xylene	*51*		*21 - 124*	*12/29/24 07:56*	*12/30/24 13:18*	*1*
Tetrachloro-m-xylene	*49*		*21 - 124*	*12/29/24 07:56*	*12/30/24 13:18*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**20700**		40.0	11.7	ug/L		01/03/25 10:06	01/03/25 16:13	1
Antimony	**34.7**		2.0	0.48	ug/L		01/03/25 10:06	01/03/25 16:13	1
Arsenic	**13.3**		2.0	1.2	ug/L		01/03/25 10:06	01/03/25 16:13	1
Barium	**357**		4.0	0.93	ug/L		01/03/25 10:06	01/03/25 16:13	1
Beryllium	**1.3**		0.80	0.12	ug/L		01/03/25 10:06	01/03/25 16:13	1
Cadmium	**1.7**	J	2.0	0.38	ug/L		01/03/25 10:06	01/03/25 16:13	1
Calcium	**116000**		500	31.7	ug/L		01/03/25 10:06	01/03/25 16:13	1
Chromium	**52.6**		4.0	1.7	ug/L		01/03/25 10:06	01/03/25 16:13	1
Cobalt	**20.4**		4.0	0.41	ug/L		01/03/25 10:06	01/03/25 16:13	1
Copper	**68.0**		4.0	2.0	ug/L		01/03/25 10:06	01/03/25 16:13	1
Iron	**45000**		120	33.7	ug/L		01/03/25 10:06	01/03/25 16:13	1
Lead	**67.2**		1.2	0.42	ug/L		01/03/25 10:06	01/03/25 16:13	1
Magnesium	**32100**		200	21.8	ug/L		01/03/25 10:06	01/03/25 16:13	1
Manganese	**3660**		8.0	0.84	ug/L		01/03/25 10:06	01/03/25 16:13	1
Nickel	**43.1**		4.0	1.4	ug/L		01/03/25 10:06	01/03/25 16:13	1

Client Sample ID: GCMW-20S

Date Collected: 12/26/24 08:50
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**10700**		200	83.3	ug/L		01/03/25 10:06	01/03/25 16:13	1
Selenium	**8.4**		2.5	0.43	ug/L		01/03/25 10:06	01/03/25 16:13	1
Silver	2.0	U	2.0	1.3	ug/L		01/03/25 10:06	01/03/25 16:13	1
Sodium	**39700**		500	180	ug/L		01/03/25 10:06	01/03/25 16:13	1
Thallium	0.80	U	0.80	0.19	ug/L		01/03/25 10:06	01/03/25 16:13	1
Vanadium	**53.2**		4.0	1.0	ug/L		01/03/25 10:06	01/03/25 16:13	1
Zinc	**346**		16.0	4.2	ug/L		01/03/25 10:06	01/03/25 16:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**		0.20	0.091	ug/L		01/03/25 11:23	01/03/25 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**6.6**	**J**	10.0	4.0	ug/L		12/31/24 19:45	12/31/24 21:12	1

Client Sample ID: GCMW-09S-R

Date Collected: 12/26/24 09:00
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-3
Matrix: Water

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			12/31/24 14:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 14:54	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 14:54	1
1,1-Dichloroethane	**0.74**	**J**	1.0	0.26	ug/L			12/31/24 14:54	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 14:54	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 14:54	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 14:54	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 14:54	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 14:54	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 14:54	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 14:54	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 14:54	1
Benzene	**2.3**		1.0	0.20	ug/L			12/31/24 14:54	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 14:54	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 14:54	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 14:54	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 14:54	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 14:54	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 14:54	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 14:54	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 14:54	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 14:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 14:54	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 14:54	1
Ethylbenzene	**43**		1.0	0.30	ug/L			12/31/24 14:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/31/24 14:54	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 14:54	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 14:54	1

BLR 1/21/25

Client Sample ID: GCMW-09S-R

Date Collected: 12/26/24 09:00
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			12/31/24 14:54	1
Toluene	**1.9**		1.0	0.38	ug/L			12/31/24 14:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 14:54	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 14:54	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 14:54	1
Xylenes, Total	**40**		2.0	0.65	ug/L			12/31/24 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 128*		*12/31/24 14:54*	*1*
4-Bromofluorobenzene	*114*		*76 - 120*		*12/31/24 14:54*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 132*		*12/31/24 14:54*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/31/24 14:54*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 18:21	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 18:21	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 18:21	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 18:21	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 18:21	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 18:21	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 18:21	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 18:21	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 18:21	1
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 18:21	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 18:21	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 18:21	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 18:21	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 18:21	1
2-Methylnaphthalene	**28**	J	10	0.53	ug/L		12/29/24 10:53	12/29/24 18:21	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 18:21	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 18:21	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 18:21	1
3,3'-Dichlorobenzidine	10	UJ	10	1.4	ug/L		12/29/24 10:53	12/29/24 18:21	1
3-Nitroaniline	10	UJ	10	1.9	ug/L		12/29/24 10:53	12/29/24 18:21	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 18:21	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 18:21	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 18:21	1
4-Chloroaniline	10	UJ	10	1.9	ug/L		12/29/24 10:53	12/29/24 18:21	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 18:21	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 18:21	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 18:21	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 18:21	1
Acenaphthene	**120**	J	10	1.1	ug/L		12/29/24 10:53	12/29/24 18:21	1
Acenaphthylene	**2.9**	J	10	0.82	ug/L		12/29/24 10:53	12/29/24 18:21	1
Anthracene	**8.2**	J	10	1.3	ug/L		12/29/24 10:53	12/29/24 18:21	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 18:21	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 18:21	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 18:21	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 18:21	1

BCR 1/21/25

Client Sample ID: GCMW-09S-R

Date Collected: 12/26/24 09:00
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 18:21	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 18:21	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 18:21	1
Bis(2-ethylhexyl) phthalate	**1.9**	**J**	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 18:21	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 18:21	1
Carbazole	**2.4**	**J**	10	0.68	ug/L		12/29/24 10:53	12/29/24 18:21	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 18:21	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 18:21	1
Dibenzofuran	**9.4**	**J**	10	1.1	ug/L		12/29/24 10:53	12/29/24 18:21	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 18:21	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 18:21	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 18:21	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 18:21	1
Fluoranthene	**4.5**	**J**	10	0.84	ug/L		12/29/24 10:53	12/29/24 18:21	1
Fluorene	**46**	J	10	0.91	ug/L		12/29/24 10:53	12/29/24 18:21	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 18:21	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 18:21	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 18:21	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 18:21	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 18:21	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 18:21	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 18:21	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 18:21	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 18:21	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 18:21	1
Phenanthrene	**57**	J	10	1.3	ug/L		12/29/24 10:53	12/29/24 18:21	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 18:21	1
Pyrene	**4.8**	**J**	10	1.6	ug/L		12/29/24 10:53	12/29/24 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*37 - 150*	*12/29/24 10:53*	*12/29/24 18:21*	*1*
2-Fluorobiphenyl	*71*		*46 - 139*	*12/29/24 10:53*	*12/29/24 18:21*	*1*
2-Fluorophenol (Surr)	*42*		*16 - 80*	*12/29/24 10:53*	*12/29/24 18:21*	*1*
Nitrobenzene-d5 (Surr)	*78*		*51 - 145*	*12/29/24 10:53*	*12/29/24 18:21*	*1*
Phenol-d5 (Surr)	*28*		*10 - 56*	*12/29/24 10:53*	*12/29/24 18:21*	*1*
Terphenyl-d14 (Surr)	*50*		*13 - 159*	*12/29/24 10:53*	*12/29/24 18:21*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**330**		20	5.4	ug/L		12/29/24 10:53	12/31/24 08:52	10

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		12/29/24 07:56	12/30/24 13:35	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:35	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:35	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:35	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:35	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 13:35	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 13:35	1

BCR 1/21/25

Client Sample ID: GCMW-09S-R

Date Collected: 12/26/24 09:00
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-3
Matrix: Water

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1262	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 13:35	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 13:35	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*18 - 145*	*12/29/24 07:56*	*12/30/24 13:35*	*1*
DCB Decachlorobiphenyl	*105*		*18 - 145*	*12/29/24 07:56*	*12/30/24 13:35*	*1*
Tetrachloro-m-xylene	*80*		*21 - 124*	*12/29/24 07:56*	*12/30/24 13:35*	*1*
Tetrachloro-m-xylene	*82*		*21 - 124*	*12/29/24 07:56*	*12/30/24 13:35*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**37.8**	**J**	40.0	11.7	ug/L		01/03/25 10:06	01/03/25 15:07	1
Antimony	2.0	U	2.0	0.48	ug/L		01/03/25 10:06	01/03/25 15:07	1
Arsenic	**7.5**		2.0	1.2	ug/L		01/03/25 10:06	01/03/25 15:07	1
Barium	**100**		4.0	0.93	ug/L		01/03/25 10:06	01/03/25 15:07	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/03/25 10:06	01/03/25 15:07	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/03/25 10:06	01/03/25 15:07	1
Calcium	**69700**		500	31.7	ug/L		01/03/25 10:06	01/03/25 15:07	1
Chromium	4.0	U	4.0	1.7	ug/L		01/03/25 10:06	01/03/25 15:07	1
Cobalt	**0.70**	**J**	4.0	0.41	ug/L		01/03/25 10:06	01/03/25 15:07	1
Copper	4.0	U	4.0	2.0	ug/L		01/03/25 10:06	01/03/25 15:07	1
Iron	**12700**		120	33.7	ug/L		01/03/25 10:06	01/03/25 15:07	1
Lead	1.2	U	1.2	0.42	ug/L		01/03/25 10:06	01/03/25 15:07	1
Magnesium	**12800**		200	21.8	ug/L		01/03/25 10:06	01/03/25 15:07	1
Manganese	**4300**		8.0	0.84	ug/L		01/03/25 10:06	01/03/25 15:07	1
Nickel	4.0	U	4.0	1.4	ug/L		01/03/25 10:06	01/03/25 15:07	1
Potassium	**4310**		200	83.3	ug/L		01/03/25 10:06	01/03/25 15:07	1
Selenium	2.5	U	2.5	0.43	ug/L		01/03/25 10:06	01/03/25 15:07	1
Silver	2.0	U	2.0	1.3	ug/L		01/03/25 10:06	01/03/25 15:07	1
Sodium	**11300**		500	180	ug/L		01/03/25 10:06	01/03/25 15:07	1
Thallium	0.80	U	0.80	0.19	ug/L		01/03/25 10:06	01/03/25 15:07	1
Vanadium	4.0	U	4.0	1.0	ug/L		01/03/25 10:06	01/03/25 15:07	1
Zinc	**4.2**	**J**	16.0	4.2	ug/L		01/03/25 10:06	01/03/25 15:07	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		01/03/25 11:23	01/03/25 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**43.9**	J	10.0	4.0	ug/L		12/31/24 19:45	12/31/24 21:10	1

Client Sample ID: GCMW-11S

Date Collected: 12/26/24 10:10
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-4
Matrix: Water

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			12/31/24 15:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 15:19	1

BCR 1/21/25

Client Sample ID: GCMW-11S

Date Collected: 12/26/24 10:10
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 15:19	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/31/24 15:19	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 15:19	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 15:19	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 15:19	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 15:19	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 15:19	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 15:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 15:19	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 15:19	1
Benzene	1.0	U	1.0	0.20	ug/L			12/31/24 15:19	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 15:19	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 15:19	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 15:19	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 15:19	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 15:19	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 15:19	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 15:19	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 15:19	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 15:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 15:19	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 15:19	1
Ethylbenzene	**0.89**	**J**	1.0	0.30	ug/L			12/31/24 15:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/31/24 15:19	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 15:19	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 15:19	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			12/31/24 15:19	1
Toluene	1.0	U	1.0	0.38	ug/L			12/31/24 15:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 15:19	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 15:19	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 15:19	1
Xylenes, Total	**2.2**		2.0	0.65	ug/L			12/31/24 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 128*		*12/31/24 15:19*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*12/31/24 15:19*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*12/31/24 15:19*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/31/24 15:19*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 15:54	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 15:54	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 15:54	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 15:54	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 15:54	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 15:54	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 15:54	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 15:54	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 15:54	1

BCR 1/21/25

Client Sample ID: GCMW-11S

Date Collected: 12/26/24 10:10
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 15:54	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 15:54	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 15:54	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 15:54	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 15:54	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		12/29/24 10:53	12/29/24 15:54	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 15:54	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 15:54	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 15:54	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		12/29/24 10:53	12/29/24 15:54	1
3-Nitroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 15:54	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 15:54	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 15:54	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 15:54	1
4-Chloroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 15:54	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 15:54	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 15:54	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 15:54	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 15:54	1
Acenaphthene	**1.3**	**J**	10	1.1	ug/L		12/29/24 10:53	12/29/24 15:54	1
Acenaphthylene	10	U	10	0.82	ug/L		12/29/24 10:53	12/29/24 15:54	1
Anthracene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 15:54	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 15:54	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 15:54	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 15:54	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 15:54	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 15:54	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 15:54	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 15:54	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 15:54	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 15:54	1
Carbazole	10	U	10	0.68	ug/L		12/29/24 10:53	12/29/24 15:54	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 15:54	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 15:54	1
Dibenzofuran	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 15:54	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 15:54	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 15:54	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 15:54	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 15:54	1
Fluoranthene	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 15:54	1
Fluorene	10	U	10	0.91	ug/L		12/29/24 10:53	12/29/24 15:54	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 15:54	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 15:54	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 15:54	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 15:54	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 15:54	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 15:54	1
Naphthalene	2.0	U	2.0	0.54	ug/L		12/29/24 10:53	12/29/24 15:54	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 15:54	1

Client Sample ID: GCMW-11S
Date Collected: 12/26/24 10:10
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 15:54	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 15:54	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 15:54	1
Phenanthrene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 15:54	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 15:54	1
Pyrene	10	U	10	1.6	ug/L		12/29/24 10:53	12/29/24 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	62		37 - 150	12/29/24 10:53	12/29/24 15:54	1
2-Fluorobiphenyl	70		46 - 139	12/29/24 10:53	12/29/24 15:54	1
2-Fluorophenol (Surr)	37		16 - 80	12/29/24 10:53	12/29/24 15:54	1
Nitrobenzene-d5 (Surr)	73		51 - 145	12/29/24 10:53	12/29/24 15:54	1
Phenol-d5 (Surr)	26		10 - 56	12/29/24 10:53	12/29/24 15:54	1
Terphenyl-d14 (Surr)	34		13 - 159	12/29/24 10:53	12/29/24 15:54	1

Client Sample ID: GCMW-13I
Date Collected: 12/26/24 10:40
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-5
Matrix: Water

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			12/31/24 15:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 15:43	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 15:43	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/31/24 15:43	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 15:43	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 15:43	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 15:43	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 15:43	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 15:43	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 15:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 15:43	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 15:43	1
Benzene	1.0	U	1.0	0.20	ug/L			12/31/24 15:43	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 15:43	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 15:43	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 15:43	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 15:43	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 15:43	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 15:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 15:43	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 15:43	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 15:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 15:43	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 15:43	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/31/24 15:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/31/24 15:43	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 15:43	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 15:43	1
Tetrachloroethene	**2.2**		1.0	0.25	ug/L			12/31/24 15:43	1

BCR 1/21/25

Client Sample ID: GCMW-13I

Date Collected: 12/26/24 10:40
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1.0	U	1.0	0.38	ug/L			12/31/24 15:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 15:43	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 15:43	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 15:43	1
Xylenes, Total	**1.7**	**J**	2.0	0.65	ug/L			12/31/24 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 128*		*12/31/24 15:43*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*12/31/24 15:43*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 132*		*12/31/24 15:43*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*12/31/24 15:43*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 16:15	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 16:15	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 16:15	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:15	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 16:15	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 16:15	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 16:15	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:15	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 16:15	1
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 16:15	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 16:15	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 16:15	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:15	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 16:15	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		12/29/24 10:53	12/29/24 16:15	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 16:15	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:15	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 16:15	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		12/29/24 10:53	12/29/24 16:15	1
3-Nitroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 16:15	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 16:15	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 16:15	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:15	1
4-Chloroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 16:15	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:15	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 16:15	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:15	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 16:15	1
Acenaphthene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:15	1
Acenaphthylene	10	U	10	0.82	ug/L		12/29/24 10:53	12/29/24 16:15	1
Anthracene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:15	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 16:15	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 16:15	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 16:15	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 16:15	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 16:15	1

Client Sample ID: GCMW-13I
Date Collected: 12/26/24 10:40
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-5
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 16:15	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 16:15	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 16:15	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 16:15	1
Carbazole	10	U	10	0.68	ug/L		12/29/24 10:53	12/29/24 16:15	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 16:15	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 16:15	1
Dibenzofuran	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:15	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 16:15	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 16:15	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 16:15	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 16:15	1
Fluoranthene	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 16:15	1
Fluorene	10	U	10	0.91	ug/L		12/29/24 10:53	12/29/24 16:15	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 16:15	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 16:15	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 16:15	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 16:15	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 16:15	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 16:15	1
Naphthalene	2.0	U	2.0	0.54	ug/L		12/29/24 10:53	12/29/24 16:15	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 16:15	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 16:15	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 16:15	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 16:15	1
Phenanthrene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:15	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 16:15	1
Pyrene	10	U	10	1.6	ug/L		12/29/24 10:53	12/29/24 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*37 - 150*	*12/29/24 10:53*	*12/29/24 16:15*	*1*
2-Fluorobiphenyl	*67*		*46 - 139*	*12/29/24 10:53*	*12/29/24 16:15*	*1*
2-Fluorophenol (Surr)	*34*		*16 - 80*	*12/29/24 10:53*	*12/29/24 16:15*	*1*
Nitrobenzene-d5 (Surr)	*73*		*51 - 145*	*12/29/24 10:53*	*12/29/24 16:15*	*1*
Phenol-d5 (Surr)	*25*		*10 - 56*	*12/29/24 10:53*	*12/29/24 16:15*	*1*
Terphenyl-d14 (Surr)	*30*		*13 - 159*	*12/29/24 10:53*	*12/29/24 16:15*	*1*

Client Sample ID: GCMW-11I
Date Collected: 12/26/24 10:55
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-6
Matrix: Water

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			12/31/24 16:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 16:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 16:08	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/31/24 16:08	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 16:08	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 16:08	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 16:08	1

Client Sample ID: GCMW-11I
Date Collected: 12/26/24 10:55
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 16:08	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 16:08	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 16:08	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 16:08	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 16:08	1
Benzene	**2.2**		1.0	0.20	ug/L			12/31/24 16:08	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 16:08	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 16:08	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 16:08	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 16:08	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 16:08	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 16:08	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 16:08	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 16:08	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 16:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 16:08	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 16:08	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/31/24 16:08	1
Methyl tert-butyl ether	**9.4**		1.0	0.22	ug/L			12/31/24 16:08	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 16:08	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 16:08	1
Tetrachloroethene	**0.70**	**J**	1.0	0.25	ug/L			12/31/24 16:08	1
Toluene	1.0	U	1.0	0.38	ug/L			12/31/24 16:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 16:08	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 16:08	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 16:08	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			12/31/24 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 128*		*12/31/24 16:08*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*12/31/24 16:08*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*12/31/24 16:08*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*12/31/24 16:08*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 16:36	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 16:36	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 16:36	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:36	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 16:36	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 16:36	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 16:36	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:36	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 16:36	1
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 16:36	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 16:36	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 16:36	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:36	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 16:36	1

BCR 1/21/25

Client Sample ID: GCMW-11I
Date Collected: 12/26/24 10:55
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	10	U	10	0.53	ug/L		12/29/24 10:53	12/29/24 16:36	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 16:36	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:36	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 16:36	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		12/29/24 10:53	12/29/24 16:36	1
3-Nitroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 16:36	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 16:36	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 16:36	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:36	1
4-Chloroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 16:36	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:36	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 16:36	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:36	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 16:36	1
Acenaphthene	**1.5**	**J**	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:36	1
Acenaphthylene	**2.2**	**J**	10	0.82	ug/L		12/29/24 10:53	12/29/24 16:36	1
Anthracene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:36	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 16:36	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 16:36	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 16:36	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 16:36	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 16:36	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 16:36	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 16:36	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 16:36	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 16:36	1
Carbazole	**0.81**	**J**	10	0.68	ug/L		12/29/24 10:53	12/29/24 16:36	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 16:36	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 16:36	1
Dibenzofuran	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:36	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 16:36	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 16:36	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 16:36	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 16:36	1
Fluoranthene	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 16:36	1
Fluorene	10	U	10	0.91	ug/L		12/29/24 10:53	12/29/24 16:36	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 16:36	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 16:36	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 16:36	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 16:36	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 16:36	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 16:36	1
Naphthalene	**51**		2.0	0.54	ug/L		12/29/24 10:53	12/29/24 16:36	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 16:36	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 16:36	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 16:36	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 16:36	1
Phenanthrene	**1.7**	**J**	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:36	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 16:36	1

Client Sample ID: GCMW-11I

Date Collected: 12/26/24 10:55
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	10	U	10	1.6	ug/L		12/29/24 10:53	12/29/24 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*37 - 150*	*12/29/24 10:53*	*12/29/24 16:36*	*1*
2-Fluorobiphenyl	*73*		*46 - 139*	*12/29/24 10:53*	*12/29/24 16:36*	*1*
2-Fluorophenol (Surr)	*34*		*16 - 80*	*12/29/24 10:53*	*12/29/24 16:36*	*1*
Nitrobenzene-d5 (Surr)	*75*		*51 - 145*	*12/29/24 10:53*	*12/29/24 16:36*	*1*
Phenol-d5 (Surr)	*22*		*10 - 56*	*12/29/24 10:53*	*12/29/24 16:36*	*1*
Terphenyl-d14 (Surr)	*37*		*13 - 159*	*12/29/24 10:53*	*12/29/24 16:36*	*1*

Client Sample ID: GCRW-01

Date Collected: 12/26/24 12:05
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-7
Matrix: Water

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			12/31/24 16:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 16:32	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 16:32	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/31/24 16:32	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 16:32	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 16:32	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 16:32	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 16:32	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 16:32	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 16:32	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 16:32	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 16:32	1
Benzene	1.0	U	1.0	0.20	ug/L			12/31/24 16:32	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 16:32	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 16:32	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 16:32	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 16:32	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 16:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 16:32	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 16:32	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 16:32	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 16:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 16:32	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 16:32	1
Ethylbenzene	**0.40**	**J**	1.0	0.30	ug/L			12/31/24 16:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/31/24 16:32	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 16:32	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 16:32	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			12/31/24 16:32	1
Toluene	1.0	U	1.0	0.38	ug/L			12/31/24 16:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 16:32	1
Trichloroethene	**0.61**	**J**	1.0	0.31	ug/L			12/31/24 16:32	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 16:32	1
Xylenes, Total	**0.89**	**J**	2.0	0.65	ug/L			12/31/24 16:32	1

BCR 1/21/25

Client Sample ID: GCRW-01

Date Collected: 12/26/24 12:05
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 128*		*12/31/24 16:32*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*12/31/24 16:32*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 132*		*12/31/24 16:32*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*12/31/24 16:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 16:57	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 16:57	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 16:57	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:57	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 16:57	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 16:57	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 16:57	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:57	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 16:57	1
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 16:57	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 16:57	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 16:57	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:57	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 16:57	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		12/29/24 10:53	12/29/24 16:57	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 16:57	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:57	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 16:57	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		12/29/24 10:53	12/29/24 16:57	1
3-Nitroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 16:57	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 16:57	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 16:57	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:57	1
4-Chloroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 16:57	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:57	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 16:57	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 16:57	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 16:57	1
Acenaphthene	**47**		10	1.1	ug/L		12/29/24 10:53	12/29/24 16:57	1
Acenaphthylene	**2.2**	**J**	10	0.82	ug/L		12/29/24 10:53	12/29/24 16:57	1
Anthracene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:57	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 16:57	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 16:57	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 16:57	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 16:57	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 16:57	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 16:57	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 16:57	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 16:57	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 16:57	1
Carbazole	10	U	10	0.68	ug/L		12/29/24 10:53	12/29/24 16:57	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 16:57	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 16:57	1

Client Sample ID: GCRW-01
Lab Sample ID: 460-318022-7
Date Collected: 12/26/24 12:05
Matrix: Water
Date Received: 12/27/24 18:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 16:57	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 16:57	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 16:57	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 16:57	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 16:57	1
Fluoranthene	**1.7**	**J**	10	0.84	ug/L		12/29/24 10:53	12/29/24 16:57	1
Fluorene	**5.0**	**J**	10	0.91	ug/L		12/29/24 10:53	12/29/24 16:57	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 16:57	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 16:57	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 16:57	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 16:57	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 16:57	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 16:57	1
Naphthalene	2.0	U	2.0	0.54	ug/L		12/29/24 10:53	12/29/24 16:57	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 16:57	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 16:57	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 16:57	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 16:57	1
Phenanthrene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 16:57	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 16:57	1
Pyrene	**2.0**	**J**	10	1.6	ug/L		12/29/24 10:53	12/29/24 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*37 - 150*	*12/29/24 10:53*	*12/29/24 16:57*	*1*
2-Fluorobiphenyl	*80*		*46 - 139*	*12/29/24 10:53*	*12/29/24 16:57*	*1*
2-Fluorophenol (Surr)	*41*		*16 - 80*	*12/29/24 10:53*	*12/29/24 16:57*	*1*
Nitrobenzene-d5 (Surr)	*83*		*51 - 145*	*12/29/24 10:53*	*12/29/24 16:57*	*1*
Phenol-d5 (Surr)	*28*		*10 - 56*	*12/29/24 10:53*	*12/29/24 16:57*	*1*
Terphenyl-d14 (Surr)	*31*		*13 - 159*	*12/29/24 10:53*	*12/29/24 16:57*	*1*

Client Sample ID: GCRW-02
Lab Sample ID: 460-318022-8
Date Collected: 12/26/24 12:05
Matrix: Water
Date Received: 12/27/24 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			12/31/24 16:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 16:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 16:56	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/31/24 16:56	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 16:56	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 16:56	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 16:56	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 16:56	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 16:56	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 16:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 16:56	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 16:56	1
Benzene	**0.61**	**J**	1.0	0.20	ug/L			12/31/24 16:56	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 16:56	1

Client Sample ID: GCRW-02

Date Collected: 12/26/24 12:05
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 16:56	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 16:56	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 16:56	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 16:56	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 16:56	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 16:56	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 16:56	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 16:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 16:56	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 16:56	1
Ethylbenzene	**66**		1.0	0.30	ug/L			12/31/24 16:56	1
Methyl tert-butyl ether	**0.95**	**J**	1.0	0.22	ug/L			12/31/24 16:56	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 16:56	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 16:56	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			12/31/24 16:56	1
Toluene	**2.6**		1.0	0.38	ug/L			12/31/24 16:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 16:56	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 16:56	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 16:56	1
Xylenes, Total	**29**		2.0	0.65	ug/L			12/31/24 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 128*		*12/31/24 16:56*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*12/31/24 16:56*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*12/31/24 16:56*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*12/31/24 16:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 17:18	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 17:18	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 17:18	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 17:18	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 17:18	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 17:18	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 17:18	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 17:18	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 17:18	1
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 17:18	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 17:18	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 17:18	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 17:18	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 17:18	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		12/29/24 10:53	12/29/24 17:18	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 17:18	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 17:18	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 17:18	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		12/29/24 10:53	12/29/24 17:18	1
3-Nitroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 17:18	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 17:18	1

BCR 1/21/25

Client Sample ID: GCRW-02

Date Collected: 12/26/24 12:05
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-8
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 17:18	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 17:18	1
4-Chloroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 17:18	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 17:18	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 17:18	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 17:18	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 17:18	1
Acenaphthene	**7.7**	**J**	10	1.1	ug/L		12/29/24 10:53	12/29/24 17:18	1
Acenaphthylene	10	U	10	0.82	ug/L		12/29/24 10:53	12/29/24 17:18	1
Anthracene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 17:18	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 17:18	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 17:18	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 17:18	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 17:18	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 17:18	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 17:18	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 17:18	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 17:18	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 17:18	1
Carbazole	**1.2**	**J**	10	0.68	ug/L		12/29/24 10:53	12/29/24 17:18	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 17:18	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 17:18	1
Dibenzofuran	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 17:18	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 17:18	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 17:18	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 17:18	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 17:18	1
Fluoranthene	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 17:18	1
Fluorene	**2.4**	**J**	10	0.91	ug/L		12/29/24 10:53	12/29/24 17:18	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 17:18	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 17:18	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 17:18	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 17:18	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 17:18	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 17:18	1
Naphthalene	**1.5**	**J**	2.0	0.54	ug/L		12/29/24 10:53	12/29/24 17:18	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 17:18	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 17:18	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 17:18	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 17:18	1
Phenanthrene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 17:18	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 17:18	1
Pyrene	10	U	10	1.6	ug/L		12/29/24 10:53	12/29/24 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*37 - 150*	*12/29/24 10:53*	*12/29/24 17:18*	*1*
2-Fluorobiphenyl	*66*		*46 - 139*	*12/29/24 10:53*	*12/29/24 17:18*	*1*
2-Fluorophenol (Surr)	*34*		*16 - 80*	*12/29/24 10:53*	*12/29/24 17:18*	*1*
Nitrobenzene-d5 (Surr)	*70*		*51 - 145*	*12/29/24 10:53*	*12/29/24 17:18*	*1*
Phenol-d5 (Surr)	*23*		*10 - 56*	*12/29/24 10:53*	*12/29/24 17:18*	*1*

Client Sample ID: GCRW-02

Date Collected: 12/26/24 12:05
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-8
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*25*		*13 - 159*	*12/29/24 10:53*	*12/29/24 17:18*	*1*

Client Sample ID: DUP-01

Date Collected: 12/26/24 00:00
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-9
Matrix: Water

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			12/31/24 17:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 17:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 17:21	1
1,1-Dichloroethane	**0.76**	**J**	1.0	0.26	ug/L			12/31/24 17:21	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 17:21	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 17:21	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 17:21	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 17:21	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 17:21	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 17:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 17:21	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 17:21	1
Benzene	**2.4**		1.0	0.20	ug/L			12/31/24 17:21	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 17:21	1
Bromoform	1.0	U	1.0	0.54	ug/L			12/31/24 17:21	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 17:21	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 17:21	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 17:21	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 17:21	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 17:21	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 17:21	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 17:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 17:21	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 17:21	1
Ethylbenzene	**47**		1.0	0.30	ug/L			12/31/24 17:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/31/24 17:21	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 17:21	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 17:21	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			12/31/24 17:21	1
Toluene	**1.9**		1.0	0.38	ug/L			12/31/24 17:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 17:21	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 17:21	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 17:21	1
Xylenes, Total	**43**		2.0	0.65	ug/L			12/31/24 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 128*		*12/31/24 17:21*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*12/31/24 17:21*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 132*		*12/31/24 17:21*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/31/24 17:21*	*1*

BLR 1/21/25

Client Sample ID: DUP-01
Date Collected: 12/26/24 00:00
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 17:39	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 17:39	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 17:39	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 17:39	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 17:39	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 17:39	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 17:39	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 17:39	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 17:39	1
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 17:39	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 17:39	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 17:39	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 17:39	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 17:39	1
2-Methylnaphthalene	**22**		10	0.53	ug/L		12/29/24 10:53	12/29/24 17:39	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 17:39	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 17:39	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 17:39	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		12/29/24 10:53	12/29/24 17:39	1
3-Nitroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 17:39	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 17:39	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 17:39	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 17:39	1
4-Chloroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 17:39	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 17:39	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 17:39	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 17:39	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 17:39	1
Acenaphthene	**110**		10	1.1	ug/L		12/29/24 10:53	12/29/24 17:39	1
Acenaphthylene	**2.6**	**J**	10	0.82	ug/L		12/29/24 10:53	12/29/24 17:39	1
Anthracene	**6.2**	**J**	10	1.3	ug/L		12/29/24 10:53	12/29/24 17:39	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 17:39	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 17:39	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 17:39	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 17:39	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 17:39	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 17:39	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 17:39	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 17:39	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 17:39	1
Carbazole	**2.1**	**J**	10	0.68	ug/L		12/29/24 10:53	12/29/24 17:39	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 17:39	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 17:39	1
Dibenzofuran	**8.1**	**J**	10	1.1	ug/L		12/29/24 10:53	12/29/24 17:39	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 17:39	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 17:39	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 17:39	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 17:39	1
Fluoranthene	**3.2**	**J**	10	0.84	ug/L		12/29/24 10:53	12/29/24 17:39	1

Client Sample ID: DUP-01
Date Collected: 12/26/24 00:00
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-9
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**40**		10	0.91	ug/L		12/29/24 10:53	12/29/24 17:39	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 17:39	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 17:39	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 17:39	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 17:39	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 17:39	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 17:39	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 17:39	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 17:39	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 17:39	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 17:39	1
Phenanthrene	**43**		10	1.3	ug/L		12/29/24 10:53	12/29/24 17:39	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 17:39	1
Pyrene	**3.3**	**J**	10	1.6	ug/L		12/29/24 10:53	12/29/24 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*37 - 150*	*12/29/24 10:53*	*12/29/24 17:39*	*1*
2-Fluorobiphenyl	*70*		*46 - 139*	*12/29/24 10:53*	*12/29/24 17:39*	*1*
2-Fluorophenol (Surr)	*31*		*16 - 80*	*12/29/24 10:53*	*12/29/24 17:39*	*1*
Nitrobenzene-d5 (Surr)	*75*		*51 - 145*	*12/29/24 10:53*	*12/29/24 17:39*	*1*
Phenol-d5 (Surr)	*19*		*10 - 56*	*12/29/24 10:53*	*12/29/24 17:39*	*1*
Terphenyl-d14 (Surr)	*27*		*13 - 159*	*12/29/24 10:53*	*12/29/24 17:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**290**		20	5.4	ug/L		12/29/24 10:53	12/31/24 09:13	10

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		12/29/24 07:56	12/30/24 14:25	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:25	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:25	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:25	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:25	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 14:25	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 14:25	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 14:25	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 14:25	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*18 - 145*	*12/29/24 07:56*	*12/30/24 14:25*	*1*
DCB Decachlorobiphenyl	*114*		*18 - 145*	*12/29/24 07:56*	*12/30/24 14:25*	*1*
Tetrachloro-m-xylene	*88*		*21 - 124*	*12/29/24 07:56*	*12/30/24 14:25*	*1*
Tetrachloro-m-xylene	*88*		*21 - 124*	*12/29/24 07:56*	*12/30/24 14:25*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**69.8**		40.0	11.7	ug/L		01/03/25 10:06	01/03/25 16:15	1
Antimony	2.0	U	2.0	0.48	ug/L		01/03/25 10:06	01/03/25 16:15	1
Arsenic	**7.5**		2.0	1.2	ug/L		01/03/25 10:06	01/03/25 16:15	1

BKB 1/21/25

Client Sample ID: DUP-01

Lab Sample ID: 460-318022-9

Date Collected: 12/26/24 00:00
Matrix: Water
Date Received: 12/27/24 18:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**102**		4.0	0.93	ug/L		01/03/25 10:06	01/03/25 16:15	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/03/25 10:06	01/03/25 16:15	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/03/25 10:06	01/03/25 16:15	1
Calcium	**71200**		500	31.7	ug/L		01/03/25 10:06	01/03/25 16:15	1
Chromium	4.0	U	4.0	1.7	ug/L		01/03/25 10:06	01/03/25 16:15	1
Cobalt	**0.70**	**J**	4.0	0.41	ug/L		01/03/25 10:06	01/03/25 16:15	1
Copper	4.0	U	4.0	2.0	ug/L		01/03/25 10:06	01/03/25 16:15	1
Iron	**12400**		120	33.7	ug/L		01/03/25 10:06	01/03/25 16:15	1
Lead	~~0.72~~ **J**		1.2	0.42	ug/L		01/03/25 10:06	01/03/25 16:15	1
Magnesium	**12600**		200	21.8	ug/L		01/03/25 10:06	01/03/25 16:15	1
Manganese	**3950**		8.0	0.84	ug/L		01/03/25 10:06	01/03/25 16:15	1
Nickel	4.0	U	4.0	1.4	ug/L		01/03/25 10:06	01/03/25 16:15	1
Potassium	**4070**		200	83.3	ug/L		01/03/25 10:06	01/03/25 16:15	1
Selenium	2.5	U	2.5	0.43	ug/L		01/03/25 10:06	01/03/25 16:15	1
Silver	2.0	U	2.0	1.3	ug/L		01/03/25 10:06	01/03/25 16:15	1
Sodium	**11000**		500	180	ug/L		01/03/25 10:06	01/03/25 16:15	1
Thallium	0.80	U	0.80	0.19	ug/L		01/03/25 10:06	01/03/25 16:15	1
Vanadium	4.0	U	4.0	1.0	ug/L		01/03/25 10:06	01/03/25 16:15	1
Zinc	16.0	U	16.0	4.2	ug/L		01/03/25 10:06	01/03/25 16:15	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		01/03/25 11:23	01/03/25 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**46.8**		10.0	4.0	ug/L		12/31/24 19:45	12/31/24 21:13	1

Client Sample ID: FB-122624

Lab Sample ID: 460-318022-10

Date Collected: 12/26/24 09:05
Matrix: Water
Date Received: 12/27/24 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			12/31/24 12:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			12/31/24 12:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			12/31/24 12:28	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			12/31/24 12:28	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			12/31/24 12:28	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			12/31/24 12:28	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			12/31/24 12:28	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			12/31/24 12:28	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			12/31/24 12:28	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			12/31/24 12:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			12/31/24 12:28	1
Acetone	5.0	U	5.0	4.4	ug/L			12/31/24 12:28	1
Benzene	1.0	U	1.0	0.20	ug/L			12/31/24 12:28	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			12/31/24 12:28	1
Bromoform	1.0	U *	1.0	0.54	ug/L			12/31/24 12:28	1
Bromomethane	1.0	U	1.0	0.55	ug/L			12/31/24 12:28	1

BCR 1/21/25

Client Sample ID: FB-122624

Date Collected: 12/26/24 09:05
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.0	U	1.0	0.82	ug/L			12/31/24 12:28	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			12/31/24 12:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			12/31/24 12:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/31/24 12:28	1
Chloroform	1.0	U	1.0	0.33	ug/L			12/31/24 12:28	1
Chloromethane	1.0	U	1.0	0.40	ug/L			12/31/24 12:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 12:28	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			12/31/24 12:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			12/31/24 12:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			12/31/24 12:28	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			12/31/24 12:28	1
Styrene	1.0	U	1.0	0.42	ug/L			12/31/24 12:28	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			12/31/24 12:28	1
Toluene	1.0	U	1.0	0.38	ug/L			12/31/24 12:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			12/31/24 12:28	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			12/31/24 12:28	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			12/31/24 12:28	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			12/31/24 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 128*		*12/31/24 12:28*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*12/31/24 12:28*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 132*		*12/31/24 12:28*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*12/31/24 12:28*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 18:00	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 18:00	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 18:00	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 18:00	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 18:00	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 18:00	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 18:00	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 18:00	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 18:00	1
2,4-Dinitrophenol	40	U	40	11	ug/L		12/29/24 10:53	12/29/24 18:00	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		12/29/24 10:53	12/29/24 18:00	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		12/29/24 10:53	12/29/24 18:00	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 18:00	1
2-Chlorophenol	10	U	10	0.95	ug/L		12/29/24 10:53	12/29/24 18:00	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		12/29/24 10:53	12/29/24 18:00	1
2-Methylphenol	10	U	10	0.67	ug/L		12/29/24 10:53	12/29/24 18:00	1
2-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 18:00	1
2-Nitrophenol	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 18:00	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		12/29/24 10:53	12/29/24 18:00	1
3-Nitroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 18:00	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		12/29/24 10:53	12/29/24 18:00	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		12/29/24 10:53	12/29/24 18:00	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 18:00	1

BCR 1/21/25

Client: GEI Consultants Inc
Project/Site: National Grid - Downstate Glen Cove

Job ID: 460-318022-1

Client Sample ID: FB-122624
Date Collected: 12/26/24 09:05
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-10
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	10	U	10	1.9	ug/L		12/29/24 10:53	12/29/24 18:00	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 18:00	1
4-Methylphenol	10	U	10	0.65	ug/L		12/29/24 10:53	12/29/24 18:00	1
4-Nitroaniline	10	U	10	1.2	ug/L		12/29/24 10:53	12/29/24 18:00	1
4-Nitrophenol	20	U	20	4.0	ug/L		12/29/24 10:53	12/29/24 18:00	1
Acenaphthene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 18:00	1
Acenaphthylene	10	U	10	0.82	ug/L		12/29/24 10:53	12/29/24 18:00	1
Anthracene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 18:00	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		12/29/24 10:53	12/29/24 18:00	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		12/29/24 10:53	12/29/24 18:00	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		12/29/24 10:53	12/29/24 18:00	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		12/29/24 10:53	12/29/24 18:00	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		12/29/24 10:53	12/29/24 18:00	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		12/29/24 10:53	12/29/24 18:00	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		12/29/24 10:53	12/29/24 18:00	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 18:00	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		12/29/24 10:53	12/29/24 18:00	1
Carbazole	10	U	10	0.68	ug/L		12/29/24 10:53	12/29/24 18:00	1
Chrysene	2.0	U	2.0	0.91	ug/L		12/29/24 10:53	12/29/24 18:00	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		12/29/24 10:53	12/29/24 18:00	1
Dibenzofuran	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 18:00	1
Diethyl phthalate	10	U	10	0.98	ug/L		12/29/24 10:53	12/29/24 18:00	1
Dimethyl phthalate	10	U	10	0.77	ug/L		12/29/24 10:53	12/29/24 18:00	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 18:00	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		12/29/24 10:53	12/29/24 18:00	1
Fluoranthene	10	U	10	0.84	ug/L		12/29/24 10:53	12/29/24 18:00	1
Fluorene	10	U	10	0.91	ug/L		12/29/24 10:53	12/29/24 18:00	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		12/29/24 10:53	12/29/24 18:00	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		12/29/24 10:53	12/29/24 18:00	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		12/29/24 10:53	12/29/24 18:00	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		12/29/24 10:53	12/29/24 18:00	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		12/29/24 10:53	12/29/24 18:00	1
Isophorone	10	U	10	0.80	ug/L		12/29/24 10:53	12/29/24 18:00	1
Naphthalene	2.0	U	2.0	0.54	ug/L		12/29/24 10:53	12/29/24 18:00	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		12/29/24 10:53	12/29/24 18:00	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		12/29/24 10:53	12/29/24 18:00	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		12/29/24 10:53	12/29/24 18:00	1
Pentachlorophenol	20	U	20	6.6	ug/L		12/29/24 10:53	12/29/24 18:00	1
Phenanthrene	10	U	10	1.3	ug/L		12/29/24 10:53	12/29/24 18:00	1
Phenol	10	U	10	0.29	ug/L		12/29/24 10:53	12/29/24 18:00	1
Pyrene	10	U	10	1.6	ug/L		12/29/24 10:53	12/29/24 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*37 - 150*	*12/29/24 10:53*	*12/29/24 18:00*	*1*
2-Fluorobiphenyl	*71*		*46 - 139*	*12/29/24 10:53*	*12/29/24 18:00*	*1*
2-Fluorophenol (Surr)	*35*		*16 - 80*	*12/29/24 10:53*	*12/29/24 18:00*	*1*
Nitrobenzene-d5 (Surr)	*74*		*51 - 145*	*12/29/24 10:53*	*12/29/24 18:00*	*1*
Phenol-d5 (Surr)	*23*		*10 - 56*	*12/29/24 10:53*	*12/29/24 18:00*	*1*
Terphenyl-d14 (Surr)	*45*		*13 - 159*	*12/29/24 10:53*	*12/29/24 18:00*	*1*

Client Sample Results

Client: GEI Consultants Inc
Project/Site: National Grid - Downstate Glen Cove

Job ID: 460-318022-1

Client Sample ID: FB-122624
Date Collected: 12/26/24 09:05
Date Received: 12/27/24 18:00

Lab Sample ID: 460-318022-10
Matrix: Water

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		12/29/24 07:56	12/30/24 14:41	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:41	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:41	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:41	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:41	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 14:41	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 14:41	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 14:41	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		12/29/24 07:56	12/30/24 14:41	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		12/29/24 07:56	12/30/24 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*18 - 145*	*12/29/24 07:56*	*12/30/24 14:41*	*1*
DCB Decachlorobiphenyl	*96*		*18 - 145*	*12/29/24 07:56*	*12/30/24 14:41*	*1*
Tetrachloro-m-xylene	*96*		*21 - 124*	*12/29/24 07:56*	*12/30/24 14:41*	*1*
Tetrachloro-m-xylene	*99*		*21 - 124*	*12/29/24 07:56*	*12/30/24 14:41*	*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		01/03/25 10:06	01/03/25 14:35	1
Antimony	2.0	U	2.0	0.48	ug/L		01/03/25 10:06	01/03/25 14:35	1
Arsenic	2.0	U	2.0	1.2	ug/L		01/03/25 10:06	01/03/25 14:35	1
Barium	4.0	U	4.0	0.93	ug/L		01/03/25 10:06	01/03/25 14:35	1
Beryllium	0.80	U	0.80	0.12	ug/L		01/03/25 10:06	01/03/25 14:35	1
Cadmium	2.0	U	2.0	0.38	ug/L		01/03/25 10:06	01/03/25 14:35	1
Calcium	500	U	500	31.7	ug/L		01/03/25 10:06	01/03/25 14:35	1
Chromium	4.0	U	4.0	1.7	ug/L		01/03/25 10:06	01/03/25 14:35	1
Cobalt	4.0	U	4.0	0.41	ug/L		01/03/25 10:06	01/03/25 14:35	1
Copper	4.0	U	4.0	2.0	ug/L		01/03/25 10:06	01/03/25 14:35	1
Iron	120	U	120	33.7	ug/L		01/03/25 10:06	01/03/25 14:35	1
Lead	1.2	U	1.2	0.42	ug/L		01/03/25 10:06	01/03/25 14:35	1
Magnesium	200	U	200	21.8	ug/L		01/03/25 10:06	01/03/25 14:35	1
Manganese	8.0	U	8.0	0.84	ug/L		01/03/25 10:06	01/03/25 14:35	1
Nickel	4.0	U	4.0	1.4	ug/L		01/03/25 10:06	01/03/25 14:35	1
Potassium	200	U	200	83.3	ug/L		01/03/25 10:06	01/03/25 14:35	1
Selenium	2.5	U	2.5	0.43	ug/L		01/03/25 10:06	01/03/25 14:35	1
Silver	2.0	U	2.0	1.3	ug/L		01/03/25 10:06	01/03/25 14:35	1
Sodium	500	U	500	180	ug/L		01/03/25 10:06	01/03/25 14:35	1
Thallium	0.80	U	0.80	0.19	ug/L		01/03/25 10:06	01/03/25 14:35	1
Vanadium	4.0	U	4.0	1.0	ug/L		01/03/25 10:06	01/03/25 14:35	1
Zinc	16.0	U	16.0	4.2	ug/L		01/03/25 10:06	01/03/25 14:35	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		01/03/25 11:23	01/03/25 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	10.0	U	10.0	4.0	ug/L		12/31/24 19:45	12/31/24 21:14	1

BCR 1/21/25

Eurofins Edison

Chain of Custody Record

686594 eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Chris Mones	Site Contact: Tara Johansen	Date: 12/26/24	COC No:
Company Name: GEI Consultants Inc.	Tel/Email: cmones@geiconsultants.com	Lab Contact: Krystyn Tempre	Carrier: Eurofins	1 of 1 COCs
Address: 1000 New York Ave Suite B	Analysis Turnaround Time			Sampler: C Hayes
City/State/Zip: Huntington Station NY 11746	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 631-760-9300	TAT if different from Below: Standard			Walk-in Client:
Fax: 631-760-9301	☐ 2 weeks			Lab Sampling:
Project Name: National Grid - Bumstate	☐ 1 week			Job / SDG No.: 318022
Site: Glen Cove	☐ 2 days			
PO# 1905774.2013	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	624.1 VOCs	8270E - SVOCs	8151A - PCBs	7470A - Mercury	6020A TAL Metals	9012B - Cyanide, total	Sample Specific Notes
TB-122624	12/26/24	—	G	GW	2			X						1
GCMW-20S		0850	G	GW	9			X	X	X	X	X	X	2
GCMW-09S-R		0900	G	GW	27			X	X	X	X	X	X	MS/MSD 3
GCMW-11S		1000	G	GW	5			X	X					4
GCMW-13I		1040	G	GW	5			X	X					5
GCMW-11I		1055	G	GW	5			X	X					6
GCRW-01		1205	G	GW	5			X	X					7
GCRW-02		1205	G	GW	5			X	X					8
~~GCMW-08S~~		~~1405~~	~~G~~	~~GW~~	~~5~~			~~X~~	~~X~~					
DUP-01		—	G	GW	9			X	X	X	X	X	X	9
FB-122624		0905	G	GW	9			X	X	X	X	X	X	10

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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if s

☐ Return to Client ☐ Disposal by Lab

460-318022 Chain of Custody

Special Instructions/QC Requirements & Comments: OAT B Report

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: GEI Consultants	Date/Time: 12/27/24 11:30	Received by:	Company: EET	Date/Time: 12-27-24 11:30
Relinquished by:	Company: EET	Date/Time: 12-27-24 18:00	Received by:	Company: ETA	Date/Time: 12/27 1800
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

NO/CB DR#4 2.2/24-25/2.7

NG Downstate Glen Cove

Data Review Worksheets

Data Package ID: 4600-318022
Project/Charge Number: 1905721-20.4
Matrix: Water
Collection Date/Cooler Temperature Acceptance:
12/1/16 2.4°C, 2.7°C

Sample IDs: See attached laboratory report summary form

Field Duplicate IDs: DP-01/GCMW-005-B

Data Review Elements:

1. Agreement of Analyses Conducted with COC – Laboratory Report/EDD Revisions Needed
1-10 VOCs
2-10 SVOCs
2-3, 9-10 PCBs, Metals, TCN

2. Holding Times and Sample Preservation Nonconformances
See Completeness form or attached pages for analyses/hold time outliers
No outliers ✓

3. Initial and Continuing Calibrations: See Attached Form

4. Blanks (Laboratory and Field)
Blank Actions – Make action level table of 2x and 10x the blank contamination detected.
If sample result ≤ RL; report the result as nondetect (U) at the reporting limit (RL).
If sample result > RL and < 2xblank contamination; report the result as nondetect (U) at the detected value.
If sample result > RL and ≤ 10x Action level; report the result as estimated (J); biased high.
If the sample result is nondetect or > the 10x Action level; validation is not required.

TB-122624 ND ✓ FB 122624 ND ✓
VOC MB 4600-1014703 ND ✓ (1-10)
SVOC MB 4600-1014466 ND ✓ (2-10)
PCBs MB 4600-1014372 ND ✓ (2-3, 9-10)
Metals MB 4600-1015034 ND ✓ (2-3, 9-10)
Hg MB 4600-1015043 ND ✓ (2-3, 9-10)
TCN MB 4600-1014819 ND ✓ (2-3, 9-10)

5. Surrogate Spike Recoveries - Lab Limits used

For VOC; any surrogate out – qualify results based on recovery.
For SVOC; one surrogate out (but >10%) in each fraction no action taken. Two or more out – qualify results based on recovery.

VOC 1-10 ✓
SVOC 2-10 ✓
RB 2-3, 9-10 ✓

6. MS/MSD Results - Organics: Lab limits, Metals/CN 75-125% REC and <20%RPD (AQ) <35%RPD Soils

Only evaluated if performed on a **project sample**:
If sample compound level is greater than 4x the spike conc., action is not applied based on recoveries – only RPD evaluated.
For any analyte recovery outside of control limits but >10%; estimate based on recovery.
For analyte recovery less than 10; estimate (J) If positive, reject (R) if nondetect.
IF MS/MSD RPD is high; estimate (J) if positive, accept nondetect without qualification.

VOC 6-GMW-MS-B See attached
SVOC 6-GMW-MS-B See attached %'vols
VOC 6-GMW-MS-B See attached
PST 6-GMW-MS-B ✓ ~~See attached~~
HG 6-GMW-MS-B ✓
CN 6-GMW-MS-B See attached %'vols

7. LCS Results – Lab limits used

For any analyte recovery outside of control limits but ≥10%; estimate based on recovery.
For analyte recovery < 10%; estimate (J) if positive, reject (R) if nondetect.

VOC LCSD 460-1014703 (1-10) See attached
SVOC LCSD 460-1014466 (2-10) ✓
RB2 LCSD 460-1014372 (2-3, 9-10) See attached
PST LCS 460-1015021 (2-3, 9-10) ✓
LBC 460-1015061 (2-3, 9-10) ✓
HG LCS 460-1015013 (2-3, 9-10) ✓
TCN LCS 460-1014819 (2-3, 9-10) ✓
PBL 460-1014819 (2-3, 9-10) ✓

8. Internal Standards - 50 – 200% control limits

For IS recovery <50 (but > 20%) estimate (J/UJ) associated positive and nondetect compounds.
For IS recovery <20% estimate (J) if positive, reject (R) if nondetect.
Only those compounds quantitated from an internal standard are affected.
No qualification for high IS recovery if sample is nondetect.

VCC 1-10 ✓
2 ICC 30L, 90L ✓ 2-9 ✓
PCBs 2-3, 9-10 ✓

9. Field Duplicate Results – Use separate sheet

Aqueous review: Criteria: When both results are ≥5x the RL, RPDs must be < 30%.
When results are < 5x the QL, the difference between the original and field duplicate must be less than 2xRL

Soil review: Criteria: When both results are ≥5x the RL, RPDs must be < 50%.
When results are < 5x the QL, the difference between the original and field duplicate must be less than 4xRL

10. Dual Column Results – For GC analyses - Easier to print out Form 10's for multiple actions.

Percent Differences	Qualifier
0% – 25%	No qualification
26% – 70%	J
71 – 200% (interferences detected)*	JN
> 50% (pesticide value < CRQL)**	U
> 200%	R

* When interferences are detected on either column, qualify the data as "JN".
** When the pesticide value is below CRQL and %D > 50%, raise the value to CRQL and qualify "U" undetected.

No PCB detects ✓

11. Laboratory Duplicate Results

All analyses with the exception of metals: Use laboratory control limits
Metals: Aqueous limit of 20% RPD and soil limit of 35% RPD

Metals- Batch

12. Serial Dilution Results

%D between sample and dilution analysis must be <10% for analyte level greater than 50X MDL

Metals - 1 ✓

13. Quantitation Limits/Required Dilutions and reanalyses

See hold time form for dilutions

14. Sample Moisture Content - Soils with total solids less than 30% are estimated (J/UJ)

15. Additional Nonconformances – Comparison of Total/Free Cyanide, Total/Dissolved Metals, etc.

16. Results between MDL and RL - Are results between MDL and RL detected or reported in this job? If so – Note must be added to validation report. If not, validation report must state that detected results were reported down to RL only.

J flag reported

Sample Analyses/Completeness/Hold Time Exceedance/Dilutions

Sample	Collection Date	VOC		SVOC		PCB		Met		Hg		TCN		
-01	12/26	12/31		—		—		—		—		—		
-02		12/31		12/29		12/29		1/3		1/3		12/31		
-03		12/31		12/29	(10x)	12/29		1/3		1/3		12/31		
-04		12/31		12/29		—		—		—		—		
-05		12/31		12/29		—		—		—		—		
-06		12/31		12/29		—		—		—		—		
-07		12/31		12/29		—		—		—		—		
-08		12/31		12/29		—		—		—		—		
-09		12/31		12/29	(10x)	12/29		1/3		1/3		12/31		
-10		12/31		12/31		12/29		1/3		1/3		12/31		
-11														
-12														
-13														
-14														
-15														

Calibration Review Page ____ of ____

Analysis	Instrument/ Date	Compound/Analyte	%RSD, %D, % REC, RF	Associated samples
VOC	CVOA351			
	BFB 10/22		✓	1-10
	ICAL 10/22		✓	↓
	ICV 10/22		✓	↓
	CCV 12/31	See attached		1-10 (VOAs)
SVOC	CBNAMS14			
	DFTPP 10/24		✓	3DL, 9DL
	ICAL 10/24		✓	↓
	CAL 11/14		✓	↓
	ICV 10/24		✓	↓
	CCV 12/31	~~See attached~~	✓	↓
	CBNAMS17			
	DFTPP			2-10
	ICAL 11/22		✓	↓
	ICV 11/22		✓	↓
	CCV 12/29		✓	↓
PCB	PESGC14			
	CAL 10/23	1016/1260 (1/2)	✓	2-3, 9-10
	ICV	1016/1260 (1/2)	✓	↓
	CCV 12/30	1016/1260 (1/2)	✓	↓
Metals	ICAL 1/3			
	ICV, CCV 15, CCV 44, CCV 36, CCV 69, CCV 71, CCV 90		✓	2-3 9-10
	Cal blanks	See attached		Metals
	ICSA	manganese 7MDL see attached		
	ICSAB15		✓	
Hg	ICAL 1/3			
	ICV CCV1-CCV4		✓	2-3, 9-10
	Cal blanks	ND	✓	

Initial calibration (ICAL) %RSD > 20% for VOC, SVOC, pest, PCB; Estimate (J) positive results.
Correlation coefficient < 0.990 for organics or <0.995 for inorganics; Estimate (J/UJ) positive and nondetect results.
Initial calibration verification (ICV) %D > control limits; Estimate (J/UJ) positive and nondetect results.
Continuing calibration (CCAL) %D >20% for VOC, SVOC, pest, PCBs; Estimate (J/UJ) positive and nondetect results.
Continuing calibration recovery outside of control limits for inorganics; Estimate (J/UJ) dependent on recovery.
Detections for metals > MDL in the ICSA sample; Evaluation required if sample interferent levels are at least 75% of the ICSA.
Response factor (RF) <0.050 (or <0.010 for poor responders); Estimate (J) positive and reject (R) nondetect results.

Sample Summary

Client: GEI Consultants Inc
Project/Site: National Grid - Downstate Glen Cove

Job ID: 460-318022-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-318022-1	TB-122624	Water	12/26/24 00:00	12/27/24 18:00
460-318022-2	GCMW-20S	Water	12/26/24 08:50	12/27/24 18:00
460-318022-3	GCMW-09S-R	Water	12/26/24 09:00	12/27/24 18:00
460-318022-4	GCMW-11S	Water	12/26/24 10:10	12/27/24 18:00
460-318022-5	GCMW-13I	Water	12/26/24 10:40	12/27/24 18:00
460-318022-6	GCMW-11I	Water	12/26/24 10:55	12/27/24 18:00
460-318022-7	GCRW-01	Water	12/26/24 12:05	12/27/24 18:00
460-318022-8	GCRW-02	Water	12/26/24 12:05	12/27/24 18:00
460-318022-9	DUP-01	Water	12/26/24 00:00	12/27/24 18:00
460-318022-10	FB-122624	Water	12/26/24 09:05	12/27/24 18:00

CASE NARRATIVE

Client: GEI Consultants Inc

Project: National Grid - Downstate Glen Cove

Report Number: 460-318022-1

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 12/27/2024 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 2 coolers at receipt time were 2.4°C and 2.7°C.

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 TB-122624 (460-318022-1), GCMW-20S (460-318022-2), GCMW-09S-R (460-318022-3), GCMW-11S (460-318022-4), GCMW-13I (460-318022-5), GCMW-11I (460-318022-6), GCRW-01 (460-318022-7), GCRW-02 (460-318022-8), DUP-01 (460-318022-9) and FB-122624 (460-318022-10) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 12/31/2024.

The continuing calibration verification (CCV) analyzed in batch 460-1014703 was outside the method criteria for the following analyte(s): Bromoform (biased high) and Chloromethane (biased low). 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 (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1014703 recovered outside control limits for the following analytes: Bromoform and Chlorodibromomethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported. Refer to the QC report for details.

Bromoform failed the recovery criteria high for the MS of sample GCMW-09S-RMS (460-318022-3) in batch 460-1014703. Several analytes failed the recovery criteria high for the MSD of sample GCMW-09S-RMSD (460-318022-3) in batch 460-1014703. 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 GCMW-20S (460-318022-2), GCMW-09S-R (460-318022-3), GCMW-11S (460-318022-4), GCMW-13I (460-318022-5), GCMW-11I (460-318022-6), GCRW-01 (460-318022-7), GCRW-02 (460-318022-8), DUP-01 (460-318022-9) and FB-122624 (460-318022-10) were analyzed for semivolatile organic compounds (GC/MS) in

accordance with EPA SW-846 Method 8270E. The samples were prepared on 12/29/2024 and analyzed on 12/29/2024 and 12/31/2024.

The continuing calibration verification (CCV) analyzed in batch 460-1014683 was outside the method criteria for the following analyte(s): Benzaldehyde and 2-Nitroaniline. 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.

3,3'-Dichlorobenzidine failed the recovery criteria low and several analytes failed the recovery criteria high for the MS of sample GCMW-09S-RMS (460-318022-3) in batch 460-1014470. Several analytes failed the recovery criteria low for the MSD of sample GCMW-09S-RMSD (460-318022-3) in batch 460-1014470. Several analytes exceeded the RPD limit. Refer to the QC report for details.

Samples GCMW-09S-R (460-318022-3)[10X] and DUP-01 (460-318022-9)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples GCMW-20S (460-318022-2), GCMW-09S-R (460-318022-3), DUP-01 (460-318022-9) and FB-122624 (460-318022-10) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 12/29/2024 and analyzed on 12/30/2024.

The laboratory control sample duplicate (LCSD) for preparation batch 460-1014372 and analytical batch 460-1014538 recovered outside control limits for the following analytes: Aroclor 1016 and Aroclor 1260. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported. Refer to the QC report for details.

Aroclor 1260 failed the recovery criteria high for the MS of sample GCMW-09S-RMS (460-318022-3) in batch 460-1014538. Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)
Samples GCMW-20S (460-318022-2), GCMW-09S-R (460-318022-3), DUP-01 (460-318022-9) and FB-122624 (460-318022-10) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared and analyzed on 01/03/2025.

Calcium failed the recovery criteria high for the MSD of sample GCMW-09S-RMSD (460-318022-3) in batch 460-1015061. 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 GCMW-20S (460-318022-2), GCMW-09S-R (460-318022-3), DUP-01 (460-318022-9) and FB-122624 (460-318022-10) were analyzed for mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 01/03/2025.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples GCMW-20S (460-318022-2), GCMW-09S-R (460-318022-3), DUP-01 (460-318022-9) and FB-122624 (460-318022-10) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 12/31/2024.

Total Cyanide failed the recovery criteria high for the MS/MSD of sample GCMW-09S-RMS (460-318022-3) and

GCMW-09S-RMSD (460-318022-3) in batch 460-1014825. Refer to the QC report for details.

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.

No other difficulties were encountered during the cyanide analysis.

All other quality control parameters were within the acceptance limits.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-318022-1

SDG No.:

Lab Sample ID: CCVIS 460-1014703/2 | Calibration Date: 12/31/2024 07:01

Instrument ID: CVOAMS1 | Calib Start Date: 10/22/2024 03:15

GC Column: Rtx-624 ID: 0.25(mm) | Calib End Date: 10/22/2024 05:47

Lab File ID: A21101.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
Chlorotrifluoroethene	QuaF		0.0390		10.3	20.0	-48.5*	20.0
Dichlorodifluoromethane	Ave	0.3771	0.3135	0.1000	16.6	20.0	-16.9	20.0
Chlorodifluoromethane	Ave	0.5680	0.3991		14.1	20.0	-29.7*	20.0
Chloromethane	Ave	0.4994	0.3600	0.1000	14.4	20.0	-27.9*	20.0
Vinyl chloride	Ave	0.3691	0.3108	0.1000	16.8	20.0	-15.9	20.0
Butadiene	Ave	0.3539	0.2573		14.5	20.0	-27.3*	20.0
Bromomethane	Ave	0.1649	0.1424	0.1000	17.3	20.0	-13.6	50.0
Chloroethane	Ave	0.2246	0.2070	0.1000	18.4	20.0	-7.9	50.0
Dichlorofluoromethane	Ave	0.5932	0.5504		18.6	20.0	-7.2	20.0
Trichlorofluoromethane	Ave	0.3732	0.3935	0.1000	21.1	20.0	5.5	20.0
Pentane	Ave	3.393	2.486		29.3	40.0	-26.7*	20.0
Ethanol	Ave	0.0824	0.0647		628	800	-21.4	50.0
Ethyl ether	Ave	0.2589	0.2062		15.9	20.0	-20.4*	20.0
2-Methyl-1,3-butadiene	Ave	0.2766	0.1949		14.1	20.0	-29.6*	20.0
1,2-Dichloro-1,1,2-trifluoroethane	Ave	0.1962	0.2054		20.9	20.0	4.7	20.0
1,1,1-Trifluoro-2,2-dichloroethane	Ave	0.3838	0.3344		17.4	20.0	-12.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2355	0.2286	0.1000	19.4	20.0	-2.9	20.0
Acrolein	Ave	2.043	1.519		29.7	40.0	-25.6	50.0
1,1-Dichloroethene	Ave	0.2579	0.2306	0.1000	17.9	20.0	-10.6	20.0
Acetone	Ave	0.2147	0.2231	0.0500	104	100	3.9	50.0
Isopropyl alcohol	Ave	0.7676	0.6567		171	200	-14.5	50.0
Iodomethane	QuaF		0.1696		11.7	20.0	-41.5*	20.0
Carbon disulfide	Ave	1.033	0.8851	0.1000	17.1	20.0	-14.3	50.0
3-Chloro-1-propene	Ave	0.1642	0.1573		17.1	20.0	-14.6	20.0
Methyl acetate	Ave	10.91	8.625	0.0500	31.6	40.0	-20.9*	20.0
Cyclopentene	Ave	0.6265	0.4968		15.9	20.0	-20.7*	20.0
Acetonitrile	Ave	2.274	1.592		140	200	-30.0*	20.0
Methylene Chloride	Ave	0.3135	0.2992	0.1000	19.1	20.0	-4.6	20.0
2-Methyl-2-propanol	Ave	1.046	1.078		206	200	3.1	50.0
Methyl tert-butyl ether	Ave	0.6682	0.6474	0.1000	19.4	20.0	-3.1	20.0
trans-1,2-Dichloroethene	Ave	0.2747	0.2664	0.1000	19.4	20.0	-3.0	20.0
Acrylonitrile	Ave	0.0878	0.0832		190	200	-5.2	20.0
Hexane	Ave	0.2746	0.1758		12.8	20.0	-36.0*	20.0
Isopropyl ether	Ave	0.9454	0.7097		15.0	20.0	-24.9*	20.0
1,1-Dichloroethane	Ave	0.5363	0.4527	0.2000	16.9	20.0	-15.6	20.0
Vinyl acetate	Ave	2.999	2.799		37.3	40.0	-6.7	20.0
2-Chloro-1,3-butadiene	Ave	0.2508	0.2278		18.2	20.0	-9.2	20.0
Tert-butyl ethyl ether	Ave	0.8084	0.6841		16.9	20.0	-15.4	20.0
2,2-Dichloropropane	Ave	0.0889	0.0906		20.4	20.0	1.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-318022-1

SDG No.:

Lab Sample ID: CCVIS 460-1014703/2 | Calibration Date: 12/31/2024 07:01

Instrument ID: CVOAMS1 | Calib Start Date: 10/22/2024 03:15

GC Column: Rtx-624 ID: 0.25(mm) | Calib End Date: 10/22/2024 05:47

Lab File ID: A21101.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
cis-1,2-Dichloroethene	Ave	0.3044	0.2953	0.1000	19.4	20.0	-3.0	20.0
Ethyl acetate	Ave	0.2573	0.2984		46.4	40.0	16.0	20.0
2-Butanone (MEK)	Ave	0.2442	0.3177	0.0300	130	100	30.1	50.0
Methyl acrylate	Ave	0.2009	0.1912		19.0	20.0	-4.8	20.0
Propionitrile	Ave	2.007	1.733		173	200	-13.6	20.0
Chlorobromomethane	Ave	0.1229	0.1421		23.1	20.0	15.6	20.0
Tetrahydrofuran	Ave	0.5039	0.9312		41.2	40.0	3.0	20.0
Methacrylonitrile	Ave	0.0953	0.1018		214	200	6.8	20.0
Chloroform	Ave	0.4691	0.4594	0.2000	19.6	20.0	-2.1	20.0
Cyclohexane	Ave	0.5029	0.3586	0.1000	14.3	20.0	-28.7	50.0
1,1,1-Trichloroethane	Ave	0.3658	0.3663	0.1000	20.0	20.0	0.1	20.0
Carbon tetrachloride	Ave	0.3049	0.3089	0.1000	20.3	20.0	1.3	20.0
1,1-Dichloropropene	Ave	0.3797	0.3252		17.1	20.0	-14.3	20.0
Isobutyl alcohol	Ave	0.4882	0.4294		440	500	-12.1	50.0
Isooctane	Ave	0.8435	0.5104		12.1	20.0	-39.5*	20.0
Benzene	Ave	1.584	1.418	0.5000	17.9	20.0	-10.5	20.0
Isopropyl acetate	Lin2		0.0973		18.7	20.0	-6.3	20.0
Tert-amyl methyl ether	Ave	0.1920	0.2100		21.9	20.0	9.4	20.0
1,2-Dichloroethane	Ave	0.3224	0.3111	0.1000	19.3	20.0	-3.5	20.0
n-Heptane	Ave	0.2052	0.1449		14.1	20.0	-29.4*	20.0
n-Butanol	Lin2		0.2733		472	500	-5.6	50.0
Trichloroethene	Ave	0.2747	0.2701	0.2000	19.7	20.0	-1.7	20.0
Ethyl acrylate	Lin2		0.0327		18.8	20.0	-6.1	20.0
Methylcyclohexane	Ave	0.4222	0.3539	0.1000	16.8	20.0	-16.2	50.0
1,2-Dichloropropane	Ave	0.3161	0.2587	0.1000	16.3	20.0	-18.3	20.0
Methyl methacrylate	Ave	0.1513	0.1579		41.7	40.0	4.4	20.0
1,4-Dioxane	Ave	1.090	1.001		367	400	-8.2	50.0
n-Propyl acetate	Ave	0.3138	0.2871		18.3	20.0	-8.5	20.0
Dibromomethane	Ave	0.1920	0.1638		21.6	20.0	7.8	20.0
Bromodichloromethane	Ave	0.3434	0.3463	0.2000	20.2	20.0	0.8	20.0
2-Nitropropane	Ave	0.0527	0.0471		35.7	40.0	-10.6	20.0
Epichlorohydrin	Ave	0.1613	0.2068		513	400	28.2*	20.0
cis-1,3-Dichloropropene	Ave	0.6122	0.5802	0.2000	19.0	20.0	-5.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.878	2.126	0.0500	113	100	13.2	50.0
Toluene	Ave	1.602	1.483	0.4000	18.5	20.0	-7.5	20.0
trans-1,3-Dichloropropene	Ave	0.5075	0.4744	0.1000	18.7	20.0	-6.5	50.0
Ethyl methacrylate	Lin2		0.2604		19.3	20.0	-3.5	20.0
1,1,2-Trichloroethane	Ave	0.2752	0.2731	0.1000	19.8	20.0	-0.8	20.0
Tetrachloroethene	Ave	0.3268	0.3519	0.2000	21.5	20.0	7.7	20.0
1,3-Dichloropropane	Ave	0.5362	0.5149		19.2	20.0	-4.0	20.0
2-Hexanone	Ave	0.7051	0.8290	0.0500	118	100	17.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-318022-1

SDG No.:

Lab Sample ID: CCVIS 460-1014703/2 | Calibration Date: 12/31/2024 07:01

Instrument ID: CVOAMS1 | Calib Start Date: 10/22/2024 03:15

GC Column: Rtx-624 ID: 0.25(mm) | Calib End Date: 10/22/2024 05:47

Lab File ID: A21101.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
n-Butyl acetate	Ave	0.0703	0.0713		20.3	20.0	1.4	20.0
Dibromochloromethane	Ave	0.3031	0.3688	0.1000	24.3	20.0	21.7	50.0
Ethylene Dibromide	Ave	0.2767	0.3130	0.1000	22.6	20.0	13.1	20.0
Chlorobenzene	Ave	0.9248	0.9530	0.5000	20.6	20.0	3.0	20.0
Ethylbenzene	Ave	0.4847	0.4897	0.1000	20.2	20.0	1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2991	0.3417		22.8	20.0	14.2	20.0
m-Xylene & p-Xylene	Ave	0.6024	0.6049	0.1000	20.1	20.0	0.4	20.0
n-Butyl acrylate	Ave	0.2088	0.2158		20.7	20.0	3.3	20.0
o-Xylene	Ave	0.5756	0.5945	0.3000	20.7	20.0	3.3	20.0
Styrene	Ave	0.9651	1.011	0.3000	21.0	20.0	4.8	20.0
Amyl acetate (mixed isomers)	Ave	0.9446	0.7836		16.6	20.0	-17.0	20.0
Bromoform	Ave	0.1768	0.2446	0.1000	27.7	20.0	38.4*	20.0
Isopropylbenzene	Ave	1.341	1.325	0.1000	19.8	20.0	-1.2	20.0
Bromobenzene	Ave	0.7357	0.7300		19.8	20.0	-0.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7342	0.7080	0.3000	19.3	20.0	-3.6	20.0
N-Propylbenzene	Ave	3.919	3.262		16.6	20.0	-16.8	20.0
1,2,3-Trichloropropane	Ave	0.1839	0.2078		22.6	20.0	13.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2001	0.1837		18.4	20.0	-8.2	20.0
2-Chlorotoluene	Ave	2.604	2.305		17.7	20.0	-11.5	20.0
4-Ethyltoluene	Ave	2.966	2.772		18.7	20.0	-6.5	20.0
1,3,5-Trimethylbenzene	Ave	2.479	2.239		18.1	20.0	-9.7	20.0
4-Chlorotoluene	Ave	2.365	2.112		17.9	20.0	-10.7	20.0
Butyl Methacrylate	Ave	0.7720	0.7714		20.0	20.0	-0.0	20.0
tert-Butylbenzene	Ave	2.062	1.859		18.0	20.0	-9.9	20.0
1,2,4-Trimethylbenzene	Ave	2.475	2.374		19.1	20.0	-4.3	20.0
sec-Butylbenzene	Ave	0.5991	0.5471		18.3	20.0	-8.7	20.0
4-Isopropyltoluene	Ave	2.622	2.452		18.7	20.0	-6.5	20.0
1,3-Dichlorobenzene	Ave	1.373	1.434	0.6000	20.9	20.0	4.5	20.0
1,4-Dichlorobenzene	Ave	1.419	1.441	0.5000	20.3	20.0	1.6	20.0
1,2,3-Trimethylbenzene	Ave	2.599	2.496		19.2	20.0	-3.9	20.0
Benzyl chloride	Ave	1.171	1.271		21.7	20.0	8.5	50.0
Indan	Ave	2.517	2.468		19.6	20.0	-1.9	20.0
p-Diethylbenzene	Ave	1.634	1.531		18.7	20.0	-6.3	20.0
n-Butylbenzene	Ave	1.484	1.237		16.7	20.0	-16.6	20.0
1,2-Dichlorobenzene	Ave	1.276	1.376	0.4000	21.6	20.0	7.9	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.255	2.122		18.8	20.0	-5.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1121	0.1387	0.0500	24.7	20.0	23.7	50.0
1,3,5-Trichlorobenzene	Ave	0.9571	0.9480		19.8	20.0	-1.0	20.0
1,2,4-Trichlorobenzene	Ave	0.8217	0.8561	0.2000	20.8	20.0	4.2	20.0
Hexachlorobutadiene	Ave	0.3566	0.2825		15.8	20.0	-20.8*	20.0
Naphthalene	Ave	1.726	1.951		22.6	20.0	13.1	50.0

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Edison | Job Number: 460-318022-1

SDG Number:

Matrix: Water | Instrument ID: ICPMS4

Method: 6020B | XMDL Date: 09/05/2024 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		40	11.7
Antimony		2	0.475
Arsenic		2	1.15
Barium		4	0.925
Beryllium		0.8	0.124
Cadmium		2	0.375
Calcium		500	31.7
Chromium		4	1.65
Cobalt		4	0.412
Copper		4	1.97
Iron		120	33.7
Lead		1.2	0.417
Magnesium		200	21.8
Manganese		8	0.839
Nickel		4	1.39
Potassium		200	83.3
Selenium		2.5	0.432
Silver		2	1.3
Sodium		500	180
Thallium		0.8	0.191
Vanadium		4	1
Zinc		16	4.22

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison | Job No.: 460-318022-1

SDG No.:

Lab Sample ID: ICSA 460-1015061/10 | Instrument ID: ICPMS4

Lab File ID: 013ICSA.d | ICS Source: me_ICSA_00272

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**100000**	**101111**	**101**
Antimony		**0.0240**	
Arsenic		**0.303**	
Barium		**0.749**	
Beryllium		**0.0070**	
Cadmium		**0.293**	
Calcium	**100000**	**99151**	**99**
Chromium		**0.383**	
Cobalt		**0.349**	
Copper		**0.517**	
Iron	**100000**	**99515**	**100**
Lead		**-0.140**	
Magnesium	**100000**	**101174**	**101**
Manganese		**0.959**	
Nickel		**-1.26**	
Potassium	**100000**	**94988**	**95**
Selenium		**0.309**	
Silver		**0.0180**	
Sodium	**100000**	**101488**	**101**
Thallium		**0.0020**	
Vanadium		**0.0270**	
Zinc		**0.115**	
Boron		*3.88*	
Molybdenum	*2000*	*2069*	*103*
Strontium		*0.746*	
Tin		*0.216*	
Titanium	*2000*	*2156*	*108*

2, 3, 9

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

Sample Report

File Name 0503ISTL.d

File Path C:\Agilent\ICPMS\DATA\0503ISTSA.b

Acq Time 2025-01-03 16:13:04

Sample Name **460-318022-I-2-A**

Comment —

Dilution **1.0000**

Vial # 3302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.330	ug/l	0.7	2000	
B	11	6	No Gas	213.758	ug/l	6.1	2000	
Na	23	45	He	29667.461	ug/l	0.8	500000	
Mg	24	45	He	32143.976	ug/l	1.6	500000	
Al	27	45	He	20723.381	ug/l	0.4	500000	
K	39	45	He	10680.800	ug/l	0.4	500000	
Ca	40	45	H2	116467.099	ug/l	1.9	1000000	
Ti	47	45	He	1382.310	ug/l	0.8	10000	
V	51	45	He	53.152	ug/l	1.3	5000	
Cr	52	45	He	52.618	ug/l	1.5	20000	
Mn	55	45	He	3655.423	ug/l	0.9	20000	
Fe	56	45	H2	45049.809	ug/l	0.5	500000	
Co	59	45	He	20.363	ug/l	1.2	2000	
Ni	60	45	He	43.106	ug/l	1.9	20000	
Cu	63	45	He	67.981	ug/l	0.9	20000	
Zn	66	45	He	346.203	ug/l	1.6	20000	
As	75	45	He	13.315	ug/l	7.0	5000	
Se	78	45	H2	8.358	ug/l	4.7	3000	
Sr	88	115	He	712.402	ug/l	1.8	9300	
Mo	95	115	He	6.241	ug/l	3.1	2000	
Ag	107	115	He	0.119	ug/l	2.0	1000	
Cd	111	115	He	1.726	ug/l	9.2	5000	
Sn	118	115	He	4.637	ug/l	2.1	2000	
Sb	121	115	He	34.869	ug/l	3.9	1000	
Ba	137	159	He	356.883	ug/l	1.5	20000	
Tl	205	209	He	0.140	ug/l	10.8	1000	
[Pb]	206	209	He	66.311	ug/l	1.7		
[Pb]	207	209	He	64.757	ug/l	0.9		
Pb	208		He	60.965	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6342881.50	3.8	88.8	70	125	
Sc (ISOCPMS)	45	No Gas	7308441.42	2.9	94.9	70	125	
Sc (ISOCPMS)	45	H2	1292851.71	1.5	85.1	70	125	
Sc (ISOCPMS)	45	He	44714.85	0.5	88.3	70	125	
Ge (IS)	74	H2	219138.47	0.9	89.9	70	125	
Ge (IS)	74	He	29020.06	1.2	97.0	70	125	
Rr	83	He	0.00	N/A				

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-318022-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-1015061/69 01/03/2025 15:27		CCB 460-1015061/80 01/03/2025 15:55		CCB 460-1015061/91 01/03/2025 16:23			
		Found	C	Found	C	Found	C	Found	C
Aluminum	40.0	40.0	U	40.0	U	40.0	U		
Antimony	2.0	2.0	U	2.0	U	2.0	U		
Arsenic	2.0	2.0	U	2.0	U	2.0	U		
Barium	4.0	4.0	U	4.0	U	4.0	U		
Beryllium	0.80	0.80	U	0.80	U	0.80	U		
Cadmium	2.0	2.0	U	2.0	U	2.0	U		
Calcium	500	500	U	500	U	500	U		
Chromium	4.0	4.0	U	4.0	U	4.0	U		
Cobalt	4.0	4.0	U	4.0	U	4.0	U		
Copper	4.0	4.0	U	4.0	U	4.0	U		
Iron	120	120	U	120	U	120	U		
Lead	1.2	1.2	U	0.512	J	0.496	J		
Magnesium	200	200	U	200	U	200	U		
Manganese	8.0	8.0	U	8.0	U	8.0	U		
Nickel	4.0	4.0	U	4.0	U	4.0	U		
Potassium	200	200	U	200	U	200	U		
Selenium	2.5	2.5	U	2.5	U	2.5	U		
Silver	2.0	2.0	U	2.0	U	2.0	U		
Sodium	500	500	U	500	U	500	U		
Thallium	0.80	0.80	U	0.80	U	0.80	U		
Vanadium	4.0	4.0	U	4.0	U	4.0	U		
Zinc	16.0	16.0	U	16.0	U	16.0	U		

2X 1.024 10X 5.12

-9 ND @ RL

Italicized analytes were not requested for this sequence.

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1014372/3-A
Matrix: Water
Analysis Batch: 1014538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1014372

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	109		18 - 145
DCB Decachlorobiphenyl	114		18 - 145
Tetrachloro-m-xylene	111		21 - 124
Tetrachloro-m-xylene	111		21 - 124

Lab Sample ID: 460-318022-3 MS
Matrix: Water
Analysis Batch: 1014538

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1014372

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.40	U	4.00	4.04		ug/L		101	42 - 120
Aroclor 1016	0.40	U	4.00	3.35		ug/L		84	42 - 120
Aroclor 1260	0.40	U *	4.00	4.43		ug/L		111	42 - 126
Aroclor 1260	0.40	U *	4.00	5.15	*	ug/L		129	42 - 126

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	90		18 - 145
DCB Decachlorobiphenyl	111		18 - 145
Tetrachloro-m-xylene	75		21 - 124
Tetrachloro-m-xylene	82		21 - 124

Lab Sample ID: 460-318022-3 MSD
Matrix: Water
Analysis Batch: 1014538

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1014372

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	3.93		ug/L		98	42 - 120	3	30
Aroclor 1016	0.40	U	4.00	3.40		ug/L		85	42 - 120	2	30
Aroclor 1260	0.40	U *	4.00	4.11		ug/L		103	42 - 126	8	30
Aroclor 1260	0.40	U *	4.00	4.99		ug/L		125	42 - 126	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	82		18 - 145
DCB Decachlorobiphenyl	99		18 - 145
Tetrachloro-m-xylene	75		21 - 124
Tetrachloro-m-xylene	77		21 - 124

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1015034/1-A
Matrix: Water
Analysis Batch: 1015061

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 1015034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	40.0	U	40.0	11.7	ug/L		01/03/25 10:06	01/03/25 14:29	1
Antimony	2.0	U	2.0	0.48	ug/L		01/03/25 10:06	01/03/25 14:29	1
Arsenic	2.0	U	2.0	1.2	ug/L		01/03/25 10:06	01/03/25 14:29	1
Barium	4.0	U	4.0	0.93	ug/L		01/03/25 10:06	01/03/25 14:29	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 460-318022-3 DU
Matrix: Water
Analysis Batch: 1015077

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1015043

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: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-1014819/13-A
Matrix: Water
Analysis Batch: 1014825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1014819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	10.0	U	10.0	4.0	ug/L		12/31/24 19:45	12/31/24 21:08	1

Lab Sample ID: LCS 460-1014819/14-A
Matrix: Water
Analysis Batch: 1014825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1014819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	100	98.80		ug/L		99	85 - 115

Lab Sample ID: MRL 460-1014819/12-A
Matrix: Water
Analysis Batch: 1014825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1014819

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.00840	J	mg/L		84	50 - 150

Lab Sample ID: 460-318022-3 MS
Matrix: Water
Analysis Batch: 1014825

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1014819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	43.9		200	354.0	N	ug/L		155	90 - 110

Lab Sample ID: 460-318022-3 MSD
Matrix: Water
Analysis Batch: 1014825

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1014819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	43.9		200	287.0	N	ug/L		122	90 - 110	21	35

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-318022-3 MS
Matrix: Water
Analysis Batch: 1014703

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethene, Total	2.0	U	40.0	40.2		ug/L		101	77 - 126
1,2-Dichloropropane	1.0	U	20.0	17.6		ug/L		88	72 - 128
2-Butanone (MEK)	5.0	U	100	130		ug/L		130	65 - 142
2-Hexanone	5.0	U	100	131		ug/L		131	72 - 134
4-Methyl-2-pentanone (MIBK)	5.0	U	100	119		ug/L		119	77 - 130
Acetone	5.0	U	100	107		ug/L		107	60 - 133
Benzene	2.3		20.0	20.1		ug/L		89	71 - 126
Bromodichloromethane	1.0	U	20.0	19.7		ug/L		99	76 - 121
Bromoform	1.0	U *	20.0	26.5	*	ug/L		133	56 - 128
Bromomethane	1.0	U	20.0	16.5		ug/L		82	33 - 150
Carbon disulfide	1.0	U	20.0	17.4		ug/L		87	35 - 150
Carbon tetrachloride	1.0	U	20.0	20.8		ug/L		104	65 - 131
Chlorobenzene	1.0	U	20.0	20.7		ug/L		104	80 - 120
Chloroethane	1.0	U	20.0	18.0		ug/L		90	54 - 150
Chloroform	1.0	U	20.0	19.5		ug/L		98	78 - 125
Chloromethane	1.0	U	20.0	14.4		ug/L		72	43 - 149
cis-1,3-Dichloropropene	1.0	U	20.0	18.4		ug/L		92	74 - 125
Dibromochloromethane	1.0	U *	20.0	23.4		ug/L		117	73 - 121
Ethylbenzene	43		20.0	60.3		ug/L		88	78 - 120
Methyl tert-butyl ether	1.0	U	20.0	21.1		ug/L		106	72 - 131
Methylene Chloride	1.0	U	20.0	18.8		ug/L		94	74 - 127
Styrene	1.0	U	20.0	22.7		ug/L		114	82 - 127
Tetrachloroethene	1.0	U	20.0	22.3		ug/L		112	70 - 127
Toluene	1.9		20.0	20.2		ug/L		92	76 - 120
trans-1,3-Dichloropropene	1.0	U	20.0	19.1		ug/L		96	71 - 127
Trichloroethene	1.0	U	20.0	19.5		ug/L		98	73 - 121
Vinyl chloride	1.0	U	20.0	16.6		ug/L		83	55 - 144
Xylenes, Total	40		40.0	80.2		ug/L		100	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 128*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 132*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: 460-318022-3 MSD
Matrix: Water
Analysis Batch: 1014703

Client Sample ID: GCMW-09S-R
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	23.4		ug/L		117	72 - 128	13	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	23.2		ug/L		116	63 - 139	9	30
1,1,2-Trichloroethane	1.0	U	20.0	22.2		ug/L		111	74 - 125	15	30
1,1-Dichloroethane	0.74	J	20.0	20.1		ug/L		97	73 - 130	10	30
1,1-Dichloroethene	1.0	U	20.0	21.4		ug/L		107	68 - 133	11	30
1,2-Dichloroethane	1.0	U	20.0	21.2		ug/L		106	66 - 129	12	30
1,2-Dichloroethene, Total	2.0	U	40.0	44.9		ug/L		112	77 - 126	11	30
1,2-Dichloropropane	1.0	U	20.0	19.7		ug/L		98	72 - 128	11	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-318022-3 MSD
Matrix: Water
Analysis Batch: 1014703

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	5.0	U	100	152	*	ug/L		152	65 - 142	15	30
2-Hexanone	5.0	U	100	153	*	ug/L		153	72 - 134	15	30
4-Methyl-2-pentanone (MIBK)	5.0	U	100	138	*	ug/L		138	77 - 130	15	30
Acetone	5.0	U	100	126		ug/L		126	60 - 133	16	30
Benzene	2.3		20.0	22.9		ug/L		103	71 - 126	13	30
Bromodichloromethane	1.0	U	20.0	23.4		ug/L		117	76 - 121	17	30
Bromoform	1.0	U *	20.0	31.0	*	ug/L		155	58 - 128	16	30
Bromomethane	1.0	U	20.0	21.2		ug/L		106	33 - 150	25	30
Carbon disulfide	1.0	U	20.0	19.7		ug/L		99	35 - 150	13	30
Carbon tetrachloride	1.0	U	20.0	24.5		ug/L		123	65 - 131	16	30
Chlorobenzene	1.0	U	20.0	24.0		ug/L		120	80 - 120	15	30
Chloroethane	1.0	U	20.0	22.4		ug/L		112	54 - 150	22	30
Chloroform	1.0	U	20.0	21.8		ug/L		109	78 - 125	11	30
Chloromethane	1.0	U	20.0	17.3		ug/L		86	43 - 149	18	30
cis-1,3-Dichloropropene	1.0	U	20.0	21.3		ug/L		107	74 - 125	15	30
Dibromochloromethane	1.0	U *	20.0	27.7	*	ug/L		139	73 - 121	17	30
Ethylbenzene	43		20.0	65.2		ug/L		112	78 - 120	8	30
Methyl tert-butyl ether	1.0	U	20.0	23.7		ug/L		119	72 - 131	12	30
Methylene Chloride	1.0	U	20.0	21.2		ug/L		106	74 - 127	12	30
Styrene	1.0	U	20.0	26.0	*	ug/L		130	82 - 127	14	30
Tetrachloroethene	1.0	U	20.0	25.1		ug/L		125	70 - 127	12	30
Toluene	1.9		20.0	23.3		ug/L		107	78 - 120	14	30
trans-1,3-Dichloropropene	1.0	U	20.0	22.7		ug/L		113	71 - 127	17	30
Trichloroethene	1.0	U	20.0	23.0		ug/L		115	73 - 121	17	30
Vinyl chloride	1.0	U	20.0	20.3		ug/L		102	55 - 144	20	30
Xylenes, Total	40		40.0	86.8		ug/L		116	80 - 120	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 126*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 132*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1014466/1-A
Matrix: Water
Analysis Batch: 1014470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1014466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		12/29/24 10:53	12/29/24 13:06	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		12/29/24 10:53	12/29/24 13:06	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		12/29/24 10:53	12/29/24 13:06	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 13:06	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		12/29/24 10:53	12/29/24 13:06	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		12/29/24 10:53	12/29/24 13:06	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		12/29/24 10:53	12/29/24 13:06	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		12/29/24 10:53	12/29/24 13:06	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		12/29/24 10:53	12/29/24 13:06	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-318022-3 MS
Matrix: Water
Analysis Batch: 1014470

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1014466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
3,3'-Dichlorobenzidine	10	U	40.0	21.1	*	ug/L		53	55 - 145
3-Nitroaniline	10	U	40.0	20.5		ug/L		51	51 - 120
4,6-Dinitro-2-methylphenol	20	U	80.0	100		ug/L		125	65 - 145
4-Bromophenyl phenyl ether	10	U	40.0	53.0	*	ug/L		133	59 - 132
4-Chloro-3-methylphenol	10	U	40.0	38.5		ug/L		96	54 - 120
4-Chloroaniline	10	U	40.0	18.7		ug/L		47	43 - 120
4-Chlorophenyl phenyl ether	10	U	40.0	51.5	*	ug/L		129	65 - 127
4-Methylphenol	10	U	40.0	28.1		ug/L		70	28 - 120
4-Nitroaniline	10	U	40.0	35.3		ug/L		88	57 - 135
4-Nitrophenol	20	U	80.0	35.1		ug/L		44	10 - 120
Acenaphthene	120		40.0	184	*	ug/L		162	82 - 127
Acenaphthylene	2.9	J	40.0	58.9	*	ug/L		140	58 - 122
Anthracene	8.2	J	40.0	61.5	*	ug/L		133	67 - 127
Benzo[a]anthracene	1.0	U	40.0	52.0		ug/L		130	71 - 131
Benzo[a]pyrene	1.0	U	40.0	55.4		ug/L		138	75 - 148
Benzo[b]fluoranthene	2.0	U	40.0	53.2		ug/L		133	70 - 140
Benzo[g,h,i]perylene	10	U	40.0	57.9	*	ug/L		145	52 - 143
Benzo[k]fluoranthene	1.0	U	40.0	52.8		ug/L		132	71 - 140
Bis(2-chloroethoxy)methane	10	U	40.0	48.8		ug/L		122	63 - 122
Bis(2-chloroethyl)ether	1.0	U	40.0	47.8		ug/L		120	61 - 125
Bis(2-ethylhexyl) phthalate	1.9	J	40.0	66.2	*	ug/L		161	65 - 144
Butyl benzyl phthalate	10	U	40.0	54.1		ug/L		135	67 - 141
Carbazole	2.4	J	40.0	53.9		ug/L		129	68 - 132
Chrysene	2.0	U	40.0	51.2		ug/L		128	70 - 132
Dibenz(a,h)anthracene	1.0	U	40.0	52.1		ug/L		130	53 - 150
Dibenzofuran	9.4	J	40.0	62.0	*	ug/L		132	64 - 125
Diethyl phthalate	10	U	40.0	46.4		ug/L		116	67 - 131
Dimethyl phthalate	10	U	40.0	48.4		ug/L		121	67 - 129
Di-n-butyl phthalate	10	U	40.0	53.3		ug/L		133	71 - 139
Di-n-octyl phthalate	10	U	40.0	57.1		ug/L		143	51 - 150
Fluoranthene	4.5	J	40.0	59.0		ug/L		136	69 - 137
Fluorene	46		40.0	103	*	ug/L		145	67 - 125
Hexachlorobenzene	1.0	U	40.0	52.8		ug/L		132	62 - 135
Hexachlorobutadiene	1.0	U	40.0	50.7		ug/L		127	10 - 147
Hexachlorocyclopentadiene	10	U	40.0	61.7	*	ug/L		154	10 - 135
Hexachloroethane	2.0	U	40.0	50.4		ug/L		126	10 - 138
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	53.4		ug/L		133	59 - 150
Isophorone	10	U	40.0	49.7		ug/L		124	65 - 128
Naphthalene	300	E	40.0	337	E	ug/L		80	39 - 126
Nitrobenzene	1.0	U	40.0	50.0		ug/L		125	66 - 127
N-Nitrosodi-n-propylamine	1.0	U	40.0	49.1		ug/L		123	63 - 133
N-Nitrosodiphenylamine	10	U	40.0	52.7	*	ug/L		132	66 - 128
Pentachlorophenol	20	U	80.0	101		ug/L		126	60 - 140
Phenanthrene	57		40.0	117	*	ug/L		151	68 - 126
Phenol	10	U	40.0	17.3		ug/L		43	10 - 80
Pyrene	4.8	J	40.0	53.4		ug/L		122	60 - 137

QC Sample Results

Client: GEI Consultants Inc
Project/Site: National Grid - Downstate Glen Cove

Job ID: 460-318022-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-318022-3 MS
Matrix: Water
Analysis Batch: 1014470

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1014466

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	72		37 - 150
2-Fluorobiphenyl	83		46 - 139
2-Fluorophenol (Surr)	38		16 - 80
Nitrobenzene-d5 (Surr)	83		51 - 145
Phenol-d5 (Surr)	26		10 - 56
Terphenyl-d14 (Surr)	27		13 - 159

Lab Sample ID: 460-318022-3 MSD
Matrix: Water
Analysis Batch: 1014470

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1014466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.0	U	40.0	34.0	*	ug/L		85	20 - 135	36	30
1,2-Dichlorobenzene	10	U	40.0	33.9	*	ug/L		85	18 - 128	36	30
1,3-Dichlorobenzene	10	U	40.0	33.6	*	ug/L		84	11 - 130	34	30
1,4-Dichlorobenzene	10	U	40.0	34.1	*	ug/L		85	14 - 129	34	30
2,2'-oxybis[1-chloropropane]	10	U	40.0	35.0	*	ug/L		88	47 - 133	32	30
2,4,5-Trichlorophenol	10	U	40.0	30.5	*	ug/L		76	63 - 124	37	30
2,4,6-Trichlorophenol	10	U	40.0	32.2	*	ug/L		81	66 - 131	36	30
2,4-Dichlorophenol	10	U	40.0	29.3	*	ug/L		73	60 - 120	33	30
2,4-Dimethylphenol	10	U	40.0	32.5	*	ug/L		81	37 - 120	34	30
2,4-Dinitrophenol	40	U	80.0	64.4	*	ug/L		81	50 - 148	36	30
2,4-Dinitrotoluene	10	U	40.0	36.6	*	ug/L		92	71 - 142	33	30
2,6-Dinitrotoluene	2.0	U	40.0	36.1	*	ug/L		90	71 - 136	33	30
2-Chloronaphthalene	10	U	40.0	34.9	*	ug/L		87	50 - 129	39	30
2-Chlorophenol	10	U	40.0	26.5	*	ug/L		66	49 - 120	32	30
2-Methylnaphthalene	28		40.0	49.8	*	ug/L		55	42 - 134	42	30
2-Methylphenol	10	U	40.0	22.3	*	ug/L		56	35 - 120	32	30
2-Nitroaniline	10	U	40.0	35.2	*	ug/L		88	57 - 134	34	30
2-Nitrophenol	10	U	40.0	32.2	*	ug/L		81	62 - 124	34	30
3,3'-Dichlorobenzidine	10	U	40.0	18.2	*	ug/L		45	55 - 145	15	30
3-Nitroaniline	10	U	40.0	17.6	*	ug/L		44	51 - 120	15	30
4,6-Dinitro-2-methylphenol	20	U	80.0	64.3	*	ug/L		80	65 - 145	44	30
4-Bromophenyl phenyl ether	10	U	40.0	34.7	*	ug/L		87	59 - 132	42	30
4-Chloro-3-methylphenol	10	U	40.0	27.2	*	ug/L		68	54 - 120	34	30
4-Chloroaniline	10	U	40.0	15.7	*	ug/L		39	43 - 120	17	30
4-Chlorophenyl phenyl ether	10	U	40.0	35.2	*	ug/L		88	65 - 127	38	30
4-Methylphenol	10	U	40.0	20.8		ug/L		52	28 - 120	30	30
4-Nitroaniline	10	U	40.0	26.6		ug/L		66	57 - 135	28	30
4-Nitrophenol	20	U	80.0	25.1	*	ug/L		31	10 - 120	33	30
Acenaphthene	120		40.0	123	*	ug/L		9	62 - 127	40	30
Acenaphthylene	2.9	J	40.0	40.1	*	ug/L		93	58 - 122	38	30
Anthracene	8.2	J	40.0	39.2	*	ug/L		77	67 - 127	44	30
Benzo[a]anthracene	1.0	U	40.0	33.4	*	ug/L		83	71 - 131	44	30
Benzo[a]pyrene	1.0	U	40.0	36.1	*	ug/L		90	75 - 148	42	30
Benzo[b]fluoranthene	2.0	U	40.0	34.5	*	ug/L		86	70 - 140	43	30
Benzo[g,h,i]perylene	10	U	40.0	37.2	*	ug/L		93	52 - 143	44	30
Benzo[k]fluoranthene	1.0	U	40.0	33.9	*	ug/L		85	71 - 140	44	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-318022-3 MSD
Matrix: Water
Analysis Batch: 1014470

Client Sample ID: GCMW-09S-R
Prep Type: Total/NA
Prep Batch: 1014466

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	35.3	*	ug/L		88	63 - 122	32	30
Bis(2-chloroethyl)ether	1.0	U	40.0	34.7	*	ug/L		87	61 - 125	32	30
Bis(2-ethylhexyl) phthalate	1.9	J	40.0	36.5	*	ug/L		92	65 - 144	53	30
Butyl benzyl phthalate	10	U	40.0	35.5	*	ug/L		89	67 - 141	41	30
Carbazole	2.4	J	40.0	35.1	*	ug/L		82	68 - 132	42	30
Chrysene	2.0	U	40.0	33.5	*	ug/L		84	70 - 132	42	30
Dibenz(a,h)anthracene	1.0	U	40.0	33.7	*	ug/L		84	53 - 150	43	30
Dibenzofuran	9.4	J	40.0	41.6	*	ug/L		80	64 - 125	40	30
Diethyl phthalate	10	U	40.0	32.8	*	ug/L		82	67 - 131	34	30
Dimethyl phthalate	10	U	40.0	35.9		ug/L		90	67 - 129	30	30
Di-n-butyl phthalate	10	U	40.0	33.8	*	ug/L		84	71 - 139	45	30
Di-n-octyl phthalate	10	U	40.0	35.8	*	ug/L		90	51 - 150	46	30
Fluoranthene	4.5	J	40.0	35.9	*	ug/L		79	69 - 137	49	30
Fluorene	46		40.0	68.1	*	ug/L		56	67 - 125	41	30
Hexachlorobenzene	1.0	U	40.0	34.7	*	ug/L		87	62 - 135	41	30
Hexachlorobutadiene	1.0	U	40.0	34.4	*	ug/L		86	10 - 147	39	30
Hexachlorocyclopentadiene	10	U	40.0	40.4	*	ug/L		101	10 - 135	42	30
Hexachloroethane	2.0	U	40.0	35.6	*	ug/L		89	10 - 138	34	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	34.1	*	ug/L		85	59 - 150	44	30
Isophorone	10	U	40.0	35.6	*	ug/L		89	65 - 128	33	30
Naphthalene	300	E	40.0	263	E *	ug/L		-105	39 - 126	25	30
Nitrobenzene	1.0	U	40.0	36.1	*	ug/L		90	66 - 127	32	30
N-Nitrosodi-n-propylamine	1.0	U	40.0	35.7	*	ug/L		89	63 - 133	31	30
N-Nitrosodiphenylamine	10	U	40.0	35.1	*	ug/L		88	66 - 128	40	30
Pentachlorophenol	20	U	80.0	60.4	*	ug/L		76	60 - 140	60	30
Phenanthrene	57		40.0	69.6	*	ug/L		31	68 - 126	51	30
Phenol	10	U	40.0	12.6	*	ug/L		31	10 - 80	32	30
Pyrene	4.6	J	40.0	36.2	*	ug/L		79	60 - 137	38	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*57*		*37 - 150*
2-Fluorobiphenyl	*61*		*46 - 139*
2-Fluorophenol (Surr)	*30*		*16 - 80*
Nitrobenzene-d5 (Surr)	*64*		*51 - 145*
Phenol-d5 (Surr)	*20*		*10 - 56*
Terphenyl-d14 (Surr)	*21*		*13 - 159*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1014372/1-A
Matrix: Water
Analysis Batch: 1014538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1014372

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1014703/3
Matrix: Water
Analysis Batch: 1014703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	74 - 125
1,1-Dichloroethane	20.0	17.2		ug/L		86	73 - 130
1,1-Dichloroethene	20.0	19.4		ug/L		97	68 - 133
1,2-Dichloroethane	20.0	18.8		ug/L		94	66 - 129
1,2-Dichloroethene, Total	40.0	40.2		ug/L		101	77 - 126
1,2-Dichloropropane	20.0	16.6		ug/L		83	72 - 128
2-Butanone (MEK)	100	132		ug/L		132	65 - 142
2-Hexanone	100	124		ug/L		124	72 - 134
4-Methyl-2-pentanone (MIBK)	100	117		ug/L		117	77 - 130
Acetone	100	107		ug/L		107	60 - 133
Benzene	20.0	17.9		ug/L		89	71 - 126
Bromodichloromethane	20.0	20.0		ug/L		100	76 - 121
Bromoform	20.0	26.7	*	ug/L		134	58 - 128
Bromomethane	20.0	18.1		ug/L		90	33 - 150
Carbon disulfide	20.0	17.5		ug/L		88	35 - 150
Carbon tetrachloride	20.0	21.0		ug/L		105	65 - 131
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120
Chloroethane	20.0	17.8		ug/L		89	54 - 150
Chloroform	20.0	19.4		ug/L		97	78 - 125
Chloromethane	20.0	14.4		ug/L		72	43 - 149
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	74 - 125
Dibromochloromethane	20.0	23.8		ug/L		119	73 - 121
Ethylbenzene	20.0	19.9		ug/L		99	78 - 120
Methyl tert-butyl ether	20.0	20.0		ug/L		100	72 - 131
Methylene Chloride	20.0	18.7		ug/L		94	74 - 127
Styrene	20.0	21.2		ug/L		106	82 - 127
Tetrachloroethene	20.0	23.1		ug/L		115	70 - 127
Toluene	20.0	18.3		ug/L		91	78 - 120
trans-1,3-Dichloropropene	20.0	19.1		ug/L		96	71 - 127
Trichloroethene	20.0	19.8		ug/L		99	73 - 121
Vinyl chloride	20.0	16.9		ug/L		85	55 - 144
Xylenes, Total	40.0	41.3		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 126*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 132*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: LCSD 460-1014703/4
Matrix: Water
Analysis Batch: 1014703

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	21.8		ug/L		109	72 - 128	4	30
1,1,2,2-Tetrachloroethane	20.0	22.0		ug/L		110	63 - 139	8	30
1,1,2-Trichloroethane	20.0	21.1		ug/L		106	74 - 125	10	30
1,1-Dichloroethane	20.0	18.2		ug/L		91	73 - 130	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1014703/4
Matrix: Water
Analysis Batch: 1014703

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-Dichloroethene	20.0	20.0		ug/L		100	68 - 133	3	30
1,2-Dichloroethane	20.0	20.0		ug/L		100	66 - 129	6	30
1,2-Dichloroethene, Total	40.0	42.4		ug/L		106	77 - 126	5	30
1,2-Dichloropropane	20.0	17.7		ug/L		89	72 - 128	7	30
2-Butanone (MEK)	100	139		ug/L		139	65 - 142	5	30
2-Hexanone	100	130		ug/L		130	72 - 134	5	30
4-Methyl-2-pentanone (MIBK)	100	123		ug/L		123	77 - 130	5	30
Acetone	100	119		ug/L		119	60 - 133	11	30
Benzene	20.0	18.9		ug/L		95	71 - 126	6	30
Bromodichloromethane	20.0	20.8		ug/L		104	76 - 121	4	30
Bromoform	20.0	28.3	*	ug/L		141	58 - 128	6	30
Bromomethane	20.0	19.3		ug/L		97	33 - 150	7	30
Carbon disulfide	20.0	18.4		ug/L		92	35 - 150	5	30
Carbon tetrachloride	20.0	22.7		ug/L		114	65 - 131	8	30
Chlorobenzene	20.0	22.3		ug/L		112	80 - 120	6	30
Chloroethane	20.0	19.7		ug/L		98	54 - 150	10	30
Chloroform	20.0	20.6		ug/L		103	78 - 125	6	30
Chloromethane	20.0	15.5		ug/L		77	43 - 149	7	30
cis-1,3-Dichloropropene	20.0	19.9		ug/L		99	74 - 125	8	30
Dibromochloromethane	20.0	25.6	*	ug/L		128	73 - 121	7	30
Ethylbenzene	20.0	22.1		ug/L		110	78 - 120	10	30
Methyl tert-butyl ether	20.0	21.5		ug/L		107	72 - 131	7	30
Methylene Chloride	20.0	20.1		ug/L		100	74 - 127	7	30
Styrene	20.0	22.6		ug/L		113	82 - 127	6	30
Tetrachloroethene	20.0	23.7		ug/L		118	70 - 127	3	30
Toluene	20.0	19.8		ug/L		99	78 - 120	8	30
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	71 - 127	6	30
Trichloroethene	20.0	20.5		ug/L		102	73 - 121	3	30
Vinyl chloride	20.0	17.5		ug/L		87	55 - 144	3	30
Xylenes, Total	40.0	44.6		ug/L		111	80 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 128*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 132*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: 460-318022-3 MS
Matrix: Water
Analysis Batch: 1014703

Client Sample ID: GCMW-09S-R
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	20.5		ug/L		102	72 - 128
1,1,2,2-Tetrachloroethane	1.0	U	20.0	21.3		ug/L		106	63 - 139
1,1,2-Trichloroethane	1.0	U	20.0	19.2		ug/L		96	74 - 125
1,1-Dichloroethane	0.74	J	20.0	18.2		ug/L		87	73 - 130
1,1-Dichloroethene	1.0	U	20.0	19.0		ug/L		95	68 - 133
1,2-Dichloroethane	1.0	U	20.0	18.8		ug/L		94	66 - 129

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1014372/1-A
Matrix: Water
Analysis Batch: 1014538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1014372

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1232	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		12/28/24 07:55	12/30/24 11:27	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		12/28/24 07:55	12/30/24 11:27	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		12/28/24 07:55	12/30/24 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*18 - 145*	*12/28/24 07:55*	*12/30/24 11:27*	*1*
DCB Decachlorobiphenyl	*106*		*18 - 145*	*12/28/24 07:55*	*12/30/24 11:27*	*1*
Tetrachloro-m-xylene	*104*		*21 - 124*	*12/28/24 07:55*	*12/30/24 11:27*	*1*
Tetrachloro-m-xylene	*104*		*21 - 124*	*12/28/24 07:55*	*12/30/24 11:27*	*1*

Lab Sample ID: LCS 460-1014372/2-A
Matrix: Water
Analysis Batch: 1014538

2-3, 9-10

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1014372

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	4.00	4.42		ug/L		111	42 - 120
Aroclor 1016	4.00	4.24		ug/L		106	42 - 120
Aroclor 1260	4.00	4.55		ug/L		114	42 - 126
Aroclor 1260	4.00	4.67		ug/L		117	42 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*104*		*18 - 145*
DCB Decachlorobiphenyl	*107*		*18 - 145*
Tetrachloro-m-xylene	*109*		*21 - 124*
Tetrachloro-m-xylene	*111*		*21 - 124*

Lab Sample ID: LCSD 460-1014372/3-A
Matrix: Water
Analysis Batch: 1014538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1014372

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	4.00	4.82	*	ug/L		121	42 - 120	9	30
Aroclor 1016	4.00	4.62		ug/L		115	42 - 120	9	30
Aroclor 1260	4.00	5.02		ug/L		125	42 - 126	10	30
Aroclor 1260	4.00	5.36	*	ug/L		134	42 - 126	14	30

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20241231-185340.b\A21120.D				
Lims ID:	460-318022-B-3				
Client ID:	GCMW-09S-R				
Sample Type:	Client				
Inject. Date:	31-Dec-2024 14:54:30	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-318022-B-3				
Misc. Info.:	460-0185340-020				
Operator ID:		Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20241231-185340.b\8260624W_1.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	02-Jan-2025 07:04:39	Calib Date:	22-Oct-2024 05:47:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS1\20241022-182449.b\A18538.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1608				

First Level Reviewer: KG2Q Date: 02-Jan-2025 07:01:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 30 TBA-d9 (IS)	65	3.134	3.134	0.000	0	142847	1000.0	
38 1,1-Dichloroethane	63	3.745	3.746	-0.001	96	3514	0.7441	
* 42 2-Butanone-d5	46	4.222	4.228	-0.006	0	167007	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.716	4.716	0.000	97	121463	54.2	
60 Benzene	78	5.081	5.087	-0.006	94	24948	2.35	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.098	5.099	-0.001	0	119064	46.7	
* 66 Fluorobenzene	96	5.387	5.387	0.000	99	440301	50.0	
* 73 1,4-Dioxane-d8	96	6.157	6.157	0.000	0	18822	1000.0	
$ 83 Toluene-d8 (Surr)	98	7.245	7.245	0.000	100	433043	45.6	
84 Toluene	91	7.333	7.334	-0.001	93	20657	1.92	
* 94 Chlorobenzene-d5	117	9.327	9.328	-0.001	85	335484	50.0	
96 Ethylbenzene	106	9.445	9.445	0.000	98	138943	42.7	
98 m-Xylene & p-Xylene	106	9.575	9.575	-0.001	0	56997	14.1	
100 o-Xylene	106	9.957	9.957	0.000	95	101509	26.3	
$ 105 4-Bromofluorobenzene	174	10.422	10.422	0.000	92	139902	57.0	
* 121 1,4-Dichlorobenzene-d4	152	11.233	11.233	0.000	95	191732	50.0	
S 137 Xylenes, Total	100				0		40.4	

QC Flag Legend
Processing Flags

Reagents:

8260ISNEW_00192	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00252	Amount Added:	1.00	Units: uL	Run Reagent

$\frac{24948}{335434} \cdot \frac{50}{1.5837} = 2.347$ ✓

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-318022-1

SDG No.:

Client Sample ID: GCMW-09S-R | Lab Sample ID: 460-318022-3

Matrix: Water | Lab File ID: A21120.D

Analysis Method: 8260D | Date Collected: 12/26/2024 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/31/2024 14:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 1014703 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS1

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	0.74	J	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
540-59-0	1,2-Dichloroethene, Total	2.0	U	2.0	0.44
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	2.3		1.0	0.20
75-27-4	Bromodichloromethane	1.0	U	1.0	0.34
75-25-2	Bromoform	1.0	U *	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
124-48-1	Dibromochloromethane	1.0	U *	1.0	0.28
100-41-4	Ethylbenzene	43		1.0	0.30
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.9		1.0	0.38
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31

Report Date: 30-Dec-2024 12:09:39 Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20241229-185270.b\M34017.D
Lims ID: 460-318022-E-3-A
Client ID: GCMW-09S-R
Sample Type: Client
Inject. Date: 29-Dec-2024 18:21:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0185270-021
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20241229-185270.b\8270LVI_17.m
Limit Group: SV 8270E ICAL
Last Update: 30-Dec-2024 12:09:39 Calib Date: 22-Nov-2024 12:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20241122-183810.b\M32908.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: LKI7 Date: 30-Dec-2024 11:13:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.705	2.698	0.007	97	373437	4.18	
$ 6 Phenol-d5	99	3.596	3.595	0.001	0	317359	2.81	
10 Benzonitrile	103	3.788	3.704	0.081	51	49893	NC	
* 15 1,4-Dichlorobenzene-d4	152	3.951	3.950	0.001	94	533508	8.00	
12 2-Toluidine	107	4.270	4.263	0.009	37	1172	NC	
$ 28 Nitrobenzene-d5	82	4.494	4.494	0.000	83	729066	7.80	
* 38 Naphthalene-d8	136	5.191	5.190	0.001	99	2028214	8.00	
39 Naphthalene	128	5.210	5.209	0.001	97	10258218	38.1	EeMa
46 2-Methylnaphthalene	142	5.882	5.880	-0.002	85	607146	3.45	
47 1-Methylnaphthalene	142	5.978	5.974	0.002	92	3838448	24.1	E
$ 53 2-Fluorobiphenyl	172	6.244	6.245	-0.001	97	1452277	7.14	
54 1,1'-Biphenyl	154	6.337	6.338	-0.001	95	336015	1.56	
58 1,3-Dimethylnaphthalene	156	6.558	6.560	-0.004	95	577756	4.30	
62 Acenaphthylene	152	6.737	6.738	-0.004	97	89970	0.3581	
* 64 Acenaphthene-d10	164	6.875	6.878	-0.003	95	1066977	8.00	
66 Acenaphthene	154	6.907	6.907	0.000	95	2261302	14.9	
70 Dibenzofuran	168	7.070	7.071	-0.004	97	265439	1.17	
74 Fluorene	166	7.397	7.397	-0.003	94	1002326	5.69	
$ 80 2,4,6-Tribromophenol	330	7.624	7.627	-0.003	91	266897	7.68	
81 1-Naphthylamine	143	8.258	8.246	0.006	46	144	NC	
* 88 Phenanthrene-d10	188	8.284	8.286	-0.002	98	1809559	8.00	
89 Phenanthrene	178	8.307	8.308	-0.001	98	1724057	7.14	
90 Anthracene	178	8.351	8.356	-0.005	98	252081	1.03	
91 Carbazole	167	8.515	8.516	-0.004	96	62874	0.2939	
82 2-Naphthylamine	143	8.509	8.538	-0.036	18	93	NC	
93 Fluoranthene	202	9.428	9.430	-0.005	97	123227	0.5615	
95 Pyrene	202	9.640	9.641	-0.004	97	129640	0.5948	
$ 97 Terphenyl-d14	244	9.816	9.817	-0.001	98	867826	5.01	
* 103 Chrysene-d12	240	10.861	10.866	-0.006	99	1075215	8.00	
105 Bis(2-ethylhexyl) phthalate	149	10.963	10.965	-0.002	88	25083	0.2345	
* 110 Perylene-d12	264	12.694	12.695	-0.001	98	1096313	8.00	

607146 × 8 / 2028214 = 3.45 0.6932

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-318022-1

SDG No.:

Client Sample ID: GCMW-09S-R | Lab Sample ID: 460-318022-3

Matrix: Water | Lab File ID: M34017.D

Analysis Method: 8270E | Date Collected: 12/26/2024 09:00

Extract. Method: 3510C | Date Extracted: 12/29/2024 10:53

Sample wt/vol: 250(mL) | Date Analyzed: 12/29/2024 18:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 1014470 | Units: ug/L

Preparation Batch No.: 1014466 | Instrument ID: CBNAMS17

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.64
95-50-1	1,2-Dichlorobenzene	10	U	10	0.50
541-73-1	1,3-Dichlorobenzene	10	U	10	2.0
106-46-7	1,4-Dichlorobenzene	10	U	10	1.1
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	11
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.95
91-57-6	2-Methylnaphthalene	28		10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	1.2
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	8.6
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	1.3
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	120		10	1.1
208-96-8	Acenaphthylene	2.9	J	10	0.82
120-12-7	Anthracene	8.2	J	10	1.3

$3.45\,g \times \frac{2\,ml}{250\,ml} = 0.0276\ mg/L = 27.6\ ug/L$

Eurofins Edison

Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC14\20241230-185294.b\14F0010530.D				
Lims ID:	460-318022-G-9-A				
Client ID:	DUP-01				
Sample Type:	Client				
Inject. Date:	30-Dec-2024 14:25:05	ALS Bottle#:	90	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0185294-027				
Operator ID:		Instrument ID:	CPESTGC14		
Method:	\\chromfs\Edison\ChromData\CPESTGC14\20241230-185294.b\8082GC14.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	31-Dec-2024 10:43:32	Calib Date:	23-Oct-2024 13:24:19		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC14\20241023-182534.b\14F0008291.D				
Column 1 :	Rtx-CLPesticides (0.53 mm)		Det: GC ECD1A		
Column 2 :	Rtx-CLP Pest 2 (0.53 mm)		Det: GC ECD2B		
Process Host:	CTX1623				

First Level Reviewer: C0TZ Date: 31-Dec-2024 10:42:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	2.242	2.235	0.007	48325380	20.0	
2	1.923	1.917	0.006	98412368	20.0	
				RPD = 0.00		
$ 2 Tetrachloro-m-xylene						
1	3.329	3.320	0.009	202541587	88.1	
2	2.684	2.675	0.009	475751832	88.0	
				RPD = 0.07		

$\frac{202541587}{48325380} \times \frac{20}{.9518} = 88.06$

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-318022-1

SDG No.:

Client Sample ID: DUP-01 | Lab Sample ID: 460-318022-9

Matrix: Water | Lab File ID: 14F0010530.D

Analysis Method: 8082A | Date Collected: 12/26/2024 00:00

Extraction Method: 3510C | Date Extracted: 12/29/2024 07:56

Sample wt/vol: 250(mL) | Date Analyzed: 12/30/2024 14:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 1014538 | Units: ug/L

Preparation Batch No.: 1014372 | Instrument ID: CPESTGC14

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	95		18-145
877-09-8	Tetrachloro-m-xylene	88		21-124

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: GCMW-205
Lab Sample ID: 460-318022-2
Lab Name: Eurofins Edison
Job No.: 460-318022-1
SDG ID.:
Matrix: Water
Date Sampled: 12/26/2024 08:50
Reporting Basis: WET
Date Received: 12/27/2024 18:00
Preparation Batch Number: 1015034
Instrument ID: ICPMS4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	20700	40.0	11.7	ug/L			1	6020B
7440-36-0	Antimony	34.7	2.0	0.48	ug/L			1	6020B
7440-38-2	Arsenic	13.3	2.0	1.2	ug/L			1	6020B
7440-39-3	Barium	357	4.0	0.93	ug/L			1	6020B
7440-41-7	Beryllium	1.3	0.80	0.12	ug/L			1	6020B
7440-43-9	Cadmium	1.7	2.0	0.38	ug/L	J		1	6020B
7440-70-2	Calcium	116000	500	31.7	ug/L			1	6020B
7440-47-3	Chromium	52.6	4.0	1.7	ug/L			1	6020B
7440-48-4	Cobalt	20.4	4.0	0.41	ug/L			1	6020B
7440-50-8	Copper	68.0	4.0	2.0	ug/L			1	6020B
7439-89-6	Iron	45000	120	33.7	ug/L			1	6020B
7439-92-1	Lead	67.2	1.2	0.42	ug/L			1	6020B
7439-95-4	Magnesium	32100	200	21.8	ug/L			1	6020B
7439-96-5	Manganese	3660	8.0	0.84	ug/L			1	6020B
7440-02-0	Nickel	43.1	4.0	1.4	ug/L			1	6020B
7440-09-7	Potassium	10700	200	83.3	ug/L			1	6020B
7782-49-2	Selenium	8.4	2.5	0.43	ug/L			1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B
7440-23-5	Sodium	39700	500	180	ug/L			1	6020B
7440-28-0	Thallium	0.80	0.80	0.19	ug/L	U		1	6020B
7440-62-2	Vanadium	53.2	4.0	1.0	ug/L			1	6020B
7440-66-6	Zinc	346	16.0	4.2	ug/L			1	6020B

Site: Glen Clove Quarterly Groundwater Monitoring
Laboratory: Eurofins, Edison, NJ
Report Number: 460-318143
Reviewer: Bethany Russell/GEI Consultants
Date: January 22, 2025

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
GCMW-08S	460-318143-1	VOC, SVOC

The above-listed aqueous sample was collected on December 31, 2024, and was analyzed for volatile organic compounds (VOCs) by SW-846 method 8260D and semivolatile organic compounds (SVOCs) by SW-846 method 8270E. The data validation was performed in accordance with the following USEPA Region 2 Documents: Standard Operating Procedure (SOP) for Validation of Volatile Data, QA-HWSS-A-004 (March 2022), SOP for Validation of Semivolatile Data, QA-HWSS-A-005 (April 2022), as well as by the methods referenced by the data package and professional and technical judgment.

The data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Internal Standard Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/LCS Duplicate (LCSD) Results
- Quantitation Limits
- Sample Quantitation and Compound Identification

The following sample was listed on the Chain of Custody (COC); however, no sample was received: TB-12312024 (460-318143-2). Sample analysis was canceled on 1/10/25 per client request.

All results appear usable as reported or usable with minor qualification due to uncertainty for levels below the reporting limit and continuing calibration exceedances. These results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

Data Completeness

The data package was complete as received by the laboratory.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

All initial and continuing calibration criteria were met except where noted below.

Instrument/ Calibration Standard	Compound	Calibration Exceedance	Validation Qualifier
VOCs			
CVOAMS7 CCV 460-1014989/2	Bromomethane	40.4 %D	Estimate (UJ) the nondetect results in the associated sample.
	2-Butanone	22.0 %D	
Associated samples: GCMW-08S			
SVOCs			
CBNAMS17 CCV 460-1015134/2	Bis(2-ethylhexyl)phthalate	24.8 %D	Estimate (UJ) the nondetect result in the associated sample.
Associated samples: GCMW-08S			

Initial calibration (ICAL) relative standard deviation (%RSD) > 20% for VOC and SVOC; estimate (J) positive and blank-qualified (UJ) results only.
Continuing calibration (CCAL) percent difference (%D) > 20% for VOC and SVOC; estimate (J/UJ) positive and nondetect results.
Response factor (RF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.
Reporting limit standard Criteria of 70-130 %R not met: estimate (J/UJ) results <10xRL dependent on recovery.

Blanks

Contamination was not detected in the laboratory instrument and method blank samples.

Surrogate Recoveries

All surrogate recovery criteria were met.

MSMSD Results

MS/MSD analyses were not associated with this sample set.

Internal Standard Results

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set.

LCS/LCSD Results

All compound recovery and precision criteria were met in the LCS and/or LCSD samples.

Quantitation Limits

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). If detected, these results were qualified as estimated (J) by the laboratory. The direction of the bias is indeterminate for these results.

No sample dilutions were performed.

Sample Quantitation and Compound Identification

Compound identification criteria were met. Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Client Sample ID: GCMW-08S

Date Collected: 12/31/24 10:35
Date Received: 12/31/24 16:30

Lab Sample ID: 460-318143-1
Matrix: Water

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			01/03/25 14:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			01/03/25 14:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			01/03/25 14:06	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			01/03/25 14:06	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			01/03/25 14:06	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			01/03/25 14:06	1
1,2-Dichloroethene, Total	2.0	U	2.0	0.44	ug/L			01/03/25 14:06	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			01/03/25 14:06	1
2-Butanone (MEK)	5.0	U J	5.0	1.9	ug/L			01/03/25 14:06	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			01/03/25 14:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			01/03/25 14:06	1
Acetone	5.0	U	5.0	4.4	ug/L			01/03/25 14:06	1
Benzene	1.0	U	1.0	0.20	ug/L			01/03/25 14:06	1
Bromodichloromethane	1.0	U	1.0	0.34	ug/L			01/03/25 14:06	1
Bromoform	1.0	U	1.0	0.54	ug/L			01/03/25 14:06	1
Bromomethane	1.0	U J	1.0	0.55	ug/L			01/03/25 14:06	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			01/03/25 14:06	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			01/03/25 14:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			01/03/25 14:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/03/25 14:06	1
Chloroform	1.0	U	1.0	0.33	ug/L			01/03/25 14:06	1
Chloromethane	1.0	U	1.0	0.40	ug/L			01/03/25 14:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/03/25 14:06	1
Dibromochloromethane	1.0	U	1.0	0.28	ug/L			01/03/25 14:06	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/03/25 14:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			01/03/25 14:06	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			01/03/25 14:06	1
Styrene	1.0	U	1.0	0.42	ug/L			01/03/25 14:06	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			01/03/25 14:06	1
Toluene	1.0	U	1.0	0.38	ug/L			01/03/25 14:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			01/03/25 14:06	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			01/03/25 14:06	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			01/03/25 14:06	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			01/03/25 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 128*		*01/03/25 14:06*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*01/03/25 14:06*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 132*		*01/03/25 14:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/03/25 14:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.0	U	2.0	0.64	ug/L		01/04/25 11:13	01/04/25 23:21	1
1,2-Dichlorobenzene	10	U	10	0.50	ug/L		01/04/25 11:13	01/04/25 23:21	1
1,3-Dichlorobenzene	10	U	10	2.0	ug/L		01/04/25 11:13	01/04/25 23:21	1
1,4-Dichlorobenzene	10	U	10	1.1	ug/L		01/04/25 11:13	01/04/25 23:21	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		01/04/25 11:13	01/04/25 23:21	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		01/04/25 11:13	01/04/25 23:21	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		01/04/25 11:13	01/04/25 23:21	1

BCA 1/22/25

Client Sample ID: GCMW-08S
Date Collected: 12/31/24 10:35
Date Received: 12/31/24 16:30

Lab Sample ID: 460-318143-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	10	U	10	1.1	ug/L		01/04/25 11:13	01/04/25 23:21	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		01/04/25 11:13	01/04/25 23:21	1
2,4-Dinitrophenol	40	U	40	11	ug/L		01/04/25 11:13	01/04/25 23:21	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		01/04/25 11:13	01/04/25 23:21	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		01/04/25 11:13	01/04/25 23:21	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		01/04/25 11:13	01/04/25 23:21	1
2-Chlorophenol	10	U	10	0.95	ug/L		01/04/25 11:13	01/04/25 23:21	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		01/04/25 11:13	01/04/25 23:21	1
2-Methylphenol	10	U	10	0.67	ug/L		01/04/25 11:13	01/04/25 23:21	1
2-Nitroaniline	10	U	10	1.2	ug/L		01/04/25 11:13	01/04/25 23:21	1
2-Nitrophenol	10	U	10	0.75	ug/L		01/04/25 11:13	01/04/25 23:21	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		01/04/25 11:13	01/04/25 23:21	1
3-Nitroaniline	10	U	10	1.9	ug/L		01/04/25 11:13	01/04/25 23:21	1
4,6-Dinitro-2-methylphenol	20	U	20	8.6	ug/L		01/04/25 11:13	01/04/25 23:21	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		01/04/25 11:13	01/04/25 23:21	1
4-Chloro-3-methylphenol	10	U	10	1.3	ug/L		01/04/25 11:13	01/04/25 23:21	1
4-Chloroaniline	10	U	10	1.9	ug/L		01/04/25 11:13	01/04/25 23:21	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		01/04/25 11:13	01/04/25 23:21	1
4-Methylphenol	10	U	10	0.65	ug/L		01/04/25 11:13	01/04/25 23:21	1
4-Nitroaniline	10	U	10	1.2	ug/L		01/04/25 11:13	01/04/25 23:21	1
4-Nitrophenol	20	U	20	4.0	ug/L		01/04/25 11:13	01/04/25 23:21	1
Acenaphthene	**8.4**	**J**	10	1.1	ug/L		01/04/25 11:13	01/04/25 23:21	1
Acenaphthylene	**4.2**	**J**	10	0.82	ug/L		01/04/25 11:13	01/04/25 23:21	1
Anthracene	**4.7**	**J**	10	1.3	ug/L		01/04/25 11:13	01/04/25 23:21	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/04/25 11:13	01/04/25 23:21	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/04/25 11:13	01/04/25 23:21	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/04/25 11:13	01/04/25 23:21	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		01/04/25 11:13	01/04/25 23:21	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/04/25 11:13	01/04/25 23:21	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		01/04/25 11:13	01/04/25 23:21	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		01/04/25 11:13	01/04/25 23:21	1
Bis(2-ethylhexyl) phthalate	2.0	U J	2.0	0.80	ug/L		01/04/25 11:13	01/04/25 23:21	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		01/04/25 11:13	01/04/25 23:21	1
Carbazole	10	U	10	0.68	ug/L		01/04/25 11:13	01/04/25 23:21	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/04/25 11:13	01/04/25 23:21	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/04/25 11:13	01/04/25 23:21	1
Dibenzofuran	**3.1**	**J**	10	1.1	ug/L		01/04/25 11:13	01/04/25 23:21	1
Diethyl phthalate	10	U	10	0.98	ug/L		01/04/25 11:13	01/04/25 23:21	1
Dimethyl phthalate	10	U	10	0.77	ug/L		01/04/25 11:13	01/04/25 23:21	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		01/04/25 11:13	01/04/25 23:21	1
Di-n-octyl phthalate	10	U	10	4.0	ug/L		01/04/25 11:13	01/04/25 23:21	1
Fluoranthene	**5.4**	**J**	10	0.84	ug/L		01/04/25 11:13	01/04/25 23:21	1
Fluorene	**4.2**	**J**	10	0.91	ug/L		01/04/25 11:13	01/04/25 23:21	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		01/04/25 11:13	01/04/25 23:21	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		01/04/25 11:13	01/04/25 23:21	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		01/04/25 11:13	01/04/25 23:21	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		01/04/25 11:13	01/04/25 23:21	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/04/25 11:13	01/04/25 23:21	1
Isophorone	10	U	10	0.80	ug/L		01/04/25 11:13	01/04/25 23:21	1

BCA 1/22/25

Client Sample ID: GCMW-08S

Date Collected: 12/31/24 10:35
Date Received: 12/31/24 16:30

Lab Sample ID: 460-318143-1

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	2.0	U	2.0	0.54	ug/L		01/04/25 11:13	01/04/25 23:21	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		01/04/25 11:13	01/04/25 23:21	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		01/04/25 11:13	01/04/25 23:21	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		01/04/25 11:13	01/04/25 23:21	1
Pentachlorophenol	20	U	20	6.6	ug/L		01/04/25 11:13	01/04/25 23:21	1
Phenanthrene	**45**		10	1.3	ug/L		01/04/25 11:13	01/04/25 23:21	1
Phenol	10	U	10	0.29	ug/L		01/04/25 11:13	01/04/25 23:21	1
Pyrene	**5.3**	**J**	10	1.6	ug/L		01/04/25 11:13	01/04/25 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*37 - 150*	*01/04/25 11:13*	*01/04/25 23:21*	*1*
2-Fluorobiphenyl	*58*		*46 - 139*	*01/04/25 11:13*	*01/04/25 23:21*	*1*
2-Fluorophenol (Surr)	*31*		*16 - 80*	*01/04/25 11:13*	*01/04/25 23:21*	*1*
Nitrobenzene-d5 (Surr)	*59*		*51 - 145*	*01/04/25 11:13*	*01/04/25 23:21*	*1*
Phenol-d5 (Surr)	*21*		*10 - 56*	*01/04/25 11:13*	*01/04/25 23:21*	*1*
Terphenyl-d14 (Surr)	*19*		*13 - 159*	*01/04/25 11:13*	*01/04/25 23:21*	*1*

Chain of Custody Record

685900 eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Chris Momj	Site Contact: Tom Johansen	Date: 12/31/24	COC No:
Company Name GEI Consultants Inc. P.C.	Tel/Email: cmomjian@geiconsultants.com	Lab Contact: K. Temple	Carrier: Test America	1 of 1 COCs
Address 1000 New York Ave	Analysis Turnaround Time			Sampler P. Acchia
City/State/Zip Huntington Station/NY/11746	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone 631-760-9300	TAT if different from Below Standard			Walk-in Client:
Fax	☐ 2 weeks			Lab Sampling:
Project Name National Grid- GW Monitoring	☐ 1 week			
Site Glen Cove Former MGP	☐ 2 days			Job / SDG No.: 318143
PO# 190577424.203	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	SVOCs	Sample Specific Notes:
~~GCMW-BG~~ (PA)										
GCMW-08S	12/31/24	1035	G	GW	5			X	X	
TB-123124	12/31/24	—	G	GW	2			X		

460-318143 Chain of Custody

Page 828 of 830

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments: CAT B REPORT

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No..	Cooler Temp. (°C). Obs'd._____ Corr'd:_____	Therm ID No.:_____
Relinquished by: Peter Acchia	Company: GEI Consultants Inc.	Date/Time: 12/31/24	Received by:	Company:	Date/Time: 12/31/24 18:20
Relinquished by:	Company:	Date/Time:	Received by:	Company: EET 12-31-24	Date/Time: 14:47
Relinquished by	Company: EET 12-31-24	Date/Time: 1630	Received in Laboratory by:	Company: ETA	Date/Time: 12/31 1630

no/cs #R #9 3.7/3.9

NG Downstate Glen Cove

Data Review Worksheets

Data Package ID: 460-312143
Project/Charge Number: 190574-20.4
Matrix: water
Collection Date/Cooler Temperature Acceptance:
12/31 , 3.9°C

Sample IDs: See attached laboratory report summary form

Field Duplicate IDs: n/a

Data Review Elements:

1. Agreement of Analyses Conducted with COC – Laboratory Report/EDD Revisions Needed
1-2 VOCs
1 SVOCs

2. Holding Times and Sample Preservation Nonconformances
See Completeness form or attached pages for analyses/hold time outliers
no outliers ✓

3. Initial and Continuing Calibrations: See Attached Form

4. Blanks (Laboratory and Field)
Blank Actions – Make action level table of 2x and 10x the blank contamination detected.
If sample result ≤ RL; report the result as nondetect (U) at the reporting limit (RL).
If sample result > RL and < 2xblank contamination; report the result as nondetect (U) at the detected value.
If sample result > RL and ≤ 10x Action level; report the result as estimated (J); biased high.
If the sample result is nondetect or > the 10x Action level; validation is not required.

~~MB-12312024~~
VOC MB 460-1014989 ND ✓
SVOC MB 460-1015114 ND ✓

5. Surrogate Spike Recoveries - Lab Limits used

For VOC; any surrogate out – qualify results based on recovery.
For SVOC; one surrogate out (but >10%) in each fraction no action taken. Two or more out – qualify results based on recovery.

VOC W
SVOC W

6. MS/MSD Results - Organics: Lab limits, Metals/CN 75-125% REC and <20%RPD (AQ) <35%RPD Soils

Only evaluated if performed on a **project sample**:
If sample compound level is greater than 4x the spike conc., action is not applied based on recoveries – only RPD evaluated.
For any analyte recovery outside of control limits but >10%; estimate based on recovery.
For analyte recovery less than 10; estimate (J) if positive, reject (R) if nondetect.
IF MS/MSD RPD is high; estimate (J) if positive, accept nondetect without qualification.

N/A

7. LCS Results – Lab limits used

For any analyte recovery outside of control limits but ≥10%; estimate based on recovery.
For analyte recovery < 10%; estimate (J) if positive, reject (R) if nondetect.

VOC LCS/D 460-101409/5 ✓
SVOC LCS/D 460-101511/4 ✓

8. Internal Standards - 50 – 200% control limits

For IS recovery <50 (but > 20%) estimate (J/UJ) associated positive and nondetect compounds.
For IS recovery <20% estimate (J) if positive, reject (R) if nondetect.
Only those compounds quantitated from an internal standard are affected.
No qualification for high IS recovery if sample is nondetect.

9. Field Duplicate Results – Use separate sheet

Aqueous review: Criteria: When both results are ≥5x the RL, RPDs must be < 30%.
When results are < 5x the QL, the difference between the original and field duplicate must be less than 2xRL

Soil review: Criteria: When both results are ≥5x the RL, RPDs must be < 50%.
When results are < 5x the QL, the difference between the original and field duplicate must be less than 4xRL

10. Dual Column Results – For GC analyses - Easier to print out Form 10's for multiple actions.

Percent Differences	Qualifier
0% – 25%	No qualification
26% – 70%	J
71 – 200% (interferences detected)*	JN
> 50% (pesticide value < CRQL)**	U
> 200%	R

* When interferences are detected on either column, qualify the data as "JN".

** When the pesticide value is below CRQL and %D > 50%, raise the value to CRQL and qualify "U" undetected.

11. Laboratory Duplicate Results

All analyses with the exception of metals: Use laboratory control limits
Metals: Aqueous limit of 20% RPD and soil limit of 35% RPD

N/A

12. Serial Dilution Results

%D between sample and dilution analysis must be <10% for analyte level greater than 50X MDL.

N/A

13. Quantitation Limits/Required Dilutions and reanalyses

no dilutions

14. Sample Moisture Content - Soils with total solids less than 30% are estimated (J/UJ)

15. Additional Nonconformances – Comparison of Total/Free Cyanide, Total/Dissolved Metals, etc.

16. Results between MDL and RL - Are results between MDL and RL detected or reported in this job? If so – Note must be added to validation report. If not, validation report must state that detected results were reported down to RL only.

J flag reported

Sample Analyses/Completeness/Hold Time Exceedance/Dilutions

Sample	Collection Date	VOC		SVOC										
-01	12/31	1/3		1/4										
-02														
-03														
-04														
-05														
-06														
-07														
-08														
-09														
-10														
-11														
-12														
-13														
-14														
-15														

Calibration Review Page ____ of ____

Analysis	Instrument/ Date	Compound/Analyte	%RSD, %D, % REC, RF	Associated samples
VOC	CVOA057			
	BFB 11/21		✓	
	ICAL 11/21		✓	
	ICV 11/21		✓	
	CCV 1/3	see attached		all
SVOC	CSOA057			
	DFTPP 11/22		✓	
	ICV 11/22		✓	
	CCV 1/4	see attached	✓	all
	ICAL 11/22		✓	

Initial calibration (ICAL) %RSD > 20% for VOC, SVOC, pest, PCB; Estimate (J) positive results.
Correlation coefficient < 0.990 for organics or <0.995 for inorganics; Estimate (J/UJ) positive and nondetect results.
Initial calibration verification (ICV) %D > control limits; Estimate (J/UJ) positive and nondetect results.
Continuing calibration (CCAL) %D >20% for VOC, SVOC, pest, PCBs; Estimate (J/UJ) positive and nondetect results.
Continuing calibration recovery outside of control limits for inorganics; Estimate (J/UJ) dependent on recovery.
Detections for metals > MDL in the ICSA sample; Evaluation required if sample interferent levels are at least 75% of the ICSA.
Response factor (RF) <0.050 (or <0.010 for poor responders); Estimate (J) positive and reject (R) nondetect results.

Sample Summary

Client: GEI Consultants Inc
Project/Site: National Grid - Downstate Glen Cove

Job ID: 460-318143-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-318143-1	GCMW-08S	Water	12/31/24 10:35	12/31/24 16:30

CASE NARRATIVE

Client: GEI Consultants Inc

Project: National Grid - Downstate Glen Cove

Report Number: 460-318143-1

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 12/31/2024 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.9°C.

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.

RECEIPT EXCEPTIONS
The following sample was listed on the Chain of Custody (COC); however, no sample was received: TB-12312024 (460-318143-2). Sample analysis was canceled on 1/10/25 per client request.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Sample GCMW-08S (460-318143-1) was analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 01/03/2025.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Sample GCMW-08S (460-318143-1) was analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared and analyzed on 01/04/2025.

The continuing calibration verification (CCV) associated with batch 460-1015134 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other difficulties were encountered during the semivolatiles analysis.

All quality control parameters were within the acceptance limits.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-318143-1

SDG No.:

Lab Sample ID: CCVIS 460-1014989/2 Calibration Date: 01/03/2025 06:18

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: V648075.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
Monochloropentafluoroethane	QuaF		0.0065		15.9	20.0	-20.3*	20.0
Chlorotrifluoroethene	Ave	0.0341	0.0276		5.67	20.0	-70.7*	20.0
1,1-Difluoroethane	Ave	0.2126	0.1462		13.7	20.0	-31.3*	20.0
Dichlorodifluoromethane	Ave	0.5829	0.3973	0.1000	13.6	20.0	-31.8*	20.0
Chlorodifluoromethane	Ave	0.0867	0.0526		12.4	20.0	-37.9*	20.0
Chloromethane	Ave	0.6144	0.5753	0.1000	18.7	20.0	-6.4	20.0
Vinyl chloride	Ave	0.5424	0.4860	0.1000	17.9	20.0	-10.4	20.0
Butadiene	Ave	0.5704	0.4969		17.4	20.0	-12.9	20.0
Bromomethane	Ave	0.2481	0.1478	0.1000	11.9	20.0	-40.4	50.0
Chloroethane	Ave	0.3608	0.3490	0.1000	19.3	20.0	-3.3	50.0
Dichlorofluoromethane	Ave	0.9003	0.8397		18.7	20.0	-6.7	20.0
Trichlorofluoromethane	Ave	0.6537	0.5492	0.1000	16.8	20.0	-16.0	20.0
Pentane	Ave	0.0882	0.0765		34.7	40.0	-13.3	20.0
Ethanol	QuaF		0.5961		1020	800	27.3	50.0
Ethyl ether	Ave	0.3110	0.2760		17.9	20.0	-10.6	20.0
2-Methyl-1,3-butadiene	Ave	0.4139	0.3919		18.9	20.0	-5.8	20.0
1,2-Dichloro-1,1,2-trifluoroethane	Ave	0.3890	0.2943		15.1	20.0	-24.3*	20.0
1,1,1-Trifluoro-2,2-dichloroethane	Ave	0.6751	0.5040		14.9	20.0	-25.3*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.4152	0.3563	0.1000	17.1	20.0	-14.7	20.0
Acrolein	Ave	0.0344	0.0514		59.7	40.0	49.2	50.0
1,1-Dichloroethene	Ave	0.4858	0.3994	0.1000	16.4	20.0	-17.8	20.0
Acetone	Ave	1.285	1.301	0.0500	101	100	1.2	50.0
Iodomethane	QuaF		0.1357		6.74	20.0	-66.3*	20.0
Isopropyl alcohol	Ave	6.080	6.438		212	200	5.9	50.0
Carbon disulfide	Ave	1.526	1.321	0.1000	17.3	20.0	-13.4	50.0
3-Chloro-1-propene	Ave	0.3374	0.2784		16.5	20.0	-17.5	20.0
Methyl acetate	Ave	0.2769	0.3306	0.0500	48.1	40.0	20.2*	20.0
Cyclopentene	Ave	1.047	1.000		19.1	20.0	-4.5	20.0
Acetonitrile	Ave	0.6432	0.7331		228	200	14.0	20.0
Methylene Chloride	Ave	0.5306	0.4607	0.1000	17.4	20.0	-13.2	20.0
2-Methyl-2-propanol	Ave	13.23	11.63		176	200	-12.1	50.0
Methyl tert-butyl ether	Ave	1.329	1.229	0.1000	18.5	20.0	-7.6	20.0
trans-1,2-Dichloroethene	Ave	0.5333	0.4360	0.1000	16.4	20.0	-18.2	20.0
Acrylonitrile	Ave	0.1570	0.1780		227	200	13.3	20.0
Hexane	Ave	0.5565	0.5358		19.3	20.0	-3.7	20.0
Isopropyl ether	Ave	1.357	1.518		22.4	20.0	11.8	20.0
1,1-Dichloroethane	Ave	0.8716	0.7992	0.2000	18.3	20.0	-8.3	20.0
Vinyl acetate	Ave	10.14	11.18		44.1	40.0	10.2	20.0
2-Chloro-1,3-butadiene	Ave	0.4792	0.3926		16.4	20.0	-18.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-318143-1

SDG No.:

Lab Sample ID: CCVIS 460-1014989/2 | Calibration Date: 01/03/2025 06:18

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: V648075.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
Tert-butyl ethyl ether	Ave	1.435	1.389		19.4	20.0	-3.2	20.0
2,2-Dichloropropane	Ave	0.1820	0.1438		15.8	20.0	-21.0*	20.0
2-Butanone (MEK)	Ave	0.6831	0.5328	0.0500	78.0	100	-22.0	50.0
cis-1,2-Dichloroethene	Ave	0.5663	0.4627	0.1000	16.3	20.0	-18.3	20.0
Ethyl acetate	Ave	0.6648	0.5378		33.4	40.0	-16.6	20.0
Methyl acrylate	Ave	0.3326	0.3409		21.1	20.0	5.7	20.0
Propionitrile	Lin2		0.0624		222	200	11.0	20.0
Chlorobromomethane	Ave	0.2397	0.2011		16.8	20.0	-16.1	20.0
Tetrahydrofuran	Ave	0.0573	0.0574		40.1	40.0	0.2	20.0
Methacrylonitrile	Ave	0.1934	0.1994		206	200	3.1	20.0
Chloroform	Ave	0.8311	0.7270	0.2000	17.5	20.0	-12.5	20.0
Cyclohexane	Ave	0.7260	0.6141	0.1000	16.9	20.0	-15.4	50.0
1,1,1-Trichloroethane	Ave	0.7338	0.6084	0.1000	16.6	20.0	-17.1	20.0
Carbon tetrachloride	Ave	0.5773	0.4773	0.1000	16.5	20.0	-17.3	20.0
1,1-Dichloropropene	Ave	0.6969	0.5972		17.1	20.0	-14.3	20.0
Isobutyl alcohol	Lin2		7.850		517	500	3.4	20.0
Isooctane	Ave	1.051	1.032		19.6	20.0	-1.9	20.0
Benzene	Ave	2.794	2.893	0.5000	20.7	20.0	3.4	20.0
Isopropyl acetate	Ave	0.4263	0.4023		18.9	20.0	-5.6	20.0
Tert-amyl methyl ether	Ave	1.424	1.407		19.8	20.0	-1.2	20.0
1,2-Dichloroethane	Ave	0.5781	0.5085	0.1000	17.6	20.0	-12.0	20.0
n-Heptane	Ave	0.2471	0.2339		18.9	20.0	-5.3	20.0
Trichloroethene	Ave	0.5348	0.4338	0.2000	16.2	20.0	-18.9	20.0
n-Butanol	Ave	1.984	1.373		346	500	-30.8	50.0
Ethyl acrylate	Qua2		0.0588		17.2	20.0	-13.8	20.0
Methylcyclohexane	Ave	0.7083	0.6327	0.1000	17.9	20.0	-10.7	50.0
1,2-Dichloropropane	Ave	0.4666	0.4483	0.1000	19.2	20.0	-3.9	20.0
Methyl methacrylate	Ave	0.1181	0.1187		40.2	40.0	0.5	20.0
1,4-Dioxane	Ave	2.147	2.025		377	400	-5.7	50.0
Dibromomethane	Ave	0.2816	0.2445		16.8	20.0	-16.2	20.0
n-Propyl acetate	Qua2		0.5904		22.5	20.0	12.5	20.0
Bromodichloromethane	Ave	0.5880	0.5018	0.2000	17.1	20.0	-14.6	20.0
2-Nitropropane	Qua2		0.0910		49.4	40.0	23.6*	20.0
2-Chloroethyl vinyl ether	Ave	0.2179	0.1921		17.7	20.0	-11.8	20.0
Epichlorohydrin	Ave	0.4642	0.4224		364	400	-9.0	20.0
cis-1,3-Dichloropropene	Ave	1.056	1.058	0.2000	20.0	20.0	0.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	4.314	4.649	0.0500	108	100	7.8	50.0
Toluene	Ave	3.098	2.919	0.4000	18.8	20.0	-5.8	20.0
trans-1,3-Dichloropropene	Ave	0.8963	0.8792	0.1000	19.6	20.0	-1.9	50.0
Ethyl methacrylate	Ave	0.7161	0.8181		22.8	20.0	14.2	20.0
1,1,2-Trichloroethane	Ave	0.4863	0.4966	0.1000	20.4	20.0	2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-318143-1

SDG No.:

Lab Sample ID: CCVIS 460-1015134/2 | Calibration Date: 01/04/2025 13:26

Instrument ID: CBNAMS17 | Calib Start Date: 11/22/2024 10:01

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 11/22/2024 12:56

Lab File ID: M34037.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD	Ave	0.2488	0.2010		80.8	100	-19.2	20.0
Carbamazepine	Ave	0.4615	0.5013		11400	10000	13.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4661	0.5063	0.0100	10900	10000	8.6	20.0
Benzo[a]anthracene	Ave	1.322	1.350	0.8000	10200	10000	2.1	20.0
Chrysene	Ave	1.264	1.264	0.7000	10000	10000	0.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7957	0.9932	0.0100	12500	10000	24.8*	20.0
Di-n-octyl phthalate	Ave	1.290	1.530	0.0100	11900	10000	18.6	20.0
Benzo[b]fluoranthene	Ave	1.142	1.170		10200	10000	2.5	20.0
Benzo[k]fluoranthene	Ave	1.186	1.250	0.7000	10500	10000	5.3	20.0
Benzo[a]pyrene	Ave	1.022	1.099	0.7000	10800	10000	7.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.163	1.177	0.5000	10100	10000	1.2	20.0
Dibenz(a,h)anthracene	Ave	1.162	1.128	0.4000	9700	10000	-3.0	20.0
Benzo[g,h,i]perylene	Ave	1.138	1.125	0.5000	9890	10000	-1.1	20.0
2-Fluorophenol (Surr)	Ave	1.340	1.362		10200	10000	1.6	20.0
Phenol-d5 (Surr)	Ave	1.693	1.752		10300	10000	3.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3689	0.3761		10200	10000	2.0	20.0
2-Fluorobiphenyl	Ave	1.524	1.530		10000	10000	0.4	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2607	0.2889		11100	10000	10.8	20.0
Terphenyl-d14 (Surr)	Ave	1.289	1.257		9750	10000	-2.5	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-318143-1

SDG No.:

Client Sample ID: GCMW-08S | Lab Sample ID: 460-318143-1

Matrix: Water | Lab File ID: V648096.D

Analysis Method: 8260D | Date Collected: 12/31/2024 10:35

Sample wt/vol: 5(mL) | Date Analyzed: 01/03/2025 14:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 1014989 | Units: ug/L

Preparation Batch No.: | Instrument ID: CVOAMS7

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1.0	U	1.0	0.17
1330-20-7	Xylenes, Total	2.0	U	2.0	0.65

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-128
460-00-4	4-Bromofluorobenzene	93		76-120
1868-53-7	Dibromofluoromethane (Surr)	93		77-132
2037-26-5	Toluene-d8 (Surr)	98		80-120

46.3/50 = 0.926 = 93%

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS7\20250103-185419.b\V648096.D				
Lims ID:	460-318143-A-1				
Client ID:	GCMW-08S				
Sample Type:	Client				
Inject. Date:	03-Jan-2025 14:06:30	ALS Bottle#:	72	Worklist Smp#:	23
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-318143-A-1				
Misc. Info.:	460-0185419-023				
Operator ID:		Instrument ID:	CVOAMS7		
Method:	\\chromfs\Edison\ChromData\CVOAMS7\20250103-185419.b\8260W_7.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	05-Jan-2025 10:48:50	Calib Date:	21-Nov-2024 04:23:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS7\20241121-183733.b\V62364.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS Quad		
Process Host:	CTX1612				

First Level Reviewer: RD6L Date: 04-Jan-2025 10:22:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 28 TBA-d9 (IS)	66	2.420	2.420	0.000	98	28804	1000.0	
* 42 2-Butanone-d5	46	3.300	3.300	0.000	100	272707	250.0	
$ 56 Dibromofluoromethane (Surr)	113	3.734	3.734	0.000	97	164388	46.3	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	4.043	4.043	0.000	95	182189	50.8	
* 67 Fluorobenzene	96	4.306	4.306	0.000	99	663660	50.0	
* 68 1,4-Dioxane-d8	96	5.003	4.991	0.012	87	19125	1000.0	
$ 82 Toluene-d8 (Surr)	98	5.975	5.974	0.001	100	690092	48.8	
* 94 Chlorobenzene-d5	117	7.906	7.906	0.000	86	439645	50.0	
$ 105 4-Bromofluorobenzene	174	9.243	9.243	0.000	0	168036	46.4	
* 106 1,4-Dichlorobenzene-d4	152	10.284	10.283	0.001	96	190682	50.0	

Reagents:

8260ISNEW_00171	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00252	Amount Added: 1.00	Units: uL	Run Reagent

$\frac{164388}{663660} \times \frac{50}{0.2674} = 46.3$

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-318143-1

SDG No.:

Client Sample ID: GCMW-08S | Lab Sample ID: 460-318143-1

Matrix: Water | Lab File ID: M34065.D

Analysis Method: 8270E | Date Collected: 12/31/2024 10:35

Extract. Method: 3510C | Date Extracted: 01/04/2025 11:13

Sample wt/vol: 250(mL) | Date Analyzed: 01/04/2025 23:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 1015134 | Units: ug/L

Preparation Batch No.: 1015114 | Instrument ID: CBNAMS17

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	3.1	J	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	4.0
206-44-0	Fluoranthene	5.4	J	10	0.84
86-73-7	Fluorene	4.2	J	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	6.6
85-01-8	Phenanthrene	45	✓	10	1.3

$5.58 \times \frac{2\,ml}{250\,ml} = 0.0446\ mg/L = 44.6\ ug/L$ ✓

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20250104-185439.b\M34065.D				
Lims ID:	460-318143-E-1-A				
Client ID:	GCMW-08S				
Sample Type:	Client				
Inject. Date:	04-Jan-2025 23:21:30	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0185439-030				
Operator ID:		Instrument ID:	CBNAMS17		
Method:	\\chromfs\Edison\ChromData\CBNAMS17\20250104-185439.b\8270LVI_17.m				
Limit Group:	SV 8270E ICAL				
Last Update:	05-Jan-2025 14:23:20	Calib Date:	22-Nov-2024 12:56:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CBNAMS17\20241122-183810.b\M32908.D				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1669				

First Level Reviewer: C8UP Date: 05-Jan-2025 14:23:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.669	2.666	0.003	97	348788	3.11	
$ 6 Phenol-d5	99	3.557	3.567	-0.010	0	297212	2.10	
* 15 1,4-Dichlorobenzene-d4	152	3.917	3.921	-0.004	95	669513	8.00	
$ 28 Nitrobenzene-d5	82	4.463	4.468	-0.005	83	677660	5.91	
* 38 Naphthalene-d8	136	5.165	5.171	-0.006	99	2486979	8.00	
$ 53 2-Fluorobiphenyl	172	6.229	6.236	-0.007	97	1420587	5.82	
62 Acenaphthylene	152	6.728	6.729	-0.007	98	157372	0.5219	
* 64 Acenaphthene-d10	164	6.866	6.872	-0.006	96	1280638	8.00	
66 Acenaphthene	154	6.894	6.901	-0.007	96	191967	1.05	
70 Dibenzofuran	168	7.064	7.064	-0.007	97	106381	0.3905	
74 Fluorene	166	7.390	7.391	-0.007	92	111825	0.5291	
$ 80 2,4,6-Tribromophenol	330	7.621	7.627	-0.006	90	260976	6.25	
* 88 Phenanthrene-d10	188	8.283	8.286	-0.003	99	2324377	8.00	
89 Phenanthrene	178	8.306	8.312	-0.006	98	1730890	5.58	
90 Anthracene	178	8.351	8.360	-0.009	98	185060	0.5889	
93 Fluoranthene	202	9.433	9.443	-0.010	97	191665	0.6799	
95 Pyrene	202	9.648	9.647	-0.006	96	227228	0.6644	
$ 97 Terphenyl-d14	244	9.821	9.827	-0.006	98	524338	1.93	
* 103 Chrysene-d12	240	10.859	10.870	-0.011	99	1687185	8.00	
* 110 Perylene-d12	264	12.656	12.668	-0.012	98	1743528	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00197 Amount Added: 20.00 Units: uL Run Reagent

$\frac{1730890}{2324377} \times \frac{8}{1.0670} = 5.58$ ✓