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Date: July 10, 2024
Our Ref: ARC86277
Subject: Revised 2022 Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

Dear Ms. Lozewski,

On behalf of the General Electric Company (GE), attached for your review is the Revised 2022 Groundwater Sampling Report for the Von Roll Isola USA, Inc. property (formerly GE Riverview Plant) in Rotterdam, New York (New York State Department of Environmental Conservation [NYSDEC] Site No. 447005). This Report addresses the NYSDEC's June 13, 2024 comments on the original submittal dated November 2023. As requested by the NYSDEC, the recommendations for additional soil and groundwater investigation in the vicinity of VRI-1 will be provided under separate cover. Should you have any questions on this report, please contact me at (518) 514-8932, or Mr. Niel Walker from GE at niel.walker@ge.com.

Sincerely,
Arcadis of New York, Inc.

Doug Weeks
Project Manager

Email: doug.weeks@arcadis.com
Mobile: 518.514.8932

CC. Niel Walker, GE Aerospace
Andrew Gibson, Arcadis
Harolyn Hood, NYSDOH
Matthew Gregory, Von Roll USA, Inc.

General Electric Company

Revised 2022 Groundwater Sampling Report

Von Roll Isola USA, Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

July 2024

Revised 2022 Groundwater Sampling Report

Von Roll Isola USA Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

July 2024

Prepared By:
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Prepared For:
General Electric Company
Schenectady, New York

Our Ref:
ARC86277

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Appendices

1 Introduction

The General Electric Company (GE) entered into an Order on Consent with the New York State Department of Environmental Conservation (NYSDEC) in December 2013 to investigate and remediate portions of the Von Roll Isola USA, Inc. site (the Riverview Site, or Site) located in Rotterdam, Schenectady County, New York (NYSDEC vs. GE, 2013). The Riverview Site is identified as a portion of Block 2 and Lot 2 on the Rotterdam, NY Tax Map ID #48.-2-8.2. The Site encompasses a 22.12-acre area bounded by a steep embankment and the Delaware and Hudson (D&H) Railroad to the north, Campbell Road and the Town of Rotterdam publicly owned treatment works (POTW) and Campbell Plastics to the south, residential areas to the east, and the D&H Railroad and Rotterdam Square Mall to the west. A Site Location Map is presented as **Figure 1**. A Site Plan is presented as **Figure 2**.

In February 2014, a Remedial Design/Remedial Action (RD/RA) Work Plan detailing the implementation of the remedial alternative for the Site was finalized (Conestoga Rovers & Associates [CRA] 2014). The selected remedy included the following components: in-situ chemical oxidation (ISCO) involving injections of sodium persulfate to treat volatile organic compounds (VOCs) in the soil and groundwater, post-injection groundwater monitoring to assess the performance of the injections, execution and recording of an Environmental Easement to restrict groundwater use and prevent future exposure to remaining impacts at the Site, and the development and implementation of a Site Management Plan (SMP). The first of two rounds of ISCO injections were completed in August 2014, and the second round was completed in April 2015, as detailed in the Draft Final Engineering Report (CB&I 2015). The SMP, which details the protocols for management of remaining Site impacts, is currently under review by NYSDEC (Arcadis 2017).

The groundwater sampling event conducted in 2019 constituted the final monitoring event specified under the NYSDEC-approved RD/RA Work Plan (CRA 2014). However, in the 2019 Annual Groundwater Sampling Report (Arcadis 2019), GE recommended continuation of the annual groundwater monitoring program to include a round of water level gauging at all accessible site wells and sampling at a subset of nine wells (injection wells IW-3 and IW-6, and monitoring wells VRI-1, VRI-3, VRI-4, VRI-9, GT-9R, GT-14, GT-16). Accordingly, groundwater monitoring was completed at the Site in 2020 and 2021 per the recommendations presented in the 2019 report.

On September 13, 2022, GE received a letter from NYSDEC indicating their concurrence with the recommendation to continue the groundwater monitoring program and requesting that the sampling frequency be reduced to every fifth quarter to assess the potential for seasonal fluctuations in contaminant concentrations. The NYSDEC letter also stated that "*…groundwater in the vicinity of VRI-1 (specifically IW-6) is not approaching groundwater standards, which may indicate additional source material at depth*". The NYSDEC requested that GE submit a work plan with the next groundwater monitoring results, to address the groundwater contamination remaining in the vicinity of the VRI-1.

On November 15, 2023, GE submitted the 2022 Groundwater Sampling Report (Report) to NYSDEC. The Report presented the results of the groundwater sampling conducted at the Site in December 2022 (as well as a summary of the historical groundwater data for the Site) and also described the proposed additional investigation activities in the vicinity of VRI-1 to further assess the extent of the groundwater impacts and inform the scope of future remediation activities. On June 13, 2024, GE received comments from NYSDEC on the Report. This Revised 2022 Groundwater Sampling Report (Revised Report) addresses the NYSDEC's comments on the original November 2023 submittal. As requested by NYSDEC in their June 2024 comment letter, the scope of the proposed additional

investigation activities in the vicinity of VRI-1 will be provided to NYSDEC in a separate deliverable and will incorporate the NYSDEC's comments on the scope as presented in their June 13, 2024 letter.

2 Groundwater Sampling and Analysis

The 2022 groundwater sampling event was conducted by Arcadis, on behalf of GE, on December 1 and December 2, 2022. Nine groundwater samples were collected from seven monitoring wells (VRI-1, VRI-3, VRI-4, VRI-9, GT-9R, GT-14, GT-16) and two injection wells (IW-3 and IW-6) for VOC analyses. The monitoring well and injection well locations are shown on **Figure 3**. Sampling was performed in accordance with the Arcadis Site Health and Safety Plan (HASP).

Prior to sampling, each well was gauged using a water level meter and depth to water and depth to bottom measurements were recorded to the nearest 0.01 foot from the top of the well casing[1]. The measured groundwater elevations and potentiometric surface contours are shown in **Figure 3**.

Wells were pumped for 30 minutes or until field parameters stabilized, whichever was longer. Sampling was performed using a QED Sample Pro MicroPurge Pump and polyethylene bonded tubing. Groundwater geochemical field parameter data were measured and recorded on field data sheets prior to sample collection. These field parameters included temperature, potential hydrogen (pH), conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity (as measured using a Horiba multi-parameter system with a flow-through cell). Purge water was collected in a labeled 55-gallon drum and staged on-site for subsequent off-site disposal. The water level meter and other applicable equipment was decontaminated between well locations (i.e., scrubbed using non-phosphate soap and rinsed with distilled water).

Once the field parameters had stabilized, groundwater samples were collected in pre-cleaned, preserved sample containers provided by the laboratory (Eurofins in Amherst, NY) Eurofins is a National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory. Quality Assurance/Quality Control (QA/QC) samples included one Matrix Spike/Matrix Spike Duplicate (MS/MSD) pair collected from IW-3, one blind field duplicate sample collected from VRI-1, one field blank, and one trip blank (prepared by Eurofins). The completed field data sheets are included in **Appendix A**. Samples were labeled, packed on ice, and delivered under chain-of-custody (COC) to Eurofins for analysis. Samples were analyzed for Target Compound List (TCL) VOCs, as well as several non-standard VOCs of interest (1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, isopropylbenzene, and n-propylbenzene), via United States Environmental Protection Agency (USEPA) Method 8260C. A copy of the COC documentation is provided in the laboratory analytical data package provided in **Appendix B**.

3 Groundwater Analytical Results

The analytical results for the 2022 groundwater sampling event are summarized in **Table 1** and in **Figure 4**. A copy of the complete laboratory analytical report is provided in **Appendix B** and the data will be provided to NYSDEC

[1] Monitoring well VRI-2 was buried beneath large piles of trees and vegetation which had been cleared by others from within the nearby power line right-of-way; as a result VRI-2 could not be accessed for water level gauging. Note that the original 2022 Report submittal (Figure 3) mistakenly indicated that a water level measurement was collected from GT-13; rather the water level was collected from GT-3.

electronically using the EQuIS database. The groundwater data were validated by Arcadis and a Data Usability Summary Report (DUSR) was prepared (**Appendix C**). All the data are considered valid and useable.

The 2022 groundwater VOC data are presented, along with historical VOC sampling results, in **Figure 5**. Analytical results for VOCs were compared to the New York State Ambient Water Quality Standards and Guidance Values, as defined in the Division of Water Technical and Operational Guidance Series (TOGS 1.1.1; NYSDEC 1998). Downgradient perimeter monitoring wells GT-14, VRI-3, and VRI-4 exhibited no detections for VOCs in 2022. There were no exceedances of any individual water quality standards at monitoring wells GT-14, GT-9R, VRI-3, and VRI-4. Trichloroethylene (TCE) was detected at a concentration exceeding the NYS standard of 5 µg/L at one well (GT-16, 7.2 ug/L); however, this concentration is generally within the range of concentrations detected at this well during historical monitoring events. In addition, the VOC compounds 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes were detected at levels exceeding the NYS Ambient Water Quality Standards in IW-3, IW-6 and VRI-1; and isopropylbenzene and n-propylbenzene were detected at concentrations exceeding the NYS Ambient Water Quality Standards in IW-6 and VRI-1. In addition, ethylbenzene and acetone were detected at concentrations exceeding the NYS Ambient Water Quality Standards in VRI-1. No other VOC compounds were detected at levels exceeding the NYS Ambient Water Quality Standards (Table 1).

4 Recommendations

Historical analytical data (**Figure 5**) demonstrate that the groundwater impacts at the Site are primarily localized to a small area in the vicinity of VRI-1 and slightly to the east at GT-9R. The three monitoring wells located downgradient from VRI-1 and GT-9R at the perimeter of the Von Roll Site (i.e., GT-14, VRI-3, and VRI-4) have shown low or no detections of site-related COCs for the last several monitoring events dating back to 2016. Additionally, there are no potential downgradient groundwater receptors between the Site and the Mohawk River, located approximately one mile to the northeast[2].

Based on the results of the groundwater monitoring conducted at the Site in December 2022, GE recommends continued groundwater monitoring at the Site consistent with the work performed from 2020 – 2022 and NYSDEC's recommendation for sampling every fifth quarter. Specifically, groundwater monitoring will include water level gauging at all accessible Site wells and sampling the subset of nine wells that were sampled in 2020-2022 (injection wells IW-3 and IW-6, and monitoring wells VRI-1, VRI-3, VRI-4, VRI-9, GT-9R, GT-14, GT-16). The next monitoring event will be conducted in the first quarter of 2024. The data from the routine monitoring events will continue to be reported to NYSDEC and submitted electronically via EQuIS. In addition to the continuation of the routine groundwater monitoring program at the Site, GE proposes to perform additional soil and groundwater investigation in the vicinity of VRI-1 to better define the horizontal and vertical extent of impacts and inform the scope of potential future remediation activities to address the residual groundwater impacts remaining in that area. As requested by NYSDEC, the scope of the additional investigation activities will be submitted to NYSDEC as a separate deliverable.

5 References

Arcadis. 2017. Draft Site Management Plan. Prepared for GE-Corporate Environmental Programs, Von Roll Site, Schenectady, NY. September.

[2] Groundwater beneath the Site is not in direct hydraulic connection with the Schenectady and Rotterdam well field aquifer (O'Brien & Gere Engineers, Inc.1998)

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New York State Department of Environmental Conservation vs. General Electric Company. 2013. Order on Consent and Administrative Settlement, Index #4A-0800-12-12-. Site #447005. December 16.

O'Brien & Gere Engineers, Inc. 1998. Summary Report Riverview Facility Schenectady, New York. Prepared for General Electric Company. July.

Table

Table 1
2022 Groundwater Analytical Summary
2022 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Location ID: / Date Collected:	CAS Number	NYSDEC TOGS 1 1 1 (GW Standard)	Units	GT-9R 12/2/2022	GT-14 12/2/2022	GT-16 12/2/2022	IW-3 12/2/2022	IW-6 12/1/2022	VRI-1 12/1/2022	VRI-3 12/2/2022	VRI-4 12/2/2022	VRI-9 12/1/2022
Volatile Organics												
1,1,1-Trichloroethane	71-55-6	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	75-34-3	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	75-35-4	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	1.0 U	1.0 U	1.0 U	**1500 D**	**11000**	**4500 D [4400]**	1.0 U	1.0 U	3.7
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	106-93-4	0.0006	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	78-87-5	1	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	ug/l	1.0 U	1.0 U	1.0 U	**940 D**	**4300**	**2600 D [2500]**	1.0 U	1.0 U	1.8
1,3-Dichlorobenzene	541-73-1	3	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
2-Butanone (MEK)	78-93-3	50	ug/l	10 U	10 U	10 U	50 U	2000 U	200 U [1000 U]	10 U	10 U	10 U
4-Methyl-2-Pentanone	108-10-1	- -	ug/l	5.0 U	5.0 U	5.0 U	25 U	1000 U	100 U [500 U]	5.0 U	5.0 U	5.0 U
Acetone	67-64-1	50	ug/l	10 UJ	10 UJ	10 UJ	20 J	2000 UJ	**370 J [340 J]**	10 UJ	10 UJ	10 UJ
Benzene	71-43-2	1	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 UJ
Bromodichloromethane	75-27-4	50	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Bromoform	75-25-2	50	ug/l	1.0 UJ	1.0 UJ	1.0 UJ	5.0 UJ	200 UJ	20 UJ [100 UJ]	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	74-83-9	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Carbon Disulfide	75-15-0	60	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	56-23-5	5	ug/l	1.0 U	1.0 U	0.30 J	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
CFC-11	75-69-4	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
CFC-12	75-71-8	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Chlorobenzene	108-90-7	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Chlorodibromomethane	124-48-1	50	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Chloroethane	75-00-3	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Chloroform	67-66-3	7	ug/l	1.0 U	1.0 U	0.91 J	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Chloromethane	74-87-3	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Cyclohexane	110-82-7	- -	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Dichloromethane	75-09-2	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Ethylbenzene	100-41-4	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	**280 [270]**	1.0 U	1.0 U	1.0 U
Isopropylbenzene	98-82-8	5	ug/l	1.0 U	1.0 U	1.0 U	26	**860**	**280 [270]**	1.0 U	1.0 U	1.0 U
Methyl Acetate	79-20-9	- -	ug/l	2.5 U	2.5 U	2.5 U	13 U	500 U	50 U [250 U]	2.5 U	2.5 U	2.5 U
Methyl N-Butyl Ketone (2-Hexanone)	591-78-6	50	ug/l	5.0 U	5.0 U	5.0 U	25 U	1000 U	100 U [500 U]	5.0 U	5.0 U	5.0 U
Methylcyclohexane	108-87-2	- -	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Methyl-tert-butylether	1634-04-4	10	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
n-Propylbenzene	103-65-1	5	ug/l	1.0 U	1.0 U	1.0 U	14	**1000**	**210 [210]**	1.0 U	1.0 U	1.0 U
Styrene (Monomer)	100-42-5	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 UJ	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Tetrachloroethene	127-18-4	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Toluene	108-88-3	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Total Xylenes	1330-20-7	5	ug/l	2.0 U	2.0 U	2.0 U	**450**	**9300**	**4400 D [4000]**	2.0 U	2.0 U	0.85 J
trans-1,2-Dichloroethene	156-60-5	5	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Trichloroethene	79-01-6	5	ug/l	1.0 U	1.0 U	**7.2**	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U
Vinyl chloride	75-01-4	2	ug/l	1.0 U	1.0 U	1.0 U	5.0 U	200 U	20 U [100 U]	1.0 U	1.0 U	1.0 U

Table 1
2022 Groundwater Analytical Summary
2022 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Notes:

1. Samples were collected by Arcadis of New York, Inc. and submitted to Eurofins Environmental Testing for analysis.
2. Field duplicate sample results are presented in brackets.
3. Gray shading and bolded text indicates detection exceeding the NYS Ambient Water Quality Standards and Guidance Values, defined in TOGS 1.1.1

Data Qualifiers:

J - Indicates an estimated value.

U - The analyte was not detected. The associated value is the analyte quantitation limit.

UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

UB - Compound is considered non-detect at the listed value due to associated blank contamination.

D - Concentration is based on a diluted sample analysis.

Figures

0 300' 600'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

SITE LOCATION MAP

ARCADIS

FIGURE
1

C:\Users\jposenauer\DC\ACCDocs\Arcadis ACC USA\US-99999999-GE_RIVERVIEW_ROTTERDAM_NY\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GEN-F01-AERIAL SITE LOCATION.dwg LAYOUT: 1 SAVED: 7/2/2024 11:27 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: C-LB-PDF
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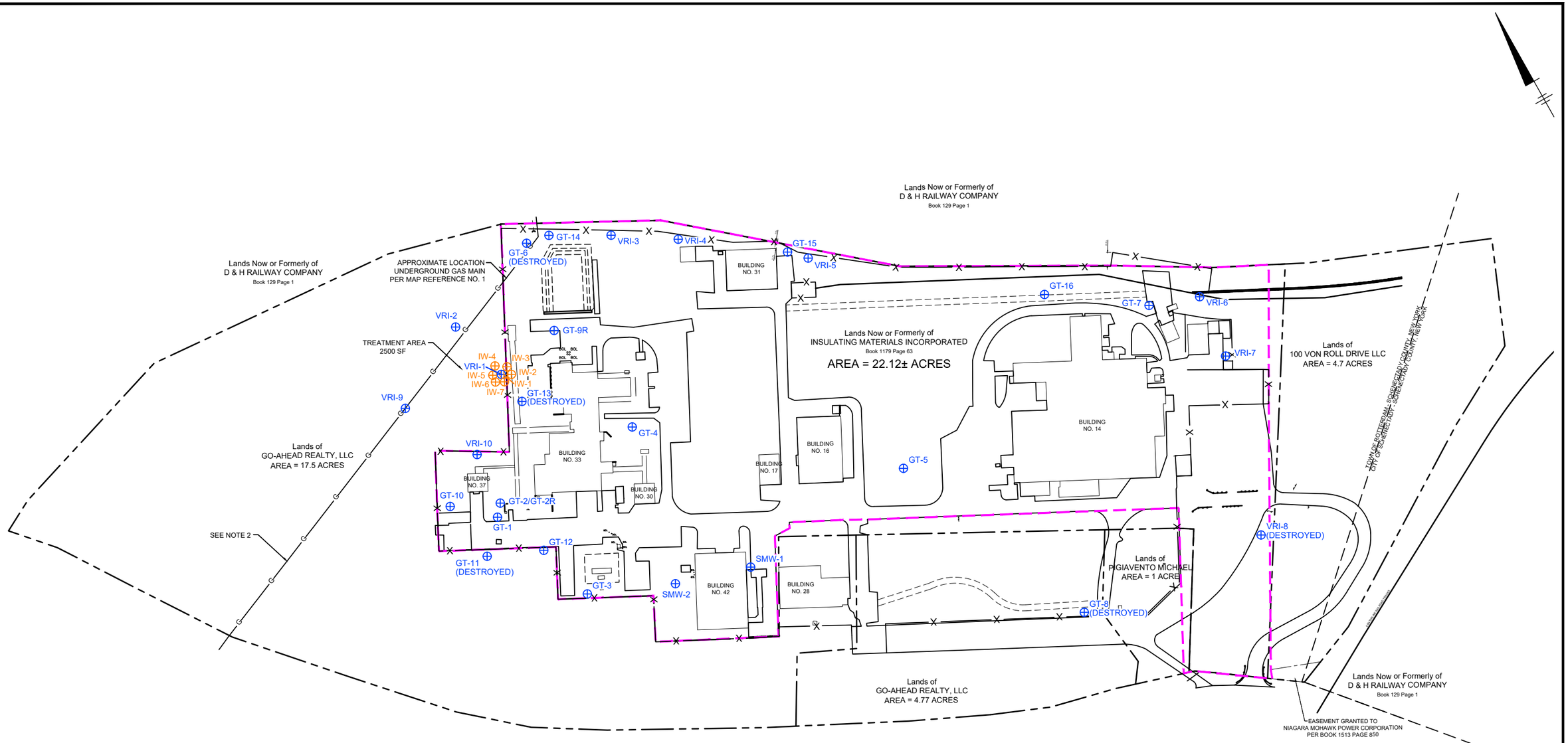
IMAGES:
GEP_20150715.jpg



NOTES:

1. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
2. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.

LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- BUILDING
- GAS
- GROUNDWATER MONITORING WELL
- ISCO INJECTION WELL

0 200' 400'

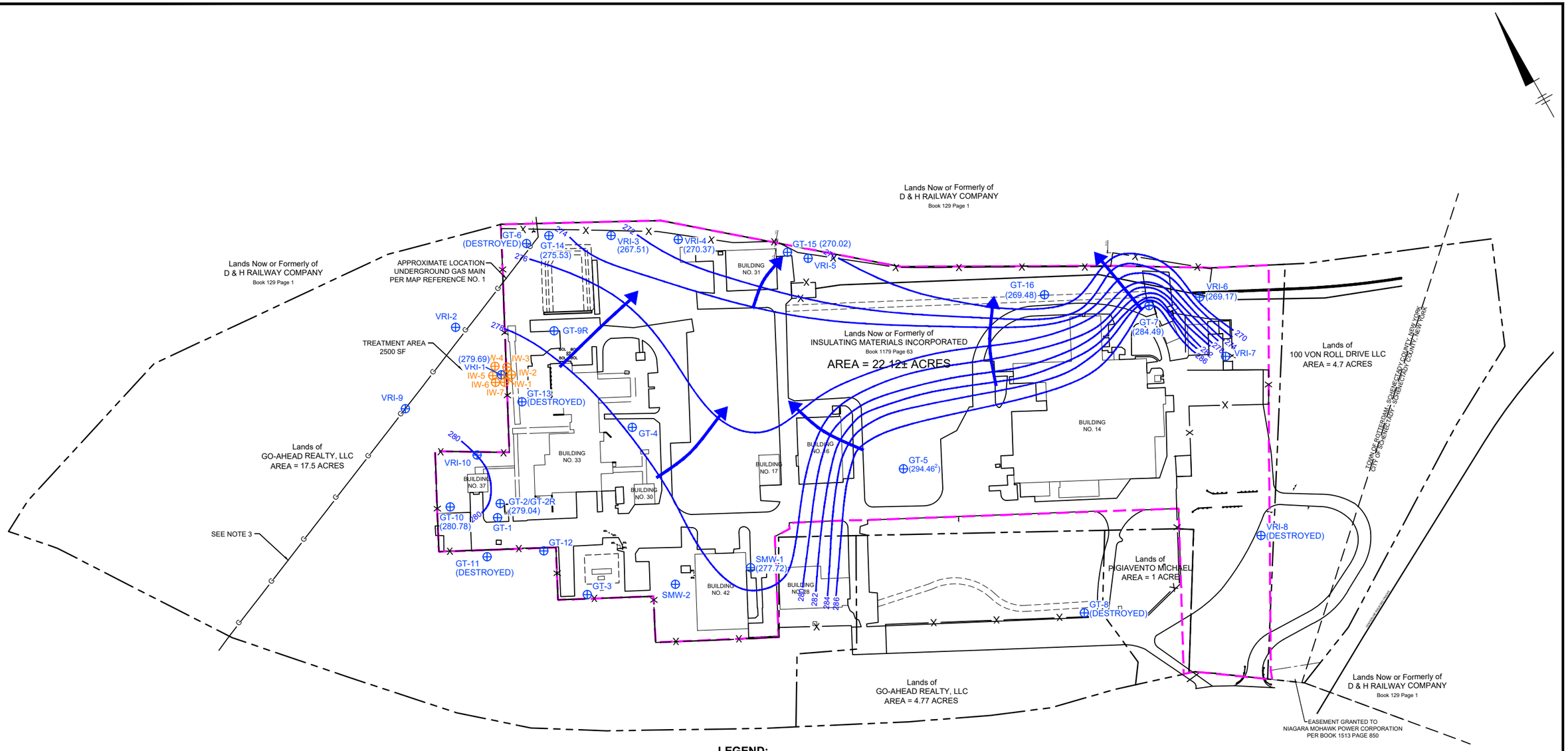
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

SITE PLAN

ARCADIS

FIGURE
2



LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- X — CHAIN LINK FENCE
- BUILDING
- G — GAS
- ⊕ GROUNDWATER MONITORING WELL
- ⊕ ISCO INJECTION WELL
- (279.49) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT, AMSL)
- POTENTIOMETRIC SURFACE CONTOUR (FT, AMSL)
- GROUNDWATER FLOW DIRECTION

0 200' 400'

GRAPHIC SCALE

NOTES:

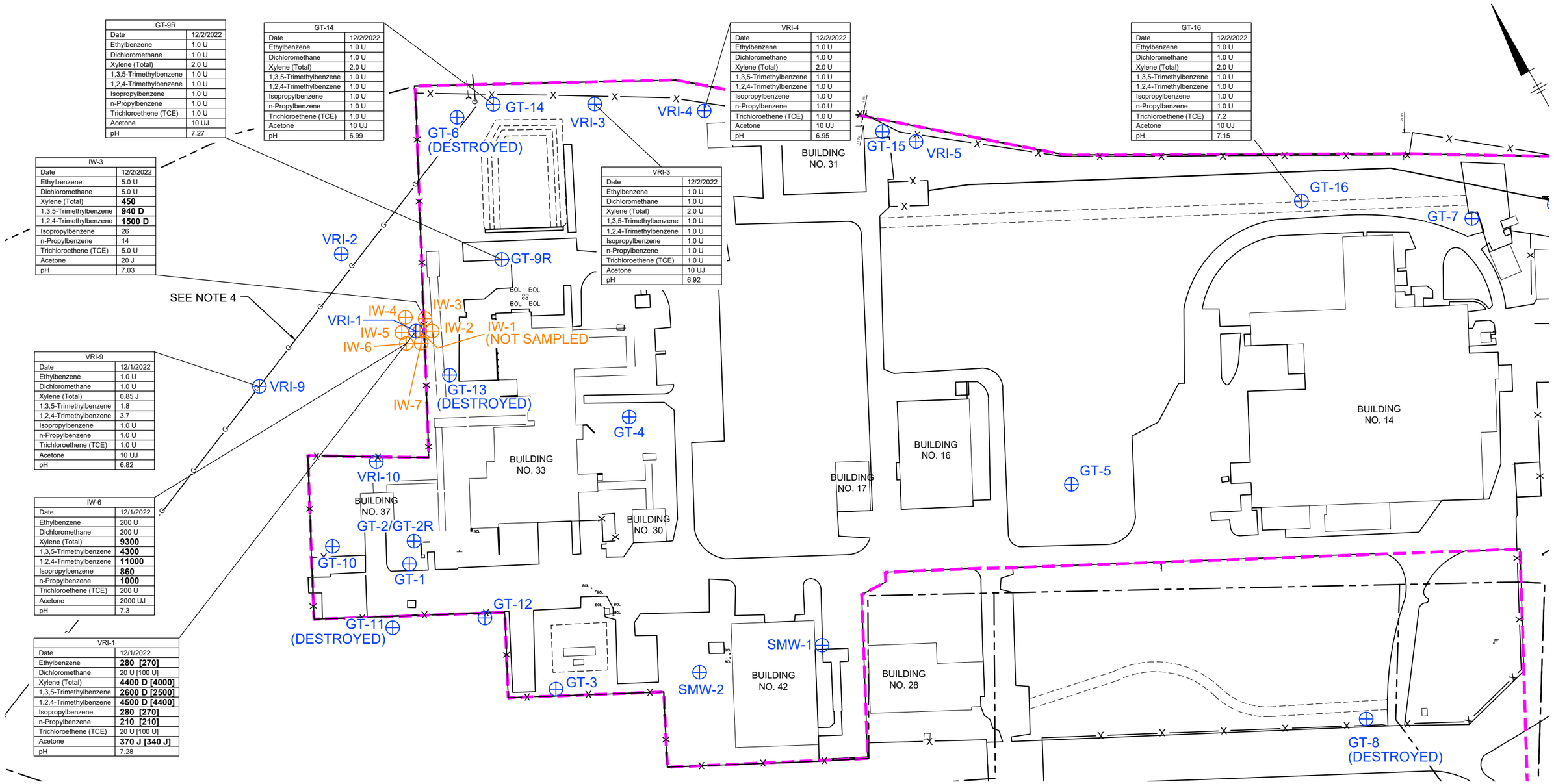
1. ALL PROPERTY BOUNDARIES SHOWN ARE APPROXIMATE.
2. THE GROUNDWATER ELEVATION MEASURED AT GT-5 ON DECEMBER 1, 2022 IS APPROXIMATELY 11 FEET HIGHER THAN THE ELEVATION HISTORICALLY OBSERVED AT THIS LOCATION. THE ELEVATION IS NOT INTERPRETED IN THE CONTOURING DUE TO POTENTIAL MEASUREMENT ERROR.
3. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

OVERBURDEN POTENTIOMETRIC SURFACE ELEVATION CONTOURS DECEMBER 1, 2022

ARCADIS

FIGURE 3



LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- BUILDING
- GAS
- GROUNDWATER MONITORING WELL
- ISCO INJECTION WELL

NOTES:

1. IN THE ANALYTICAL RESULTS, BOLD FONT INDICATES THAT THE DETECTED CONCENTRATION EXCEEDS THE APPLICABLE NYSDEC SCREENING CRITERIA (SEE TABLE AT RIGHT). "U" INDICATES THAT THE COMPOUND WAS NOT DETECTED. "B" INDICATES THAT THE COMPOUND HAS BEEN FOUND IN THE SAMPLE AS WELL AS ITS ASSOCIATED BLANK, ITS PRESENCE IN THE SAMPLE MAY BE SUSPECT. "D" INDICATES THAT CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS. "J" INDICATES THAT THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
2. ONLY ANALYTICAL RESULTS FROM THE 2022 ANNUAL SAMPLING EVENT ARE SHOWN ON THIS FIGURE. SEE FIGURE 5 FOR HISTORICAL SAMPLING RESULTS.
3. NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AS DEFINED IN THE DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1.
4. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.

COMPOUND	UNITS	NYSDEC CRITERIA (SEE NOTE 3)
Ethylbenzene	ug/L	5
Dichloromethane	ug/L	5
Xylene (total)	ug/L	5
1,3,5-Trimethylbenzene	ug/L	5
1,2,4-Trimethylbenzene	ug/L	5
Isopropylbenzene	ug/L	5
n-Propylbenzene	ug/L	5
Trichloroethene (TCE)	ug/L	5
Acetone	ug/L	50

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

2022 GROUNDWATER SAMPLING ANALYTICAL RESULTS - SELECT VOCs

ARCADIS

FIGURE 4

VRI-2

Date	8/14/2014	12/22/2014	8/20/2015	8/20/2015	2/16/2016	8/15/2016	5/10/2017	5/31/2018	5/2/2019
Ethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Dichloromethane	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Xylene (total)	3.0U	3.0U	3.0U	3.0U	3.0U	3.0U	2.0U	2.0U	2.0U
1,3,5-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
1,2,4-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
Isopropylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
n-Propylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U
pH	7.56	7.94	7.53	7.53	7.47	6.79	7.21	7.29	7.09

VRI-3

Date	9/30/2009	10/12/2011	12/5/2011	2/22/2016	8/17/2016	5/10/2017	5/31/2018	5/2/2019	10/20/2020	9/1/2021	12/2/2022
Ethylbenzene				1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Dichloromethane				1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Xylene (total)				3.0U	3.0U	2.0U	2.0U	2.0U	2.0U	4.0U	2.0 U
1,3,5-Trimethylbenzene	**11**	-	-	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
1,2,4-Trimethylbenzene	**15**	-	-	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Isopropylbenzene	**84**	**6**	**6.5**	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
n-Propylbenzene	**13**	-	-	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Acetone					5.0UJ	3.0U	10U	10U	10U	20U	10 UJ
pH				7.25	6.77	6.89	7.17	7.02	6.86	7.51	6.92

VRI-4

Date	2/19/2016	8/17/2016	5/10/2017	10/20/2020	9/1/2021	12/2/2022
Ethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0 U
Dichloromethane	1.0U	1.0U	1.0U	1.0U	1.0U	1.0 U
Xylene (total)	3.0U	3.0U	2.0U	2.0U	2.0U	2.0 U
1,3,5-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0 U
1,2,4-Trimethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0 U
Isopropylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0 U
n-Propylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0 U
Acetone		2.0J	3.7J	10U	10U	10 UJ
pH	7.58	7.41	7.71	6.86	7.27	6.95

GT-15

Date	12/6/2011	2/19/2016	8/17/2016	5/10/2017	5/31/2018	5/3/2019
Ethylbenzene		1.0U	1.0U	1.0U	1.0U	1.0U
Dichloromethane		1.0U	1.0U	1.0U	1.0U	1.0U
Xylene (total)		3.0U	3.0U	2.3	2.0U	2.0UF1
1,3,5-Trimethylbenzene		1.0U	1.0U	1.7	1.0U	1.0U
1,2,4-Trimethylbenzene		1.0U	1.0U	2.3	1.0U	1.0U
Isopropylbenzene		1.0U	1.0U	1.0U	1.0U	1.0U
n-Propylbenzene		1.0U	1.0U	1.0U	1.0U	1.0U
Trichloroethene (TCE)	-	2.2	4.0	3.5	1.0U	3.4F1
pH		7.6	7.52	9.49	8.1	7.23

VRI-9

Date	10/12/2011	12/7/2011	2/17/2016	8/15/2016	5/10/2017	6/1/2018	5/3/2019	10/19/2020	9/1/2021	12/1/2022
Ethylbenzene			1.0U	1.0U	1.0UJ	2.0U	1.0U	2.0U	2.0U	1.0 U
Dichloromethane			1.0U	1.0U	1.0UJ	2.0U	1.0U	2.0U	3.3UB	1.0 U
Xylene (total)			3.0U	3.0U	3.1J	4.0U	**11**	4.0U	4.0U	0.85 J
1,3,5-Trimethylbenzene			1.0U	1.0U	2.5J	2.0U	**7.7**	2.0U	2.0U	1.8
1,2,4-Trimethylbenzene			1.0U	1.0U	3.5J	2.0U	**18**	2.0U	2.0U	3.7
Isopropylbenzene			1.0U	1.0U	1.0UJ	2.0U	1.0	2.0U	2.0U	1.0 U
n-Propylbenzene			1.0U	1.0U	1.0UJ	2.0U	1.5	2.0U	2.0U	1.0 U
Chloroform	**8.3**	-	1.0U	1.0U	1.0UJ	2.0U	1.0U	2.0U	2.0U	1.0 U
Acetone				5.0UJ	5.7J	20U	10U	20U	20U	10 UJ
pH			7.34	6.83	6.78	7.29	6.14	7.23	6.78	6.82

GT-14

Date	2/22/2016	8/17/2016	5/10/2017	5/31/2018	5/2/2019	10/20/2020	9/1/2021	12/2/2022
Ethylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Dichloromethane	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Xylene (total)	3.0U	3.0U	1.6J	2.0U	1.0U	2.0U	4.0U	2.0 U
1,3,5-Trimethylbenzene	1.0U	1.0U	1.6	1.0U	1.0U	1.0U	2.0U	1.0 U
1,2,4-Trimethylbenzene	1.0U	1.0U	2.1	1.0U	1.0U	1.0U	2.0U	1.0 U
Isopropylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
n-Propylbenzene	1.0U	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Acetone		1.0J	10U	3.0U	10U	10U	20U	10 UJ
pH	7.41	7.06	9.12	7.35	7.06	7.1	7.11	6.99

GT-9R

Date	10/16/2001	4/2/2002	12/9/2011	12/22/2014	8/20/2015	2/16/2016	8/17/2016	5/10/2017	6/1/2018	5/3/2019	10/20/2020	8/31/2021	12/2/2022
Ethylbenzene	-	-	-	1.0U	1.0U	1.0U	1.0U	1.0U	4.0U [4.0U]	4.0U	2.0U	1.0U	1.0 U
Dichloromethane	-	**8.4**	-	1.0U	1.0U	1.0U	1.0U	1.0U	4.0U [4.0U]	4.0U	2.0U	1.0U	1.0 U
Xylene (total)	**8.2**	**96**	-	3.0U	3.0U	3.0U	3.0U	2.0U	**180 [200]**	**8.8**	4.0U	**15**	2.0 U
1,3,5-Trimethylbenzene	NS	**230**	-	1.0U	1.0U	1.0U	1.0U	1.0U	**180J [190]**	**8.8**	2.0U	**17**	1.0 U
1,2,4-Trimethylbenzene	NS	**380J**	-	1.0U	1.0U	1.0U	1.0U	1.0U	**180J [190]**	**8.3**	2.0U	**15**	1.0 U
Isopropylbenzene	NS	**69**	-	1.0U	1.0U	1.0U	1.0U	1.0U	**63 [69]**	4.0U	2.0U	2.5	1.0 U
n-Propylbenzene	NS	**62**	-	1.0U	1.0U	1.0U	1.0U	1.0U	**23 [23]**	4.0U	2.0U	2.0	1.0 U
Acetone							5.0UJ	3.1J	48 [48]	40U	20U	10U	10 UJ
pH				7.59	7.36	7.12	6.75	8.48	9.91	6.83	6.79	8.09	7.27

GT-7

Date	10/18/2001	12/5/2011	2/17/2016	8/17/2016	5/11/2017	6/1/2018	5/3/2019
Ethylbenzene	**82**	-	1.0U	1.0U	1.0U	1.0U	1.0U
Dichloromethane			1.0U	1.0U	1.0U	1.0U	1.0U
Xylene (total)	**350**	-	3.0U	3.0U	2.0U	2.0U	2.0U
1,3,5-Trimethylbenzene			1.0U	1.0U	1.0U	1.0U	1.0U
1,2,4-Trimethylbenzene			1.0U	1.0U	1.0U	1.0U	1.0U
Isopropylbenzene			1.0U	1.0U	1.0U	1.0U	1.0U
n-Propylbenzene			1.0U	1.0U	1.0U	1.0U	0.46J
Acetone				5.0UJ	3.1J	10U	10U
pH			7.4	7.21	7.54	8.1	7.49

GT-16

Date	4/4/2002	10/1/2009	10/11/2011	12/5/2011	2/22/16*	8/17/2016	5/11/2017	6/1/2018	5/3/2019	10/20/2020	9/1/2021	12/2/2022
Ethylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Dichloromethane					NS	1.0U	1.0U	1.0U	1.0U	3.0UB	1.0 U	
Xylene (total)					NS	3.0U	2.0U	2.0U	2.0U	2.0U	4.0U	2.0 U
1,3,5-Trimethylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
1,2,4-Trimethylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Isopropylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
n-Propylbenzene					NS	1.0U	1.0U	1.0U	1.0U	1.0U	2.0U	1.0 U
Trichloroethene (TCE)	**13**	**14**	**8.7**	**6**	NS	**7**	**12**	**10**	3.8	**13**	**18**	**7.2**
Chloroform					NS	2.0	3.0	3.3	2.7	1.0	1.0J	0.91 J
Acetone					NS	5.0UJ	3.2J	3.1J	10U	10U	20U	10 UJ
pH					NS	7.43	7.2	7.33	6.95	6.92	6.97	7.15

IW-3

Date	12/18/2014	8/20/2015	2/17/2016	2/17/2016	8/16/2016	5/9/2017	6/1/2018	5/1/2019	10/19/2020	9/1/2021	12/2/2022
Ethylbenzene	20U	20U	20U	20U	3.0	100UJ [100UJ]	40U	4.0U	2.0U	2.0U	5.0 U
Dichloromethane	20U	20U	20U	20U	1.0U	100UBJ [100UBJ]	40U	2.0J	2.0U	5.3UB	5.0 U
Xylene (total)	**672**	**842**	**1710**	**1810**	**1100D**	**1600J [1600J]**	**750**	**100**	**9.4**	**14**	**450**
1,3,5-Trimethylbenzene	**1700**	**1600**	**3300**	**3400**	**1700D**	**2400J [2300J]**	**2100**	**280**	**67**	**360D**	**940 D**
1,2,4-Trimethylbenzene	**1600**	**1600**	**3100**	**3300**	**1600D**	**3500J [3500J]**	**2200**	**250**	**25**	**23**	**1500 D**
Isopropylbenzene	**110**	**55**	**170**	**170**	**110**	**160J [150J]**	**70**	**12**	**8.4**	**48**	26
n-Propylbenzene	**92**	**54**	**170**	**170**	**93**	**160J [150J]**	**7200**	**15**	**7.7**	**60**	14
2-Butanone					2.0J	1000UJ [1000UJ]	400U	40U	20U	20U	5.0 U
Acetone					44	1000UJ [1000UJ]	400U	40U	20U	11J	20 J
pH	8.51	9.59	9.2	9.2	11.3	10.49	9.9	8.97	7.47	7.19	7.03

IW-4

Date	12/18/2014	12/18/2014	8/20/2015	2/17/2016	8/16/2016	5/9/2017	6/1/2018	5/2/2019
Ethylbenzene	50U	50U	5.0U	5.0U	1.0U	50U	40U	10U
Dichloromethane	50U	50U	5.0U	5.0U	1.0U	50UB	40U	10U
Xylene (total)	**1850**	**1840**	**74**	**200**	3.0U	**190**	**540**	**55**
1,3,5-Trimethylbenzene	**3600**	**3400**	**560**	**720**	**11**	**1600J**	**2800**	**330**
1,2,4-Trimethylbenzene	**6400**	**6300**	**47**	**640**	1.0	**930**	**4000**	**460**
Isopropylbenzene	**380**	**380**	5.0U	**6.5**	1.0U	**300**	**280**	**24**
n-Propylbenzene	**400**	**400**	5.0U	5.0U	1.0U	**300**	**310**	**28**
Acetone					4.0J	500UJ	400U	100U
pH	10	10	6.67	11.1	9.17	11.26	7.43	7.05

IW-5

Date	12/18/2014	8/21/2015	2/18/2016	8/16/2016	5/9/2017	6/1/2018	5/2/2019
Ethylbenzene	100U	50U	50U	2	25U	20U	20U
Dichloromethane	100U	50U	50U	1.0U	25U	20U	20U
Xylene (total)	**3510**	**4260**	**2980**	**1700D**	**790**	**350**	**200**
1,3,5-Trimethylbenzene	**4100**	**3400**	**4400**	**2800D**	**1300**	**560**	**490**
1,2,4-Trimethylbenzene	**8600**	**6500**	**8800**	**5000D**	**1500**	**770**	**580**
Isopropylbenzene	**420**	**300**	**520**	**160**	**120**	**50**	**18J**
n-Propylbenzene	**520**	**300**	**580**	**110**	**86**	**53**	**17J**
Acetone				10J	250U	200U	200U
pH	13.25	4.81	12.07	10.1	9.64	7.6	7.05

IW-6

Date	12/22/2014	8/21/2015	2/19/2016	8/16/2016	5/9/2017	6/1/2018	5/1/2019	10/19/2020	9/1/2021	12/1/2022
Ethylbenzene	**10**	10U	10U	2.0 [2.0]	50U	40U	**37J**	200U	200U	200 U
Dichloromethane	10U	10U	10U	1.0U [1.0U]	50UB	40U	40U	200U	260UB	200 U
Xylene (total)	**1160**	**504**	**295**	**380 [390]**	**2000**	**710**	**6600**	**8500J**	**3200**	**9300**
1,3,5-Trimethylbenzene	**860**	**500**	**380**	**260D [340D]**	**1200**	**1800**	**4000**	**4600**	**2200**	**4300**
1,2,4-Trimethylbenzene	**1600**	**720**	**300**	**280D [370D]**	**2000**	**1600**	**7200**	**12000**	**4500**	**11000**
Isopropylbenzene	**110**	**81**	**94**	**21 [22]**	**250**	**220**	**510**	**840**	**280**	**860**
n-Propylbenzene	**120**	**90**	**120**	**21 [21]**	**310**	**290**	**540**	**910**	**290**	**1000**
Acetone				3.0J [3.0J]	500U	400U	400U	2000U	2000U	2000 UJ
pH	11.8	4.26	9.95	7.96	9.32	7.48	7.9	7.12	2.64	7.3

IW-1

Date	8/14/2014	12/22/2014	8/20/2015	2/18/2016	8/16/2016	5/9/2017	5/31/2018
Ethylbenzene	50U	50U	5.0U	1.0U	1.0U	20U	10U
Dichloromethane	50U	50U	5.0U	1.0U	1.0U	20U	10U
Xylene (total)	**2560**	**470**	**343**	**43.5**	**97**	**530**	**130**
1,3,5-Trimethylbenzene	**3100**	**620**	**220**	**24**	**87**	**620**	**250**
1,2,4-Trimethylbenzene	**5600**	**980**	**500**	**61**	**150**	**1200**	**480**
Isopropylbenzene	**270**	**85**	**42**	4.1	4.0	**36**	**17**
n-Propylbenzene	**230**	**93**	**49**	**5.9**	4.0	**39**	**20**
pH	7.12	12.93	8.5	8.31	7.36	7.19	7.16

IW-2

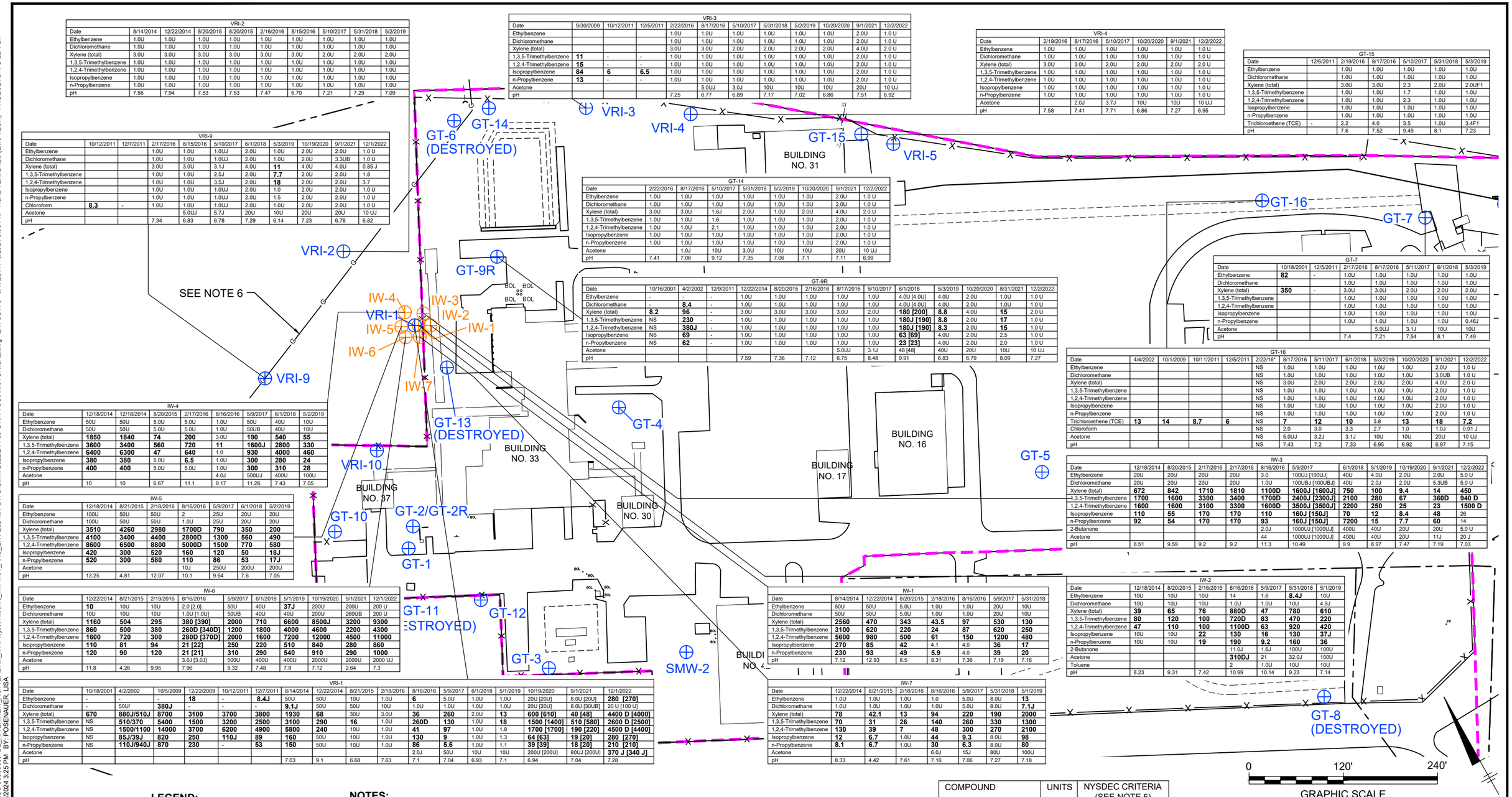
Date	12/18/2014	8/20/2015	2/16/2016	8/16/2016	5/9/2017	5/31/2018	5/1/2019
Ethylbenzene	10U	10U	10U	14	1.6	**8.4J**	10U
Dichloromethane	10U	10U	10U	1.0U	1.0U	10U	4.9J
Xylene (total)	**39**	**65**	**76**	**880D**	**47**	**780**	**610**
1,3,5-Trimethylbenzene	**80**	**120**	**100**	**720D**	**83**	**470**	**220**
1,2,4-Trimethylbenzene	**47**	**110**	**100**	**1100D**	**63**	**920**	**420**
Isopropylbenzene	10U	10U	**22**	**130**	**16**	**130**	**37J**
n-Propylbenzene	10U	10U	**19**	**190**	**9.2**	**160**	**36**
2-Butanone				11.0J	1.6J	100U	100U
Acetone				**310DJ**	21	32.0J	100U
Toluene				2	1.0U	10U	10U
pH	8.23	9.31	7.42	10.99	10.14	9.23	7.14

VRI-1

Date	10/18/2001	4/2/2002	10/5/2009	12/22/2009	10/12/2011	12/7/2011	8/14/2014	12/22/2014	8/21/2015	2/18/2016	8/16/2016	5/9/2017	6/1/2018	5/1/2019	10/19/2020	9/1/2021	12/1/2022
Ethylbenzene	-	-	-	**18**	-	**8.4J**	50U	50U	10U	1.0U	**6**	5.0U	1.0U	1.0U	20U [20U]	8.0U [20U]	**280 [270]**
Dichloromethane	-	50U/	**380J**	-	-	-	**9.1J**	50U	50U	10U	1.0U	1.0U	1.0U	1.0U	20U [20U]	8.0U [30UB]	20 U [100 U]
Xylene (total)	**670**	**880J/510J**	**8700**	**3100**	**3700**	**3800**	**1930**	**68**	30U	3.0U	**36**	**260**	2.0U	**13**	**600 [610]**	**40 [48]**	**4400 D [4000]**
1,3,5-Trimethylbenzene	NS	**510/370**	**5400**	**1500**	**3200**	**2500**	**3100**	**290**	**16**	1.0U	**260D**	**130**	1.0U	**18**	**1500 [1400]**	**510 [580]**	**2600 D [2500]**
1,2,4-Trimethylbenzene	NS	**1500/1100**	**14000**	**3700**	**6200**	**4900**	**5800**	**240**	10U	1.0U	**41**	**97**	1.0U	1.8	**1700 [1700]**	**190 [220]**	**4500 D [4400]**
Isopropylbenzene	NS	**85J/39J**	**820**	**250**	**110J**	**89**	**160**	50U	10U	1.0U	**130**	**9**	1.0U	1.3	**64 [63]**	**19 [20]**	**280 [270]**
n-Propylbenzene	NS	**110J/940J**	**870**	**230**	-	**53**	**150**	50U	10U	1.0U	**86**	**5.6**	1.0U	1.1	**39 [39]**	**18 [20]**	**210 [210]**
Acetone											2.0J	50U	10U	10U	200U [200U]	80UJ [200U]	**370 J [340 J]**
pH							7.03	9.1	6.68	7.63	7.1	7.04	6.93	7.1	6.94	7.04	7.28

IW-7

Date	12/22/2014	8/21/2015	2/18/2016	8/16/2016	5/9/2017	5/31/2018	5/1/2019
Ethylbenzene	1.0U	1.0U	1.0U	1.0	5.0U	8.0U	**13**
Dichloromethane	1.0U	1.0U	1.0U	1.0U	5.0U	8.0U	**7.1J**
Xylene (total)	**78**	**42.1**	**13**	**94**	**220**	**190**	**2000**
1,3,5-Trimethylbenzene	**70**	**31**	**26**	**140**	**260**	**330**	**1300**
1,2,4-Trimethylbenzene	**130**	**39**	**7**	**48**	**300**	**270**	**2100**
Isopropylbenzene	**12**	**6.7**	1.0U	**44**	**9.3**	8.0U	**98**
n-Propylbenzene	**8.1**	**6.7**	1.0U	**30**	**6.3**	8.0U	**80**
Acetone				6.0J	15J	80U	100U
pH	8.33	4.42	7.61	7.16	7.06	7.27	7.18



LEGEND:

- APPROXIMATE VON ROLL ISOLA USA, INC. PROPERTY BOUNDARY
- PROPERTY BOUNDARY LINE
- CHAIN LINK FENCE
- BUILDING
- GAS
- GROUNDWATER MONITORING WELL
- ISCO INJECTION WELL

NOTES:

1. HISTORICAL RESULTS ARE TAKEN FROM FIGURE 2.2 BY CONESTOGA-ROVERS & ASSOCIATES. ONLY RESULTS FROM SAMPLING EVENTS WITH DETECTIONS AND/OR THE MOST RECENT HISTORICAL SAMPLING EVENT ARE SHOWN.
2. FROM THE HISTORICAL RESULTS, "-" IS ASSUMED TO INDICATE NO DETECTIONS. BLANKS ARE ASSUMED TO INDICATE THAT THE SAMPLE WAS NOT ANALYZED FOR THOSE COMPOUNDS. "NS" IS ASSUMED TO INDICATE THAT NO SAMPLE WAS COLLECTED. PROVIDED DATES ARE DATE SAMPLED.
3. *GT-16 WAS INACCESSIBLE DUE TO A WELL OBSTRUCTION AND NOT SAMPLED DURING THE FEBRUARY 2016 SAMPLING EVENT.
4. IN THE ANALYTICAL RESULTS, BOLD FONT INDICATES THAT THE DETECTED CONCENTRATION EXCEEDS THE APPLICABLE NYSDEC SCREENING CRITERIA (SEE TABLE AT RIGHT). "U" INDICATES THAT THE COMPOUND WAS NOT DETECTED. "B" INDICATES THAT THE COMPOUND HAS BEEN FOUND IN THE SAMPLE AS WELL AS ITS ASSOCIATED BLANK, ITS PRESENCE IN THE SAMPLE MAY BE SUSPECT. "D" INDICATES THAT CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS. "J" INDICATES THAT THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
5. NEW YORK STATE AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AS DEFINED IN THE DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1.
6. GAS LINE IS BELIEVED TO HAVE BEEN PARTIALLY OR COMPLETELY REMOVED. STATUS CURRENTLY UNCLEAR.

COMPOUND	UNITS	NYSDEC CRITERIA (SEE NOTE 5)
Ethylbenzene	ug/L	5
Dichloromethane	ug/L	5
Xylene (total)	ug/L	5
1,3,5-Trimethylbenzene	ug/L	5
1,2,4-Trimethylbenzene	ug/L	5
Isopropylbenzene	ug/L	5
n-Propylbenzene	ug/L	5
Trichloroethene (TCE)	ug/L	5
Chloroform	ug/L	7
2-Butanone	ug/L	50
Acetone	ug/L	50
Toluene	ug/L	5
pH	ug/L	5

GENERAL ELECTRIC COMPANY
VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE)
ROTTERDAM, NEW YORK

HISTORICAL GROUNDWATER SAMPLING ANALYTICAL RESULTS - SELECT VOCs

ARCADIS

FIGURE 5

Appendix A

Groundwater Sampling Event Field Data Sheets

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Form

Project No. 30006483 | Well ID GT-9R | Date 12/2/22

Project Name/Location GE Riverview/Schenectady NY | Weather 30°F, Cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) — | Casing Diameter (in.) 2 | Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 66.48 | Static Water Level (ft-bmp) 62.09 | Water Column in Well 4.39 | Gallons in Well 0.72

Calc. Gallons Purged 3.168 | Pump Intake (ft-bmp) 64.29 | Purge Method: Centrifugal ___ Submersible ___ | Sample Method lowflow

Gallons Purged 3 | MP Elevation ___ | Disp. Bailer ___ Other Bladder | Pump On/Off 1602/1709

Sample Time: Label 1705 | Replicate/ Code No. — | Sampled by AG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1607	5	200	62.27	0.264	7.08	1.18	168	8.14	12.03	89	lt. Brown	none
1614	10	200	62.45	0.528	7.17	1.22	294	6.92	12.28	101	"	"
1619	15	200	62.48	0.792	7.19	1.22	134	6.92	12.31	106	"	"
1624	20	200	62.48	1.056	7.29	1.32	80.0	6.93	12.39	108	clear	none
1629	25	200	62.51	1.32	7.21	1.23	51.7	6.75	12.42	110	"	"
1634	30	200	62.51	1.584	7.23	1.23	36.1	6.73	12.43	113	"	"
1639	35	200	62.51	1.848	7.25	1.23	23.5	6.72	12.44	116	"	"
1644	40	200	62.51	2.112	7.25	1.24	16.3	6.68	12.43	116	"	"
1649	45	200	62.51	2.376	7.25	1.24	14.8	6.62	12.44	116	"	"
1654	50	200	62.51	2.64	7.26	1.24	9.0	6.57	12.46	120	"	"
1659	55	200	62.51	2.904	7.27	1.24	8.2	6.41	12.46	120	"	"
~~1704~~	60	200	62.51	3.168	7.27	1.24	8.4	6.30	12.46	119	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40 mL	3	HCl

Well Information

Well Location: Asphalt Not Building 33 | Well Locked at Arrival: (Yes) / No

Condition of Well: Good | Well Locked at Departure: (Yes) / No

Well Completion: (Flush Mount) / Stick Up | Key Number To Well: —

NOTES:

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Page 1 of 1

Groundwater Sampling Form

Project No. 30006483 | Well ID GT-14 | Date 12/2/22

Project Name/Location GE Riverview, Schenectady, NY | Weather 34°F, cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) — | Casing Diameter (in.) 2 | Well Material X PVC / SS / Other

Total Depth (ft-bmp) AG 72.87 | Static Water Level (ft-bmp) 64.43 | Water Column in Well 8.44 | Gallons in Well 1.38

Calc. Gallons Purged 2,376 | Pump Intake (ft-bmp) 68.65 | Purge Method: | Sample Method low flow

Gallons Purged 2.5 | MP Elevation — | Centrifugal / Submersible Bladder | Pump On/Off 1050/1140

Sample Time: Label 1136 | Replicate/ Code No. — | Disp. Bailer / Other | Sampled by AG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1055	5	200	64.43	0.264	7.16	0.929	14.7	6.25	9.93	-18	clear	none
1100	10	200	64.53	0.528	7.15	0.923	13.1	5.77	10.11	2	"	"
1105	15	200	64.53	0.792	7.06	0.920	11.4	5.76	10.14	35	"	"
1110	20	200	64.53	1.056	7.02	0.919	9.2	5.75	10.14	38	"	"
1115	25	200	64.53	1.32	7.00	0.920	7.6	5.80	10.12	48	"	"
1120	30	200	64.56	1.584	7.03	0.927	4.6	5.93	10.13	57	"	"
1125	35	200	64.56	1.848	7.00	0.920	0.0	6.00	10.15	64	"	"
1130	40	200	64.56	2.112	6.99	0.916	0.0	6.03	10.18	72	"	"
1135	45	200	64.56	2.376	6.99	0.916	0.0	6.08	10.19	74	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL	3	HCl

Well Information

Well Location:	North corner of site, ingrass	Well Locked at Arrival:	(Yes) / No
Condition of Well:	Good	Well Locked at Departure:	(Yes) / No
Well Completion:	(Flush Mount) / Stick Up	Key Number To Well:	—

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

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Groundwater Sampling Form

Project No. 30006483 | Well ID GT-16 | Date 12/2/22

Project Name/Location GE Riverview/Schenectady, NY | Weather 34°F, Cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) — | Casing Diameter (in.) 2 | Well Material X PVC / SS / Other

Total Depth (ft-bmp) 76.80 | Static Water Level (ft-bmp) 69.18 | Water Column in Well 7.62 | Gallons in Well 1.24

Calc. Gallons Purged 2.904 | Pump Intake (ft-bmp) 72.99 | Purge Method: | Sample Method low flow

Gallons Purged 3 | MP Elevation — | Centrifugal / Submersible | Pump On/Off 1358/1458

Sample Time: Label 1455 | Replicate/ Code No. — | Disp. Bailer / Other Bladder | Sampled by AC

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1403	5	200	69.25	0.444	7.05	0.631	87.5	3.24	11.21	68	H Brown	none
1408	10	200	69.31	0.828	7.24	0.601	176	2.51	11.38	71	"	"
1413	15	200	69.53	1.212	7.23	0.591	235	1.89	11.49	79	"	"
1418	20	200	69.50	1.056	7.14	0.681	193	1.32	11.84	81	"	"
1423	25	200	69.50	1.32	7.00	0.780	156	0.90	12.02	83	"	"
1428	30	200	69.50	1.584	7.03	0.871	146	0.84	12.14	75	"	"
1433	35	200	69.50	1.848	7.08	0.980	121	0.61	11.99	49	"	"
1438	40	200	69.50	2.112	7.11	0.998	104	0.39	11.38	31	"	"
1444	45	200	69.50	2.376	7.14	1.06	97.3	0.28	11.42	22	"	"
1449	50	200	69.50	2.64	7.15	1.07	96.1	0.23	11.28	19	"	"
1454	55	200	69.50	2.904	7.15	1.07	93.8	0.24	11.25	18	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40 mL	3	HCl

Well Information

Well Location: E end of site in grass near dirt road | Well Locked at Arrival: (Yes) / No

Condition of Well: Good | Well Locked at Departure: (Yes) / No

Well Completion: (Flush Mount) / Stick Up | Key Number To Well: ~

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Form

Project No. 30006463 | Well ID IW-3 | Date 12/2/22

Project Name/Location GE Riverview/Schenectady, NY | Weather 34°F, cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) – | Casing Diameter (in.) 2 | Well Material X PVC / SS / Other

Total Depth (ft-bmp) 71.00 | Static Water Level (ft-bmp) 63.17 | Water Column in Well 7.83 | Gallons in Well 1.28

Calc. Gallons Purged 1.564 | Pump Intake (ft-bmp) 67.09 | Purge Method: Centrifugal / Submersible Bladder / Disp. Bailer / Other | Sample Method low flow

Gallons Purged 1.5 | MP Elevation – | Pump On/Off 0951/1030

Sample Time: Label 1022 | Replicate/ Code No. – | Sampled by AG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
0956	5	200	63.56	0.264	7.03	1.52	17.4	0.00	11.54	-75	Clear	Hydr.
1001	10	200	63.66	0.528	7.00	1.53	10.1	0.00	11.63	-78	"	"
1006	15	200	63.78	0.792	6.94	1.54	7.9	0.00	11.71	-81	"	"
1011	20	200	63.94	1.056	6.96	1.55	6.8	0.00	11.73	-91	"	"
1016	25	200	63.95	1.32	6.99	1.55	5.8	0.00	11.70	-96	"	"
1021	30	200	63.96	1.584	7.03	1.55	5.1	0.00	11.66	-98	"	"

Constituents Sampled	Container	Number	Preservative
VOCs	40mL	9	HCl

Well Information

Well Location: along fence part of injection circle | Well Locked at Arrival: Yes / No

Condition of Well: Good | Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up | Key Number To Well:

NOTES: MS/MSD collected here

Well Casing Volumes

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

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Groundwater Sampling Form

Project No. 30006483 | Well ID IW-6 | Date 12/11/22

Project Name/Location GE Riverview/Schenectady/NY | Weather 32°F, cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) – | Casing Diameter (in.) 2 | Well Material X PVC / SS / Other

Total Depth (ft-bmp) 70.40 | Static Water Level (ft-bmp) 62.79 | Water Column in Well 7.61 | Gallons in Well 1.24

Calc. Gallons Purged 1,848 | Pump Intake (ft-bmp) 66.60 | Purge Method: Centrifugal / Submersible Bladder / Disp. Bailer / Other | Sample Method low flow

Gallons Purged 2. | MP Elevation – | Pump On/Off 1559/1640

Sample Time: Label 1635 | Replicate/ Code No. – | Sampled by AG 1554 1635 AG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1604	5	200	62.89	0.264	7.31	2.32	381	1.73	11.71	81	dark brown	floral
1609	10	200	63.04	0.528	7.28	2.04	351	0.82	11.69	16	"	"
1614	15	200	63.18	0.792	7.27	1.83	334	0.00	11.78	-8	"	"
1619	20	200	63.25	1.056	7.27	1.75	318	0.00	11.71	-15	"	"
1624	25	200	63.47	1.32	7.29	1.72	312	0.00	11.67	-26	dark Brown	floral
1629	30	200	63.79	1.584	7.28	1.73	309	0.00	11.70	-24	"	"
1634	35	200	63.50	1.848	7.30	1.74	308	0.00	11.72	-23	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL	3	HCl

Well Information

Well Location: outside fence in ring of injection wells | Well Locked at Arrival: Yes / No

Condition of Well: Good | Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up | Key Number To Well: –

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

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Groundwater Sampling Form

Project No.	30006483	Well ID	VRI-1	Date	12/1/22
Project Name/Location	GE Riverview/Schenectady, NY			Weather	37°F cloudy
Measuring Pt. Description	TIC	Screen Setting (ft-bmp)	—	Casing Diameter (in.)	2
Well Material	X PVC / SS / Other				
Total Depth (ft-bmp)	64.83	Static Water Level (ft-bmp)	63.39	Water Column in Well	6.44
Gallons in Well	1.05				
Calc. Gallons Purged	3.432	Pump Intake (ft-bmp)	66.61	Purge Method:	Centrifugal / Submersible Bladder / Disp. Bailer / Other ~~Peristaltic~~ AG
Sample Method	low flow				
Gallons Purged	3.5	MP Elevation	—	Pump On/Off	1429/1538
Sample Time: Label	1535	Replicate/Code No.	Dup-12~~2~~22-1 @1AC	Sampled by	AG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (μmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1434	5	200	64.22	0.264	7.11	3.09	27.8	0.00	11.24	-104	clear	floral
1439	10	200	64.28	0.528	7.06	3.09	28.3	0.00	11.31	-112	"	"
1444	15	200	64.43	0.792	7.03	3.05	46.8	0.00	11.57	-123	"	"
1449	20	200	64.64	1.056	7.10	2.91	53.8	0.00	11.70	-133	"	"
1454	25	200	64.64	1.32	7.11	2.87	61.3	0.09	11.70	-134	"	"
1459	30	200	64.64	1.584	7.12	2.85	68.4	0.00	11.71	-135	"	"
1504	35	200	64.68	1.848	7.18	2.63	81.3	0.00	11.73	-138	"	"
1509	40	200	64.72	2.112	7.21	2.56	91.6	0.00	11.74	-141	"	"
1514	45	200	64.77	2.376	7.23	2.48	83.1	0.00	11.71	-143	"	"
1519	50	200	64.81	2.64	7.24	2.42	79.4	0.00	11.69	-144	"	"
1524	55	200	64.84	2.904	7.25	2.31	76.3	0.00	11.67	-147	"	"
1529	60	200	64.88	3.168	7.27	2.28	71.8	0.00	11.70	-148	"	"
1534	65	200	64.91	3.432	7.28	2.27	78.0	0.00	11.74	-151	"	"

Constituents Sampled	Container	Number	Preservative
VOCs	40mL	6	HCl

Well Information

Well Location:	Outside fence	Well Locked at Arrival:	(Yes) / No
Condition of Well:	Good	Well Locked at Departure:	(Yes) / No
Well Completion:	Flush Mount / (Stick Up)	Key Number To Well:	—

NOTES:

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Page 1 of 1

Project No. 30006483 | Well ID VRI-3 | Date 12/2/22

Project Name/Location GE Riverview/Schenectady, NY | Weather ~~12/2/22~~ 34°F

Measuring Pt. Description TIC | Screen Setting (ft-bmp) — | Casing Diameter (in.) 2 | Well Material X PVC / SS / Other

Total Depth (ft-bmp) 77.94 | Static Water Level (ft-bmp) 69.88 | Water Column in Well 8.06 | Gallons in Well 1.31

Calc. Gallons Purged 1.848 | Pump Intake (ft-bmp) 73.81 | Purge Method: | Sample Method lowflow

Gallons Purged 2 | MP Elevation — | Centrifugal / Submersible Bladder / Disp. Bailer / Other

Sample Time: Label 1227 | Replicate/ Code No. — | Pump On/Off 1151/1230

Sampled by AG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1156	5	200	70.63	0.264	6.94	1.00	130	2.34	9.23	73	clear	none
1201	10	200	70.71	0.528	6.93	0.998	92.5	2.07	9.44	75	"	"
1206	15	200	70.82	0.792	6.92	0.997	72.8	1.82	9.68	75	"	"
1211	20	200	71.05	1.056	6.92	0.997	53.2	0.65	9.79	76	"	"
1216	25	200	71.06	1.32	6.92	0.995	43.7	0.29	9.91	76	"	"
1221	30	200	72.18	1.584	6.92	0.997	42.3	0.25	9.95	77	"	"
1226	35	200	72.26	1.848	6.92	0.998	40.1	0.25	9.94	77	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL	3	HCl

Well Information

Well Location: SE of GT14, along fence

Condition of Well: Good

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well: —

NOTES: MS/MSD here

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Form

Project No. 30006493 | Well ID VRI-4 | Date 12/2/22

Project Name/Location GE Riverview/Schenectady, NY | Weather 34°F, cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) — | Casing Diameter (in.) 2 | Well Material X PVC ___ SS ___ Other

Total Depth (ft-bmp) 77.63 | Static Water Level (ft-bmp) 71.92 | Water Column in Well 5.71 | Gallons in Well 0.93

Calc. Gallons Purged 2.12 | Pump Intake (ft-bmp) 74.78 | Purge Method: Centrifugal ___ Submersible Bladder | Sample Method low flow

Gallons Purged 2 | MP Elevation — | Disp. Bailer ___ Other ___ | Pump On/Off 1245/1330

Sample Time: Label 1326 | Replicate/ Code No. — | Sampled by AG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (umhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1250	5	200	72.25	0.264	7.04	2.48	108	1.21	9.83	101	Brown	None
1255	10	200	72.50	0.528	6.98	3.12	>1000	0.00	9.92	90	"	"
1300	15	200	72.50	0.792	6.97	3.18	>1000	0.00	10.21	89	"	"
1305	20	200	72.51	1.056	6.96	3.22	>1000	0.00	10.54	87	"	"
1310	25	200	72.48	1.32	6.97	3.20	>1000	0.00	10.12	87	"	"
1315	30	200	72.48	1.584	6.97	3.18	>1000	0.00	10.07	87	"	"
1320	35	200	72.48	1.848	6.96	3.20	>1000	0.00	10.17	89	"	"
1325	40	200	72.48	2.112	6.95	3.22	>1000	0.00	10.24	90	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40mL	3	HCl

Well Information

Well Location: SE of VRI-3, along fence | Well Locked at Arrival: Yes / No

Condition of Well: Good | Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up | Key Number To Well: —

NOTES:

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Form

Project No. 30006483 | Well ID MRI-9 | Date 12/11/22

Project Name/Location GE Riverview/Schenectady, NY | Weather 37°F partly cloudy

Measuring Pt. Description TIC | Screen Setting (ft-bmp) — | Casing Diameter (in.) 2 | Well Material X PVC, SS, Other

Total Depth (ft-bmp) 69.52 | Static Water Level (ft-bmp) 65.21 | Water Column in Well 4.31 | Gallons in Well 0.70

Calc. Gallons Purged 2.112 | Pump Intake (ft-bmp) 62.37 | Purge Method: Centrifugal, Submersible Bladder, Disp. Bailer, Other | Sample Method low flow

Gallons Purged 2 | MP Elevation — | Pump On/Off 1322 / 1408

Sample Time: Label 1403 | Replicate/ Code No. — | Sampled by AG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1327	5	200	65.34	0.464	6.79	0.497	7800	7.53	9.46	188	brown	none
1332	10	200	65.85	0.928	6.80	1.00	7920	7.30	9.41	199	"	"
1337	15	200	66.35	0.792	6.83	1.02	714	6.88	9.46	213	"	"
1342	20	200	66.71	1.056	6.84	1.03	>800	6.61	9.49	220	"	"
1347	25	200	66.97	1.32	6.85	1.03	>800	6.48	9.50	227	"	"
1352	30	200	67.21	1.584	6.82	1.05	>800	6.20	9.47	229	"	"
1357	35	200	67.33	1.848	6.87	1.05	>800	6.20	9.50	229	"	"
1402	40	200	67.47	2.112	6.82	1.07	>800	6.13	9.44	229	"	"

Constituents Sampled	Container	Number	Preservative
VOCs 8260	40 mL	3	HCl

Well Information

Well Location: Outside fence in clearing

Condition of Well: Good

Well Completion: Flush Mount / (Stick Up)

Well Locked at Arrival: (Yes) / No

Well Locked at Departure: (Yes) / No

Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

ARCADIS

Water Level Measurement Form

Project Name: GE Riverview

Date: 12/1/2022

Project Number: 30006483

Weather: 37 F, Cloudy

Field Personnel: A. Gibson

gallon/foot

2" = 0.16 | 3" = 0.37 | 4" = 0.65

2-½" = 0.26 | 3-½" = 0.50 | 6" = 1.47

Well ID	Time	DTB (ft)	DTW (ft)	Notes
VRI-9	1015	69.52	63.88	
IW-4	1007	71.36	62.89	
IW-5	1004	71.15	62.92	
IW-6	1000	70.4	62.87	
VRI-1	0944	69.83	63.39	
IW-1	0946	69.7	63.20	
IW-7	0949	71.24	63.12	
IW-3	0953	71.00	63.13	
IW-2	0957	71.92	63.40	
VRI-10	0936	72.30	63.80	
GT-10	0934	71.99	64.00	
G2-2R	0930	63.68	63.68	
GT-1	0932	65.48	62.20	
GT-3	0940	67.80	61.38	
SMW-2	0925	71.70	64.98	
SMW-1	0922	70.70	62.76	
GT-5	0904	65.78	49.68	
VRI-7	0918	52.90	49.61	
VRI-6	0916	74.80	73.48	
GT-7	0913	68.08	56.45	

Notes:

ARCADIS

Water Level Measurement Form

Project Name: GE Riverview

Date: 12/1/2022

Project Number: 300006483

Weather: 37 F, Cloudy

Field Personnel: A. Gibson

gallon/foot 2" = 0.16 3" = 0.37 4" = 0.65
2-½" = 0.26 3-½" = 0.50 6" = 1.47

Well ID	Time	DTB (ft)	DTW (ft)	Notes
GT-16	1045	76.80	69.41	
VRI-5	1050	120.24	95.35	
GT-15	1040	77.04	70.46	
GT-9R	1018	66.48	62.27	
VRI-4	1033	77.63	72.27	
VRI-3	1029	77.94	70.04	
GT-14	1026	72.87	64.50	
VRI-2	---	---	---	Destroyed
GT-12	---	---	---	Could not access

Notes:

Appendix B

2022 Groundwater Analytical Data Package

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Doug Weeks
ARCADIS U.S., Inc.
855 Route 146
Suite 210
Clifton Park, New York 12065

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JOB DESCRIPTION

GE Riverview

JOB NUMBER

480-204448-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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Table of Contents

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-204448-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-204448-1

Comments
No additional comments.

Receipt
The samples were received on 12/6/2022 11:00 AM. 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 was 1.4º C.

GC/MS VOA
Method 8260C: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 480-652592 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits. The associated samples are impacted: IW-3 MS (480-204448-7[MS]) and IW-3 MSD (480-204448-7[MSD]).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-652592 recovered outside control limits for the following analyte: Bromoform. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: VRI-9 (480-204448-1), VRI-1 (480-204448-2), GT-14 (480-204448-4), VRI-3 (480-204448-5), IW-3 (480-204448-7), GT-9R (480-204448-8), GT-16 (480-204448-9), DUP-120122-1 (480-204448-10), EQUIPMENT BLANK-120122-1 (480-204448-11) and TRIP BLANK-120122-1 (480-204448-12).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: VRI-1 (480-204448-2), IW-6 (480-204448-3), IW-3 (480-204448-7), IW-3 MS (480-204448-7[MS]), IW-3 MSD (480-204448-7[MSD]) and DUP-120122-1 (480-204448-10). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Client Sample ID: VRI-9 — Lab Sample ID: 480-204448-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.7		1.0	0.75	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	1.8		1.0	0.77	ug/L	1		8260C	Total/NA
Xylenes, Total	0.85	J	2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: VRI-1 — Lab Sample ID: 480-204448-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	4600	E	20	15	ug/L	20		8260C	Total/NA
1,3,5-Trimethylbenzene	2600	E	20	15	ug/L	20		8260C	Total/NA
Acetone	370		200	60	ug/L	20		8260C	Total/NA
Ethylbenzene	280		20	15	ug/L	20		8260C	Total/NA
Isopropylbenzene	280		20	16	ug/L	20		8260C	Total/NA
N-Propylbenzene	210		20	14	ug/L	20		8260C	Total/NA
Xylenes, Total	4500	E	40	13	ug/L	20		8260C	Total/NA
1,2,4-Trimethylbenzene - DL	4500		100	75	ug/L	100		8260C	Total/NA
1,3,5-Trimethylbenzene - DL	2600		100	77	ug/L	100		8260C	Total/NA
Acetone - DL	440	J	1000	300	ug/L	100		8260C	Total/NA
Ethylbenzene - DL	290		100	74	ug/L	100		8260C	Total/NA
Isopropylbenzene - DL	280		100	79	ug/L	100		8260C	Total/NA
N-Propylbenzene - DL	220		100	69	ug/L	100		8260C	Total/NA
Xylenes, Total - DL	4400		200	66	ug/L	100		8260C	Total/NA

Client Sample ID: IW-6 — Lab Sample ID: 480-204448-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	11000		200	150	ug/L	200		8260C	Total/NA
1,3,5-Trimethylbenzene	4300		200	150	ug/L	200		8260C	Total/NA
Isopropylbenzene	860		200	160	ug/L	200		8260C	Total/NA
N-Propylbenzene	1000		200	140	ug/L	200		8260C	Total/NA
Xylenes, Total	9300		400	130	ug/L	200		8260C	Total/NA

Client Sample ID: GT-14 — Lab Sample ID: 480-204448-4

No Detections.

Client Sample ID: VRI-3 — Lab Sample ID: 480-204448-5

No Detections.

Client Sample ID: VRI-4 — Lab Sample ID: 480-204448-6

No Detections.

Client Sample ID: IW-3 — Lab Sample ID: 480-204448-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1500	E	5.0	3.8	ug/L	5		8260C	Total/NA
1,3,5-Trimethylbenzene	1000	E	5.0	3.9	ug/L	5		8260C	Total/NA
Acetone	20	J	50	15	ug/L	5		8260C	Total/NA
Isopropylbenzene	26		5.0	4.0	ug/L	5		8260C	Total/NA
N-Propylbenzene	14		5.0	3.5	ug/L	5		8260C	Total/NA
Xylenes, Total	450		10	3.3	ug/L	5		8260C	Total/NA
1,2,4-Trimethylbenzene - DL	1500		50	38	ug/L	50		8260C	Total/NA
1,3,5-Trimethylbenzene - DL	940		50	39	ug/L	50		8260C	Total/NA
Xylenes, Total - DL	380		100	33	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Client Sample ID: GT-9R — Lab Sample ID: 480-204448-8

No Detections.

Client Sample ID: GT-16 — Lab Sample ID: 480-204448-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.30	J	1.0	0.27	ug/L	1		8260C	Total/NA
Chloroform	0.91	J	1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	7.2		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-120122-1 — Lab Sample ID: 480-204448-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	4400		100	75	ug/L	100		8260C	Total/NA
1,3,5-Trimethylbenzene	2500		100	77	ug/L	100		8260C	Total/NA
Acetone	340	J	1000	300	ug/L	100		8260C	Total/NA
Ethylbenzene	270		100	74	ug/L	100		8260C	Total/NA
Isopropylbenzene	270		100	79	ug/L	100		8260C	Total/NA
N-Propylbenzene	210		100	69	ug/L	100		8260C	Total/NA
Xylenes, Total	4000		200	66	ug/L	100		8260C	Total/NA

Client Sample ID: EQUIPMENT BLANK-120122-1 — Lab Sample ID: 480-204448-11

No Detections.

Client Sample ID: TRIP BLANK-120122-1 — Lab Sample ID: 480-204448-12

No Detections.

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Client Sample ID: VRI-9

Date Collected: 12/01/22 14:03
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-1

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 14:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 14:45	1
1,2,4-Trimethylbenzene	**3.7**		1.0	0.75	ug/L			12/08/22 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 14:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 14:45	1
1,3,5-Trimethylbenzene	**1.8**		1.0	0.77	ug/L			12/08/22 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 14:45	1
Acetone	ND		10	3.0	ug/L			12/08/22 14:45	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 14:45	1
Bromoform	ND	*+	1.0	0.26	ug/L			12/08/22 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 14:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 14:45	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 14:45	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 14:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 14:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 14:45	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 14:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 14:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 14:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 14:45	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 14:45	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 14:45	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 14:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 14:45	1

Client Sample ID: VRI-9

Lab Sample ID: 480-204448-1

Date Collected: 12/01/22 14:03

Matrix: Water

Date Received: 12/06/22 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 14:45	1
Xylenes, Total	**0.85**	**J**	2.0	0.66	ug/L			12/08/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/08/22 14:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/08/22 14:45*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/08/22 14:45*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/08/22 14:45*	*1*

Client Sample ID: VRI-1

Lab Sample ID: 480-204448-2

Date Collected: 12/01/22 15:35

Matrix: Water

Date Received: 12/06/22 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/07/22 21:22	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/07/22 21:22	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/07/22 21:22	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/07/22 21:22	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/07/22 21:22	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/07/22 21:22	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/07/22 21:22	20
1,2,4-Trimethylbenzene	**4600**	**E**	20	15	ug/L			12/07/22 21:22	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/07/22 21:22	20
1,2-Dibromoethane	ND		20	15	ug/L			12/07/22 21:22	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/07/22 21:22	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/07/22 21:22	20
1,2-Dichloropropane	ND		20	14	ug/L			12/07/22 21:22	20
1,3,5-Trimethylbenzene	**2600**	**E**	20	15	ug/L			12/07/22 21:22	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/07/22 21:22	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/07/22 21:22	20
2-Butanone (MEK)	ND		200	26	ug/L			12/07/22 21:22	20
2-Hexanone	ND		100	25	ug/L			12/07/22 21:22	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/07/22 21:22	20
Acetone	**370**		200	60	ug/L			12/07/22 21:22	20
Benzene	ND		20	8.2	ug/L			12/07/22 21:22	20
Bromodichloromethane	ND		20	7.8	ug/L			12/07/22 21:22	20
Bromoform	ND		20	5.2	ug/L			12/07/22 21:22	20
Bromomethane	ND		20	14	ug/L			12/07/22 21:22	20
Carbon disulfide	ND		20	3.8	ug/L			12/07/22 21:22	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/07/22 21:22	20
Chlorobenzene	ND		20	15	ug/L			12/07/22 21:22	20
Chloroethane	ND		20	6.4	ug/L			12/07/22 21:22	20
Chloroform	ND		20	6.8	ug/L			12/07/22 21:22	20
Chloromethane	ND		20	7.0	ug/L			12/07/22 21:22	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			12/07/22 21:22	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/07/22 21:22	20
Cyclohexane	ND		20	3.6	ug/L			12/07/22 21:22	20
Dibromochloromethane	ND		20	6.4	ug/L			12/07/22 21:22	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/07/22 21:22	20

Client Sample ID: VRI-1
Date Collected: 12/01/22 15:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**280**		20	15	ug/L			12/07/22 21:22	20
Isopropylbenzene	**280**		20	16	ug/L			12/07/22 21:22	20
Methyl acetate	ND		50	26	ug/L			12/07/22 21:22	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/07/22 21:22	20
Methylcyclohexane	ND		20	3.2	ug/L			12/07/22 21:22	20
Methylene Chloride	ND		20	8.8	ug/L			12/07/22 21:22	20
N-Propylbenzene	**210**		20	14	ug/L			12/07/22 21:22	20
Styrene	ND		20	15	ug/L			12/07/22 21:22	20
Tetrachloroethene	ND		20	7.2	ug/L			12/07/22 21:22	20
Toluene	ND		20	10	ug/L			12/07/22 21:22	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/07/22 21:22	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/07/22 21:22	20
Trichloroethene	ND		20	9.2	ug/L			12/07/22 21:22	20
Trichlorofluoromethane	ND		20	18	ug/L			12/07/22 21:22	20
Vinyl chloride	ND		20	18	ug/L			12/07/22 21:22	20
Xylenes, Total	**4500**	**E**	40	13	ug/L			12/07/22 21:22	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/07/22 21:22*	*20*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/07/22 21:22*	*20*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/07/22 21:22*	*20*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/07/22 21:22*	*20*

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			12/08/22 15:08	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			12/08/22 15:08	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			12/08/22 15:08	100
1,1,2-Trichloroethane	ND		100	23	ug/L			12/08/22 15:08	100
1,1-Dichloroethane	ND		100	38	ug/L			12/08/22 15:08	100
1,1-Dichloroethene	ND		100	29	ug/L			12/08/22 15:08	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			12/08/22 15:08	100
1,2,4-Trimethylbenzene	**4500**		100	75	ug/L			12/08/22 15:08	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			12/08/22 15:08	100
1,2-Dibromoethane	ND		100	73	ug/L			12/08/22 15:08	100
1,2-Dichlorobenzene	ND		100	79	ug/L			12/08/22 15:08	100
1,2-Dichloroethane	ND		100	21	ug/L			12/08/22 15:08	100
1,2-Dichloropropane	ND		100	72	ug/L			12/08/22 15:08	100
1,3,5-Trimethylbenzene	**2600**		100	77	ug/L			12/08/22 15:08	100
1,3-Dichlorobenzene	ND		100	78	ug/L			12/08/22 15:08	100
1,4-Dichlorobenzene	ND		100	84	ug/L			12/08/22 15:08	100
2-Butanone (MEK)	ND		1000	130	ug/L			12/08/22 15:08	100
2-Hexanone	ND		500	120	ug/L			12/08/22 15:08	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			12/08/22 15:08	100
Acetone	**440**	**J**	1000	300	ug/L			12/08/22 15:08	100
Benzene	ND		100	41	ug/L			12/08/22 15:08	100
Bromodichloromethane	ND		100	39	ug/L			12/08/22 15:08	100
Bromoform	ND	*+	100	26	ug/L			12/08/22 15:08	100
Bromomethane	ND		100	69	ug/L			12/08/22 15:08	100
Carbon disulfide	ND		100	19	ug/L			12/08/22 15:08	100

Client Sample ID: VRI-1

Date Collected: 12/01/22 15:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		100	27	ug/L			12/08/22 15:08	100
Chlorobenzene	ND		100	75	ug/L			12/08/22 15:08	100
Chloroethane	ND		100	32	ug/L			12/08/22 15:08	100
Chloroform	ND		100	34	ug/L			12/08/22 15:08	100
Chloromethane	ND		100	35	ug/L			12/08/22 15:08	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			12/08/22 15:08	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			12/08/22 15:08	100
Cyclohexane	ND		100	18	ug/L			12/08/22 15:08	100
Dibromochloromethane	ND		100	32	ug/L			12/08/22 15:08	100
Dichlorodifluoromethane	ND		100	68	ug/L			12/08/22 15:08	100
Ethylbenzene	**290**		100	74	ug/L			12/08/22 15:08	100
Isopropylbenzene	**280**		100	79	ug/L			12/08/22 15:08	100
Methyl acetate	ND		250	130	ug/L			12/08/22 15:08	100
Methyl tert-butyl ether	ND		100	16	ug/L			12/08/22 15:08	100
Methylcyclohexane	ND		100	16	ug/L			12/08/22 15:08	100
Methylene Chloride	ND		100	44	ug/L			12/08/22 15:08	100
N-Propylbenzene	**220**		100	69	ug/L			12/08/22 15:08	100
Styrene	ND		100	73	ug/L			12/08/22 15:08	100
Tetrachloroethene	ND		100	36	ug/L			12/08/22 15:08	100
Toluene	ND		100	51	ug/L			12/08/22 15:08	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			12/08/22 15:08	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			12/08/22 15:08	100
Trichloroethene	ND		100	46	ug/L			12/08/22 15:08	100
Trichlorofluoromethane	ND		100	88	ug/L			12/08/22 15:08	100
Vinyl chloride	ND		100	90	ug/L			12/08/22 15:08	100
Xylenes, Total	**4400**		200	66	ug/L			12/08/22 15:08	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/08/22 15:08*	*100*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/08/22 15:08*	*100*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/08/22 15:08*	*100*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/08/22 15:08*	*100*

Client Sample ID: IW-6

Date Collected: 12/01/22 16:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-3

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			12/07/22 21:45	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			12/07/22 21:45	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			12/07/22 21:45	200
1,1,2-Trichloroethane	ND		200	46	ug/L			12/07/22 21:45	200
1,1-Dichloroethane	ND		200	76	ug/L			12/07/22 21:45	200
1,1-Dichloroethene	ND		200	58	ug/L			12/07/22 21:45	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			12/07/22 21:45	200
1,2,4-Trimethylbenzene	**11000**		200	150	ug/L			12/07/22 21:45	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			12/07/22 21:45	200
1,2-Dibromoethane	ND		200	150	ug/L			12/07/22 21:45	200
1,2-Dichlorobenzene	ND		200	160	ug/L			12/07/22 21:45	200

Client Sample ID: IW-6
Date Collected: 12/01/22 16:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		200	42	ug/L			12/07/22 21:45	200
1,2-Dichloropropane	ND		200	140	ug/L			12/07/22 21:45	200
1,3,5-Trimethylbenzene	**4300**		200	150	ug/L			12/07/22 21:45	200
1,3-Dichlorobenzene	ND		200	160	ug/L			12/07/22 21:45	200
1,4-Dichlorobenzene	ND		200	170	ug/L			12/07/22 21:45	200
2-Butanone (MEK)	ND		2000	260	ug/L			12/07/22 21:45	200
2-Hexanone	ND		1000	250	ug/L			12/07/22 21:45	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			12/07/22 21:45	200
Acetone	ND		2000	600	ug/L			12/07/22 21:45	200
Benzene	ND		200	82	ug/L			12/07/22 21:45	200
Bromodichloromethane	ND		200	78	ug/L			12/07/22 21:45	200
Bromoform	ND		200	52	ug/L			12/07/22 21:45	200
Bromomethane	ND		200	140	ug/L			12/07/22 21:45	200
Carbon disulfide	ND		200	38	ug/L			12/07/22 21:45	200
Carbon tetrachloride	ND		200	54	ug/L			12/07/22 21:45	200
Chlorobenzene	ND		200	150	ug/L			12/07/22 21:45	200
Chloroethane	ND		200	64	ug/L			12/07/22 21:45	200
Chloroform	ND		200	68	ug/L			12/07/22 21:45	200
Chloromethane	ND		200	70	ug/L			12/07/22 21:45	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			12/07/22 21:45	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			12/07/22 21:45	200
Cyclohexane	ND		200	36	ug/L			12/07/22 21:45	200
Dibromochloromethane	ND		200	64	ug/L			12/07/22 21:45	200
Dichlorodifluoromethane	ND		200	140	ug/L			12/07/22 21:45	200
Ethylbenzene	ND		200	150	ug/L			12/07/22 21:45	200
Isopropylbenzene	**860**		200	160	ug/L			12/07/22 21:45	200
Methyl acetate	ND		500	260	ug/L			12/07/22 21:45	200
Methyl tert-butyl ether	ND		200	32	ug/L			12/07/22 21:45	200
Methylcyclohexane	ND		200	32	ug/L			12/07/22 21:45	200
Methylene Chloride	ND		200	88	ug/L			12/07/22 21:45	200
N-Propylbenzene	**1000**		200	140	ug/L			12/07/22 21:45	200
Styrene	ND		200	150	ug/L			12/07/22 21:45	200
Tetrachloroethene	ND		200	72	ug/L			12/07/22 21:45	200
Toluene	ND		200	100	ug/L			12/07/22 21:45	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			12/07/22 21:45	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			12/07/22 21:45	200
Trichloroethene	ND		200	92	ug/L			12/07/22 21:45	200
Trichlorofluoromethane	ND		200	180	ug/L			12/07/22 21:45	200
Vinyl chloride	ND		200	180	ug/L			12/07/22 21:45	200
Xylenes, Total	**9300**		400	130	ug/L			12/07/22 21:45	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*12/07/22 21:45*	*200*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/07/22 21:45*	*200*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*12/07/22 21:45*	*200*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/07/22 21:45*	*200*

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Client Sample ID: GT-14
Date Collected: 12/02/22 11:36
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 15:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 15:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 15:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 15:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 15:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 15:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 15:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 15:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 15:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 15:30	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 15:30	1
Acetone	ND		10	3.0	ug/L			12/08/22 15:30	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 15:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 15:30	1
Bromoform	ND	*+	1.0	0.26	ug/L			12/08/22 15:30	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 15:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 15:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 15:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 15:30	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 15:30	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 15:30	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 15:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 15:30	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 15:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 15:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 15:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 15:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 15:30	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 15:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 15:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 15:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 15:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 15:30	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 15:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 15:30	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 15:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 15:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 15:30	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 15:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 15:30	1

Client Sample ID: GT-14

Lab Sample ID: 480-204448-4

Date Collected: 12/02/22 11:36

Matrix: Water

Date Received: 12/06/22 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 15:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/08/22 15:30*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/08/22 15:30*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*12/08/22 15:30*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/08/22 15:30*	*1*

Client Sample ID: VRI-3

Lab Sample ID: 480-204448-5

Date Collected: 12/02/22 12:27

Matrix: Water

Date Received: 12/06/22 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 15:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 15:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 15:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 15:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 15:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 15:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 15:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 15:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 15:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 15:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 15:53	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 15:53	1
Acetone	ND		10	3.0	ug/L			12/08/22 15:53	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 15:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 15:53	1
Bromoform	ND	*+	1.0	0.26	ug/L			12/08/22 15:53	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 15:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 15:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 15:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 15:53	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 15:53	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 15:53	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 15:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 15:53	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 15:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 15:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 15:53	1

Client Sample ID: VRI-3

Date Collected: 12/02/22 12:27
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 15:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 15:53	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 15:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 15:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 15:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 15:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 15:53	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 15:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 15:53	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 15:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 15:53	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 15:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 15:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 15:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/08/22 15:53*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/08/22 15:53*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/08/22 15:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/08/22 15:53*	*1*

Client Sample ID: VRI-4

Date Collected: 12/02/22 13:26
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-6
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/22 22:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/22 22:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/22 22:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/22 22:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/22 22:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/22 22:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/22 22:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/07/22 22:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/22 22:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/22 22:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/22 22:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/22 22:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/22 22:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/07/22 22:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/22 22:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/22 22:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/22 22:52	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/22 22:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/22 22:52	1
Acetone	ND		10	3.0	ug/L			12/07/22 22:52	1
Benzene	ND		1.0	0.41	ug/L			12/07/22 22:52	1

Client Sample ID: VRI-4

Date Collected: 12/02/22 13:26
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/22 22:52	1
Bromoform	ND		1.0	0.26	ug/L			12/07/22 22:52	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/22 22:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/22 22:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/22 22:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/22 22:52	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/22 22:52	1
Chloroform	ND		1.0	0.34	ug/L			12/07/22 22:52	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/22 22:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/22 22:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/22 22:52	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/22 22:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/22 22:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/22 22:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/22 22:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/22 22:52	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/22 22:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/22 22:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/22 22:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/22 22:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/07/22 22:52	1
Styrene	ND		1.0	0.73	ug/L			12/07/22 22:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/22 22:52	1
Toluene	ND		1.0	0.51	ug/L			12/07/22 22:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/22 22:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/22 22:52	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/22 22:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/22 22:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/22 22:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/22 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/07/22 22:52*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/07/22 22:52*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/07/22 22:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/07/22 22:52*	*1*

Client Sample ID: IW-3

Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/07/22 23:14	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/07/22 23:14	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/07/22 23:14	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/07/22 23:14	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/07/22 23:14	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/07/22 23:14	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/07/22 23:14	5

Client Sample ID: IW-3
Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**1500**	**E**	5.0	3.8	ug/L			12/07/22 23:14	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/07/22 23:14	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/07/22 23:14	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/07/22 23:14	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/07/22 23:14	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/07/22 23:14	5
1,3,5-Trimethylbenzene	**1000**	**E**	5.0	3.9	ug/L			12/07/22 23:14	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/07/22 23:14	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/07/22 23:14	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/07/22 23:14	5
2-Hexanone	ND		25	6.2	ug/L			12/07/22 23:14	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/07/22 23:14	5
Acetone	**20**	**J**	50	15	ug/L			12/07/22 23:14	5
Benzene	ND		5.0	2.1	ug/L			12/07/22 23:14	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/07/22 23:14	5
Bromoform	ND	F1	5.0	1.3	ug/L			12/07/22 23:14	5
Bromomethane	ND		5.0	3.5	ug/L			12/07/22 23:14	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/07/22 23:14	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/07/22 23:14	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/07/22 23:14	5
Chloroethane	ND		5.0	1.6	ug/L			12/07/22 23:14	5
Chloroform	ND		5.0	1.7	ug/L			12/07/22 23:14	5
Chloromethane	ND		5.0	1.8	ug/L			12/07/22 23:14	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/07/22 23:14	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/07/22 23:14	5
Cyclohexane	ND		5.0	0.90	ug/L			12/07/22 23:14	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/07/22 23:14	5
Dichlorodifluoromethane	ND	F1	5.0	3.4	ug/L			12/07/22 23:14	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/07/22 23:14	5
Isopropylbenzene	**26**		5.0	4.0	ug/L			12/07/22 23:14	5
Methyl acetate	ND		13	6.5	ug/L			12/07/22 23:14	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/07/22 23:14	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/07/22 23:14	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/07/22 23:14	5
N-Propylbenzene	**14**		5.0	3.5	ug/L			12/07/22 23:14	5
Styrene	ND	F1	5.0	3.7	ug/L			12/07/22 23:14	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/07/22 23:14	5
Toluene	ND		5.0	2.6	ug/L			12/07/22 23:14	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/07/22 23:14	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/07/22 23:14	5
Trichloroethene	ND		5.0	2.3	ug/L			12/07/22 23:14	5
Trichlorofluoromethane	ND	F1	5.0	4.4	ug/L			12/07/22 23:14	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/07/22 23:14	5
Xylenes, Total	**450**		10	3.3	ug/L			12/07/22 23:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/07/22 23:14*	*5*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/07/22 23:14*	*5*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*12/07/22 23:14*	*5*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/07/22 23:14*	*5*

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Client Sample ID: IW-3

Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			12/08/22 16:16	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			12/08/22 16:16	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			12/08/22 16:16	50
1,1,2-Trichloroethane	ND		50	12	ug/L			12/08/22 16:16	50
1,1-Dichloroethane	ND		50	19	ug/L			12/08/22 16:16	50
1,1-Dichloroethene	ND		50	15	ug/L			12/08/22 16:16	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			12/08/22 16:16	50
1,2,4-Trimethylbenzene	**1500**		50	38	ug/L			12/08/22 16:16	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			12/08/22 16:16	50
1,2-Dibromoethane	ND		50	37	ug/L			12/08/22 16:16	50
1,2-Dichlorobenzene	ND		50	40	ug/L			12/08/22 16:16	50
1,2-Dichloroethane	ND		50	11	ug/L			12/08/22 16:16	50
1,2-Dichloropropane	ND		50	36	ug/L			12/08/22 16:16	50
1,3,5-Trimethylbenzene	**940**		50	39	ug/L			12/08/22 16:16	50
1,3-Dichlorobenzene	ND		50	39	ug/L			12/08/22 16:16	50
1,4-Dichlorobenzene	ND		50	42	ug/L			12/08/22 16:16	50
2-Butanone (MEK)	ND		500	66	ug/L			12/08/22 16:16	50
2-Hexanone	ND		250	62	ug/L			12/08/22 16:16	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			12/08/22 16:16	50
Acetone	ND	F2	500	150	ug/L			12/08/22 16:16	50
Benzene	ND		50	21	ug/L			12/08/22 16:16	50
Bromodichloromethane	ND		50	20	ug/L			12/08/22 16:16	50
Bromoform	ND	*+	50	13	ug/L			12/08/22 16:16	50
Bromomethane	ND		50	35	ug/L			12/08/22 16:16	50
Carbon disulfide	ND		50	9.5	ug/L			12/08/22 16:16	50
Carbon tetrachloride	ND		50	14	ug/L			12/08/22 16:16	50
Chlorobenzene	ND		50	38	ug/L			12/08/22 16:16	50
Chloroethane	ND		50	16	ug/L			12/08/22 16:16	50
Chloroform	ND		50	17	ug/L			12/08/22 16:16	50
Chloromethane	ND		50	18	ug/L			12/08/22 16:16	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			12/08/22 16:16	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			12/08/22 16:16	50
Cyclohexane	ND		50	9.0	ug/L			12/08/22 16:16	50
Dibromochloromethane	ND		50	16	ug/L			12/08/22 16:16	50
Dichlorodifluoromethane	ND		50	34	ug/L			12/08/22 16:16	50
Ethylbenzene	ND		50	37	ug/L			12/08/22 16:16	50
Isopropylbenzene	ND		50	40	ug/L			12/08/22 16:16	50
Methyl acetate	ND		130	65	ug/L			12/08/22 16:16	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			12/08/22 16:16	50
Methylcyclohexane	ND		50	8.0	ug/L			12/08/22 16:16	50
Methylene Chloride	ND		50	22	ug/L			12/08/22 16:16	50
N-Propylbenzene	ND		50	35	ug/L			12/08/22 16:16	50
Styrene	ND		50	37	ug/L			12/08/22 16:16	50
Tetrachloroethene	ND		50	18	ug/L			12/08/22 16:16	50
Toluene	ND		50	26	ug/L			12/08/22 16:16	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			12/08/22 16:16	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			12/08/22 16:16	50
Trichloroethene	ND		50	23	ug/L			12/08/22 16:16	50
Trichlorofluoromethane	ND		50	44	ug/L			12/08/22 16:16	50

Client Sample ID: IW-3

Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		50	45	ug/L			12/08/22 16:16	50
Xylenes, Total	**380**		100	33	ug/L			12/08/22 16:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 16:16*	*50*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/08/22 16:16*	*50*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/08/22 16:16*	*50*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/08/22 16:16*	*50*

Client Sample ID: GT-9R

Date Collected: 12/02/22 17:05
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-8
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 16:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 16:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 16:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 16:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 16:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 16:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 16:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 16:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 16:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 16:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 16:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 16:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 16:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 16:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 16:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 16:38	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 16:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 16:38	1
Acetone	ND		10	3.0	ug/L			12/08/22 16:38	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 16:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 16:38	1
Bromoform	ND	*+	1.0	0.26	ug/L			12/08/22 16:38	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 16:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 16:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 16:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 16:38	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 16:38	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 16:38	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 16:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 16:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 16:38	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 16:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 16:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 16:38	1

Client Sample ID: GT-9R

Date Collected: 12/02/22 17:05
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 16:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 16:38	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 16:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 16:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 16:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 16:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 16:38	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 16:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 16:38	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 16:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 16:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 16:38	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 16:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 16:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 16:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/08/22 16:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/08/22 16:38*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/08/22 16:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/08/22 16:38*	*1*

Client Sample ID: GT-16

Date Collected: 12/02/22 14:55
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-9

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 17:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 17:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 17:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 17:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 17:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 17:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 17:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 17:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 17:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 17:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 17:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 17:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 17:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 17:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 17:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 17:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 17:01	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 17:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 17:01	1
Acetone	ND		10	3.0	ug/L			12/08/22 17:01	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 17:01	1

Client Sample ID: GT-16

Date Collected: 12/02/22 14:55
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 17:01	1
Bromoform	ND	*+	1.0	0.26	ug/L			12/08/22 17:01	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 17:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 17:01	1
Carbon tetrachloride	**0.30**	**J**	1.0	0.27	ug/L			12/08/22 17:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 17:01	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 17:01	1
Chloroform	**0.91**	**J**	1.0	0.34	ug/L			12/08/22 17:01	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 17:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 17:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 17:01	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 17:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 17:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 17:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 17:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 17:01	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 17:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 17:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 17:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 17:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 17:01	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 17:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 17:01	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 17:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 17:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 17:01	1
Trichloroethene	**7.2**		1.0	0.46	ug/L			12/08/22 17:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 17:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 17:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 17:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/08/22 17:01*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/08/22 17:01*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/08/22 17:01*	*1*

Client Sample ID: DUP-120122-1

Date Collected: 12/02/22 00:00
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-10

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			12/08/22 17:23	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			12/08/22 17:23	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			12/08/22 17:23	100
1,1,2-Trichloroethane	ND		100	23	ug/L			12/08/22 17:23	100
1,1-Dichloroethane	ND		100	38	ug/L			12/08/22 17:23	100
1,1-Dichloroethene	ND		100	29	ug/L			12/08/22 17:23	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			12/08/22 17:23	100

Client Sample ID: DUP-120122-1
Date Collected: 12/02/22 00:00
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**4400**		100	75	ug/L			12/08/22 17:23	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			12/08/22 17:23	100
1,2-Dibromoethane	ND		100	73	ug/L			12/08/22 17:23	100
1,2-Dichlorobenzene	ND		100	79	ug/L			12/08/22 17:23	100
1,2-Dichloroethane	ND		100	21	ug/L			12/08/22 17:23	100
1,2-Dichloropropane	ND		100	72	ug/L			12/08/22 17:23	100
1,3,5-Trimethylbenzene	**2500**		100	77	ug/L			12/08/22 17:23	100
1,3-Dichlorobenzene	ND		100	78	ug/L			12/08/22 17:23	100
1,4-Dichlorobenzene	ND		100	84	ug/L			12/08/22 17:23	100
2-Butanone (MEK)	ND		1000	130	ug/L			12/08/22 17:23	100
2-Hexanone	ND		500	120	ug/L			12/08/22 17:23	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			12/08/22 17:23	100
Acetone	**340**	**J**	1000	300	ug/L			12/08/22 17:23	100
Benzene	ND		100	41	ug/L			12/08/22 17:23	100
Bromodichloromethane	ND		100	39	ug/L			12/08/22 17:23	100
Bromoform	ND	*+	100	26	ug/L			12/08/22 17:23	100
Bromomethane	ND		100	69	ug/L			12/08/22 17:23	100
Carbon disulfide	ND		100	19	ug/L			12/08/22 17:23	100
Carbon tetrachloride	ND		100	27	ug/L			12/08/22 17:23	100
Chlorobenzene	ND		100	75	ug/L			12/08/22 17:23	100
Chloroethane	ND		100	32	ug/L			12/08/22 17:23	100
Chloroform	ND		100	34	ug/L			12/08/22 17:23	100
Chloromethane	ND		100	35	ug/L			12/08/22 17:23	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			12/08/22 17:23	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			12/08/22 17:23	100
Cyclohexane	ND		100	18	ug/L			12/08/22 17:23	100
Dibromochloromethane	ND		100	32	ug/L			12/08/22 17:23	100
Dichlorodifluoromethane	ND		100	68	ug/L			12/08/22 17:23	100
Ethylbenzene	**270**		100	74	ug/L			12/08/22 17:23	100
Isopropylbenzene	**270**		100	79	ug/L			12/08/22 17:23	100
Methyl acetate	ND		250	130	ug/L			12/08/22 17:23	100
Methyl tert-butyl ether	ND		100	16	ug/L			12/08/22 17:23	100
Methylcyclohexane	ND		100	16	ug/L			12/08/22 17:23	100
Methylene Chloride	ND		100	44	ug/L			12/08/22 17:23	100
N-Propylbenzene	**210**		100	69	ug/L			12/08/22 17:23	100
Styrene	ND		100	73	ug/L			12/08/22 17:23	100
Tetrachloroethene	ND		100	36	ug/L			12/08/22 17:23	100
Toluene	ND		100	51	ug/L			12/08/22 17:23	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			12/08/22 17:23	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			12/08/22 17:23	100
Trichloroethene	ND		100	46	ug/L			12/08/22 17:23	100
Trichlorofluoromethane	ND		100	88	ug/L			12/08/22 17:23	100
Vinyl chloride	ND		100	90	ug/L			12/08/22 17:23	100
Xylenes, Total	**4000**		200	66	ug/L			12/08/22 17:23	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 17:23*	*100*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/08/22 17:23*	*100*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/08/22 17:23*	*100*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/08/22 17:23*	*100*

Client Sample ID: EQUIPMENT BLANK-120122-1
Date Collected: 12/01/22 13:03
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-11
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 17:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 17:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 17:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 17:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 17:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 17:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 17:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 17:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 17:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 17:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 17:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 17:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 17:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 17:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 17:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 17:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 17:46	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 17:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 17:46	1
Acetone	ND		10	3.0	ug/L			12/08/22 17:46	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 17:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 17:46	1
Bromoform	ND	*+	1.0	0.26	ug/L			12/08/22 17:46	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 17:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 17:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 17:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 17:46	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 17:46	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 17:46	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 17:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 17:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 17:46	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 17:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 17:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 17:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 17:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 17:46	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 17:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 17:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 17:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 17:46	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 17:46	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 17:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 17:46	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 17:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 17:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 17:46	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 17:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 17:46	1

Client Sample ID: EQUIPMENT BLANK-120122-1

Lab Sample ID: 480-204448-11

Date Collected: 12/01/22 13:03

Matrix: Water

Date Received: 12/06/22 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 17:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*12/08/22 17:46*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/08/22 17:46*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*12/08/22 17:46*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/08/22 17:46*	*1*

Client Sample ID: TRIP BLANK-120122-1

Lab Sample ID: 480-204448-12

Date Collected: 12/01/22 00:00

Matrix: Water

Date Received: 12/06/22 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 18:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 18:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 18:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 18:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 18:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 18:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 18:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 18:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 18:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 18:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 18:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 18:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 18:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 18:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 18:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 18:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 18:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 18:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 18:08	1
Acetone	ND		10	3.0	ug/L			12/08/22 18:08	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 18:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 18:08	1
Bromoform	ND	*+	1.0	0.26	ug/L			12/08/22 18:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 18:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 18:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 18:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 18:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 18:08	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 18:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 18:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 18:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 18:08	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 18:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 18:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 18:08	1

Client Sample ID: TRIP BLANK-120122-1
Date Collected: 12/01/22 00:00
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 18:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 18:08	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 18:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 18:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 18:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 18:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 18:08	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 18:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 18:08	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 18:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 18:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 18:08	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 18:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 18:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 18:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 18:08*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/08/22 18:08*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/08/22 18:08*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/08/22 18:08*	*1*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-204448-1	VRI-9	101	99	102	103
480-204448-2	VRI-1	98	102	97	98
480-204448-2 - DL	VRI-1	99	98	97	100
480-204448-3	IW-6	100	98	99	99
480-204448-4	GT-14	101	97	99	101
480-204448-5	VRI-3	99	94	97	100
480-204448-6	VRI-4	103	95	97	100
480-204448-7	IW-3	103	100	100	98
480-204448-7 - DL	IW-3	102	95	97	98
480-204448-7 MS	IW-3 MS	101	101	100	97
480-204448-7 MS - DL	IW-3 MS	104	102	101	99
480-204448-7 MSD	IW-3 MSD	100	102	98	99
480-204448-7 MSD - DL	IW-3 MSD	101	101	102	99
480-204448-8	GT-9R	101	98	97	101
480-204448-9	GT-16	102	95	98	99
480-204448-10	DUP-120122-1	102	97	98	100
480-204448-11	EQUIPMENT BLANK-120122-1	100	96	94	98
480-204448-12	TRIP BLANK-120122-1	102	94	98	100
LCS 480-652519/5	Lab Control Sample	100	103	102	101
LCS 480-652592/5	Lab Control Sample	98	97	97	98
MB 480-652519/7	Method Blank	104	97	102	100
MB 480-652592/7	Method Blank	102	97	106	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-652519/7
Matrix: Water
Analysis Batch: 652519

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/22 16:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/22 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/22 16:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/22 16:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/22 16:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/22 16:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/22 16:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/07/22 16:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/22 16:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/22 16:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/22 16:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/22 16:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/22 16:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/07/22 16:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/22 16:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/22 16:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/22 16:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/22 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/22 16:08	1
Acetone	ND		10	3.0	ug/L			12/07/22 16:08	1
Benzene	ND		1.0	0.41	ug/L			12/07/22 16:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/22 16:08	1
Bromoform	ND		1.0	0.26	ug/L			12/07/22 16:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/22 16:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/22 16:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/22 16:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/22 16:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/22 16:08	1
Chloroform	ND		1.0	0.34	ug/L			12/07/22 16:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/22 16:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/22 16:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/22 16:08	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/22 16:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/22 16:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/22 16:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/22 16:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/22 16:08	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/22 16:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/22 16:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/22 16:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/22 16:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/07/22 16:08	1
Styrene	ND		1.0	0.73	ug/L			12/07/22 16:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/22 16:08	1
Toluene	ND		1.0	0.51	ug/L			12/07/22 16:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/22 16:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/22 16:08	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/22 16:08	1

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

Lab Sample ID: MB 480-652519/7
Matrix: Water
Analysis Batch: 652519

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/22 16:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/22 16:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/22 16:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/07/22 16:08*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/07/22 16:08*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/07/22 16:08*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/07/22 16:08*	*1*

Lab Sample ID: LCS 480-652519/5
Matrix: Water
Analysis Batch: 652519

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	28.4		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.3		ug/L		105	61 - 148
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	25.9		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	25.7		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	79 - 122
1,2,4-Trimethylbenzene	25.0	25.6		ug/L		102	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	27.7		ug/L		111	56 - 134
1,2-Dibromoethane	25.0	25.9		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		105	77 - 121
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	118		ug/L		95	57 - 140
2-Hexanone	125	127		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	108		ug/L		86	56 - 142
Benzene	25.0	25.9		ug/L		103	71 - 124
Bromodichloromethane	25.0	26.7		ug/L		107	80 - 122
Bromoform	25.0	31.6		ug/L		126	61 - 132
Bromomethane	25.0	25.1		ug/L		100	55 - 144
Carbon disulfide	25.0	26.0		ug/L		104	59 - 134
Carbon tetrachloride	25.0	29.3		ug/L		117	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	25.2		ug/L		101	73 - 127
Chloromethane	25.0	26.5		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	74 - 124
Cyclohexane	25.0	27.1		ug/L		108	59 - 135

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

Lab Sample ID: LCS 480-652519/5
Matrix: Water
Analysis Batch: 652519

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dibromochloromethane	25.0	28.4		ug/L		113	75 - 125
Dichlorodifluoromethane	25.0	29.9		ug/L		119	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	26.9		ug/L		108	77 - 122
Methyl acetate	50.0	53.3		ug/L		107	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	27.6		ug/L		110	68 - 134
Methylene Chloride	25.0	25.6		ug/L		103	75 - 124
N-Propylbenzene	25.0	26.7		ug/L		107	75 - 127
Styrene	25.0	26.4		ug/L		105	80 - 120
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	25.9		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	26.1		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	25.0	27.1		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	27.1		ug/L		108	62 - 150
Vinyl chloride	25.0	26.5		ug/L		106	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 480-204448-7 MS
Matrix: Water
Analysis Batch: 652519

Client Sample ID: IW-3 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		125	156		ug/L		125	73 - 126
1,1,2,2-Tetrachloroethane	ND		125	134		ug/L		108	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		125	147		ug/L		118	61 - 148
1,1,2-Trichloroethane	ND		125	136		ug/L		109	76 - 122
1,1-Dichloroethane	ND		125	142		ug/L		113	77 - 120
1,1-Dichloroethene	ND		125	145		ug/L		116	66 - 127
1,2,4-Trichlorobenzene	ND		125	140		ug/L		112	79 - 122
1,2,4-Trimethylbenzene	1500	E	125	1410	E 4	ug/L		-44	76 - 121
1,2-Dibromo-3-Chloropropane	ND		125	150		ug/L		120	56 - 134
1,2-Dibromoethane	ND		125	140		ug/L		112	77 - 120
1,2-Dichlorobenzene	ND		125	136		ug/L		109	80 - 124
1,2-Dichloroethane	ND		125	134		ug/L		107	75 - 120
1,2-Dichloropropane	ND		125	140		ug/L		112	76 - 120
1,3,5-Trimethylbenzene	1000	E	125	1090	E 4	ug/L		75	77 - 121
1,3-Dichlorobenzene	ND		125	137		ug/L		109	77 - 120
1,4-Dichlorobenzene	ND		125	131		ug/L		105	78 - 124
2-Butanone (MEK)	ND		625	805		ug/L		129	57 - 140
2-Hexanone	ND		625	753		ug/L		120	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		625	710		ug/L		114	71 - 125

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

Lab Sample ID: 480-204448-7 MS
Matrix: Water
Analysis Batch: 652519

Client Sample ID: IW-3 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	20	J	625	775		ug/L		121	56 - 142
Benzene	ND		125	142		ug/L		113	71 - 124
Bromodichloromethane	ND		125	142		ug/L		114	80 - 122
Bromoform	ND	F1	125	166	F1	ug/L		133	61 - 132
Bromomethane	ND		125	133		ug/L		107	55 - 144
Carbon disulfide	ND		125	145		ug/L		116	59 - 134
Carbon tetrachloride	ND		125	156		ug/L		125	72 - 134
Chlorobenzene	ND		125	138		ug/L		110	80 - 120
Chloroethane	ND		125	135		ug/L		108	69 - 136
Chloroform	ND		125	137		ug/L		110	73 - 127
Chloromethane	ND		125	147		ug/L		118	68 - 124
cis-1,2-Dichloroethene	ND		125	136		ug/L		109	74 - 124
cis-1,3-Dichloropropene	ND		125	141		ug/L		112	74 - 124
Cyclohexane	ND		125	152		ug/L		121	59 - 135
Dibromochloromethane	ND		125	145		ug/L		116	75 - 125
Dichlorodifluoromethane	ND	F1	125	175	F1	ug/L		140	59 - 135
Ethylbenzene	ND		125	146		ug/L		116	77 - 123
Isopropylbenzene	26		125	174		ug/L		118	77 - 122
Methyl acetate	ND		250	263		ug/L		105	74 - 133
Methyl tert-butyl ether	ND		125	133		ug/L		106	77 - 120
Methylcyclohexane	ND		125	153		ug/L		122	68 - 134
Methylene Chloride	ND		125	140		ug/L		112	75 - 124
N-Propylbenzene	14		125	158		ug/L		116	75 - 127
Styrene	ND	F1	125	154	F1	ug/L		123	80 - 120
Tetrachloroethene	ND		125	147		ug/L		118	74 - 122
Toluene	ND		125	138		ug/L		110	80 - 122
trans-1,2-Dichloroethene	ND		125	145		ug/L		116	73 - 127
trans-1,3-Dichloropropene	ND		125	144		ug/L		115	80 - 120
Trichloroethene	ND		125	148		ug/L		118	74 - 123
Trichlorofluoromethane	ND	F1	125	43.4	F1	ug/L		35	62 - 150
Vinyl chloride	ND		125	146		ug/L		117	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 480-204448-7 MSD
Matrix: Water
Analysis Batch: 652519

Client Sample ID: IW-3 MSD
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	ND		125	150		ug/L		120	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		125	138		ug/L		110	76 - 120	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		125	141		ug/L		113	61 - 148	4	20
1,1,2-Trichloroethane	ND		125	134		ug/L		108	76 - 122	1	15
1,1-Dichloroethane	ND		125	137		ug/L		109	77 - 120	4	20

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

Lab Sample ID: 480-204448-7 MSD
Matrix: Water
Analysis Batch: 652519

Client Sample ID: IW-3 MSD
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-Dichloroethene	ND		125	138		ug/L		111	66 - 127	4	16
1,2,4-Trichlorobenzene	ND		125	140		ug/L		112	79 - 122	0	20
1,2,4-Trimethylbenzene	1500	E	125	1380	E 4	ug/L		-65	76 - 121	2	20
1,2-Dibromo-3-Chloropropane	ND		125	159		ug/L		127	56 - 134	6	15
1,2-Dibromoethane	ND		125	142		ug/L		114	77 - 120	1	15
1,2-Dichlorobenzene	ND		125	136		ug/L		109	80 - 124	0	20
1,2-Dichloroethane	ND		125	128		ug/L		102	75 - 120	5	20
1,2-Dichloropropane	ND		125	139		ug/L		111	76 - 120	1	20
1,3,5-Trimethylbenzene	1000	E	125	1090	E 4	ug/L		73	77 - 121	0	20
1,3-Dichlorobenzene	ND		125	135		ug/L		108	77 - 120	1	20
1,4-Dichlorobenzene	ND		125	131		ug/L		105	78 - 124	0	20
2-Butanone (MEK)	ND		625	797		ug/L		128	57 - 140	1	20
2-Hexanone	ND		625	773		ug/L		124	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	ND		625	729		ug/L		117	71 - 125	3	35
Acetone	20	J	625	786		ug/L		122	56 - 142	1	15
Benzene	ND		125	136		ug/L		109	71 - 124	4	13
Bromodichloromethane	ND		125	141		ug/L		112	80 - 122	1	15
Bromoform	ND	F1	125	172	F1	ug/L		138	61 - 132	4	15
Bromomethane	ND		125	126		ug/L		101	55 - 144	6	15
Carbon disulfide	ND		125	139		ug/L		111	59 - 134	4	15
Carbon tetrachloride	ND		125	156		ug/L		125	72 - 134	0	15
Chlorobenzene	ND		125	137		ug/L		110	80 - 120	0	25
Chloroethane	ND		125	125		ug/L		100	69 - 136	7	15
Chloroform	ND		125	134		ug/L		107	73 - 127	3	20
Chloromethane	ND		125	143		ug/L		115	68 - 124	3	15
cis-1,2-Dichloroethene	ND		125	132		ug/L		106	74 - 124	3	15
cis-1,3-Dichloropropene	ND		125	137		ug/L		110	74 - 124	3	15
Cyclohexane	ND		125	145		ug/L		116	59 - 135	5	20
Dibromochloromethane	ND		125	151		ug/L		121	75 - 125	4	15
Dichlorodifluoromethane	ND	F1	125	167		ug/L		134	59 - 135	4	20
Ethylbenzene	ND		125	143		ug/L		115	77 - 123	2	15
Isopropylbenzene	26		125	175		ug/L		119	77 - 122	1	20
Methyl acetate	ND		250	263		ug/L		105	74 - 133	0	20
Methyl tert-butyl ether	ND		125	133		ug/L		107	77 - 120	0	37
Methylcyclohexane	ND		125	147		ug/L		117	68 - 134	4	20
Methylene Chloride	ND		125	139		ug/L		112	75 - 124	1	15
N-Propylbenzene	14		125	158		ug/L		115	75 - 127	0	15
Styrene	ND	F1	125	152	F1	ug/L		122	80 - 120	2	20
Tetrachloroethene	ND		125	147		ug/L		117	74 - 122	1	20
Toluene	ND		125	139		ug/L		111	80 - 122	1	15
trans-1,2-Dichloroethene	ND		125	138		ug/L		110	73 - 127	5	20
trans-1,3-Dichloropropene	ND		125	142		ug/L		114	80 - 120	2	15
Trichloroethene	ND		125	142		ug/L		113	74 - 123	4	16
Trichlorofluoromethane	ND	F1	125	40.8	F1	ug/L		33	62 - 150	6	20
Vinyl chloride	ND		125	142		ug/L		114	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*

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

Lab Sample ID: 480-204448-7 MSD
Matrix: Water
Analysis Batch: 652519

Client Sample ID: IW-3 MSD
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-652592/7
Matrix: Water
Analysis Batch: 652592

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 10:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 10:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 10:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 10:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 10:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 10:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 10:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 10:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 10:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 10:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 10:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 10:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 10:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 10:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 10:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 10:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 10:33	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 10:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 10:33	1
Acetone	ND		10	3.0	ug/L			12/08/22 10:33	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 10:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 10:33	1
Bromoform	ND		1.0	0.26	ug/L			12/08/22 10:33	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 10:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 10:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 10:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 10:33	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 10:33	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 10:33	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 10:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 10:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 10:33	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 10:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 10:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 10:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 10:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 10:33	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 10:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 10:33	1

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

Lab Sample ID: MB 480-652592/7
Matrix: Water
Analysis Batch: 652592

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 10:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 10:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 10:33	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 10:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 10:33	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 10:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 10:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 10:33	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 10:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 10:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 10:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 10:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/08/22 10:33*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*12/08/22 10:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/08/22 10:33*	*1*

Lab Sample ID: LCS 480-652592/5
Matrix: Water
Analysis Batch: 652592

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	28.1		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.3		ug/L		93	61 - 148
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	25.7		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	24.1		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	26.3		ug/L		105	79 - 122
1,2,4-Trimethylbenzene	25.0	27.1		ug/L		109	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	28.7		ug/L		115	56 - 134
1,2-Dibromoethane	25.0	26.2		ug/L		105	77 - 120
1,2-Dichlorobenzene	25.0	25.9		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	24.4		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		104	76 - 120
1,3,5-Trimethylbenzene	25.0	27.7		ug/L		111	77 - 121
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 120
2-Butanone (MEK)	125	111		ug/L		89	57 - 140
2-Hexanone	125	122		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	100		ug/L		80	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromodichloromethane	25.0	27.2		ug/L		109	80 - 122
Bromoform	25.0	34.0	*+	ug/L		136	61 - 132
Bromomethane	25.0	25.0		ug/L		100	55 - 144

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

Lab Sample ID: LCS 480-652592/5
Matrix: Water
Analysis Batch: 652592

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	29.8		ug/L		119	72 - 134
Chlorobenzene	25.0	26.1		ug/L		104	80 - 120
Chloroethane	25.0	25.1		ug/L		101	69 - 136
Chloroform	25.0	25.4		ug/L		102	73 - 127
Chloromethane	25.0	28.4		ug/L		114	68 - 124
cis-1,2-Dichloroethene	25.0	25.6		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.9		ug/L		108	74 - 124
Cyclohexane	25.0	24.5		ug/L		98	59 - 135
Dibromochloromethane	25.0	30.7		ug/L		123	75 - 125
Dichlorodifluoromethane	25.0	26.7		ug/L		107	59 - 135
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
Isopropylbenzene	25.0	27.3		ug/L		109	77 - 122
Methyl acetate	50.0	40.0		ug/L		80	74 - 133
Methyl tert-butyl ether	25.0	24.3		ug/L		97	77 - 120
Methylcyclohexane	25.0	24.7		ug/L		99	68 - 134
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124
N-Propylbenzene	25.0	27.3		ug/L		109	75 - 127
Styrene	25.0	26.7		ug/L		107	80 - 120
Tetrachloroethene	25.0	27.9		ug/L		111	74 - 122
Toluene	25.0	26.3		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	27.9		ug/L		112	80 - 120
Trichloroethene	25.0	26.6		ug/L		107	74 - 123
Trichlorofluoromethane	25.0	26.5		ug/L		106	62 - 150
Vinyl chloride	25.0	27.6		ug/L		110	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 480-204448-7 MS
Matrix: Water
Analysis Batch: 652592

Client Sample ID: IW-3 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane - DL	ND		1250	1360		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane - DL	ND		1250	1330		ug/L		106	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		1250	1330		ug/L		107	61 - 148
1,1,2-Trichloroethane - DL	ND		1250	1340		ug/L		107	76 - 122
1,1-Dichloroethane - DL	ND		1250	1330		ug/L		107	77 - 120
1,1-Dichloroethene - DL	ND		1250	1260		ug/L		101	66 - 127
1,2,4-Trichlorobenzene - DL	ND		1250	1390		ug/L		112	79 - 122
1,2,4-Trimethylbenzene - DL	1500		1250	3000		ug/L		116	76 - 121

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

Lab Sample ID: 480-204448-7 MS
Matrix: Water
Analysis Batch: 652592

Client Sample ID: IW-3 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane - DL	ND		1250	1540		ug/L		123	56 - 134
1,2-Dibromoethane - DL	ND		1250	1370		ug/L		110	77 - 120
1,2-Dichlorobenzene - DL	ND		1250	1360		ug/L		109	80 - 124
1,2-Dichloroethane - DL	ND		1250	1340		ug/L		107	75 - 120
1,2-Dichloropropane - DL	ND		1250	1380		ug/L		111	76 - 120
1,3,5-Trimethylbenzene - DL	940		1250	2370		ug/L		114	77 - 121
1,3-Dichlorobenzene - DL	ND		1250	1360		ug/L		108	77 - 120
1,4-Dichlorobenzene - DL	ND		1250	1290		ug/L		104	78 - 124
2-Butanone (MEK) - DL	ND		6250	7580		ug/L		121	57 - 140
2-Hexanone - DL	ND		6250	7050		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK) - DL	ND		6250	6810		ug/L		109	71 - 125
Acetone - DL	ND	F2	6250	7670		ug/L		123	56 - 142
Benzene - DL	ND		1250	1360		ug/L		109	71 - 124
Bromodichloromethane - DL	ND		1250	1410		ug/L		113	80 - 122
Bromoform - DL	ND	*+	1250	1590		ug/L		128	61 - 132
Bromomethane - DL	ND		1250	1450		ug/L		116	55 - 144
Carbon disulfide - DL	ND		1250	1240		ug/L		99	59 - 134
Carbon tetrachloride - DL	ND		1250	1480		ug/L		118	72 - 134
Chlorobenzene - DL	ND		1250	1360		ug/L		109	80 - 120
Chloroethane - DL	ND		1250	1380		ug/L		110	69 - 136
Chloroform - DL	ND		1250	1320		ug/L		105	73 - 127
Chloromethane - DL	ND		1250	1270		ug/L		102	68 - 124
cis-1,2-Dichloroethene - DL	ND		1250	1280		ug/L		103	74 - 124
cis-1,3-Dichloropropene - DL	ND		1250	1380		ug/L		111	74 - 124
Cyclohexane - DL	ND		1250	1380		ug/L		111	59 - 135
Dibromochloromethane - DL	ND		1250	1510		ug/L		121	75 - 125
Dichlorodifluoromethane - DL	ND		1250	1480		ug/L		118	59 - 135
Ethylbenzene - DL	ND		1250	1390		ug/L		111	77 - 123
Isopropylbenzene - DL	ND		1250	1420		ug/L		114	77 - 122
Methyl acetate - DL	ND		2500	2550		ug/L		102	74 - 133
Methyl tert-butyl ether - DL	ND		1250	1290		ug/L		103	77 - 120
Methylcyclohexane - DL	ND		1250	1380		ug/L		110	68 - 134
Methylene Chloride - DL	ND		1250	1300		ug/L		104	75 - 124
N-Propylbenzene - DL	ND		1250	1400		ug/L		112	75 - 127
Styrene - DL	ND		1250	1430		ug/L		115	80 - 120
Tetrachloroethene - DL	ND		1250	1390		ug/L		111	74 - 122
Toluene - DL	ND		1250	1360		ug/L		108	80 - 122
trans-1,2-Dichloroethene - DL	ND		1250	1310		ug/L		105	73 - 127
trans-1,3-Dichloropropene - DL	ND		1250	1420		ug/L		114	80 - 120
Trichloroethene - DL	ND		1250	1370		ug/L		109	74 - 123
Trichlorofluoromethane - DL	ND		1250	1450		ug/L		116	62 - 150
Vinyl chloride - DL	ND		1250	1360		ug/L		109	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr) - DL	*104*		*77 - 120*

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

Lab Sample ID: 480-204448-7 MS
Matrix: Water
Analysis Batch: 652592

Client Sample ID: IW-3 MS
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr) - DL	*102*		*73 - 120*
Dibromofluoromethane (Surr) - DL	*101*		*75 - 123*
Toluene-d8 (Surr) - DL	*99*		*80 - 120*

Lab Sample ID: 480-204448-7 MSD
Matrix: Water
Analysis Batch: 652592

Client Sample ID: IW-3 MSD
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 - DL	ND		1250	1460		ug/L		117	73 - 126	8	15
1,1,2,2-Tetrachloroethane - DL	ND		1250	1330		ug/L		106	76 - 120	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		1250	1350		ug/L		108	61 - 148	1	20
1,1,2-Trichloroethane - DL	ND		1250	1340		ug/L		107	76 - 122	0	15
1,1-Dichloroethane - DL	ND		1250	1340		ug/L		107	77 - 120	1	20
1,1-Dichloroethene - DL	ND		1250	1310		ug/L		104	66 - 127	4	16
1,2,4-Trichlorobenzene - DL	ND		1250	1370		ug/L		110	79 - 122	2	20
1,2,4-Trimethylbenzene - DL	1500		1250	2970		ug/L		114	76 - 121	1	20
1,2-Dibromo-3-Chloropropane - DL	ND		1250	1450		ug/L		116	56 - 134	6	15
1,2-Dibromoethane - DL	ND		1250	1370		ug/L		110	77 - 120	0	15
1,2-Dichlorobenzene - DL	ND		1250	1360		ug/L		109	80 - 124	0	20
1,2-Dichloroethane - DL	ND		1250	1300		ug/L		104	75 - 120	3	20
1,2-Dichloropropane - DL	ND		1250	1370		ug/L		109	76 - 120	1	20
1,3,5-Trimethylbenzene - DL	940		1250	2420		ug/L		118	77 - 121	2	20
1,3-Dichlorobenzene - DL	ND		1250	1360		ug/L		109	77 - 120	1	20
1,4-Dichlorobenzene - DL	ND		1250	1320		ug/L		105	78 - 124	2	20
2-Butanone (MEK) - DL	ND		6250	6750		ug/L		108	57 - 140	12	20
2-Hexanone - DL	ND		6250	6800		ug/L		109	65 - 127	4	15
4-Methyl-2-pentanone (MIBK) - DL	ND		6250	6670		ug/L		107	71 - 125	2	35
Acetone - DL	ND	F2	6250	5800	F2	ug/L		93	56 - 142	28	15
Benzene - DL	ND		1250	1350		ug/L		108	71 - 124	1	13
Bromodichloromethane - DL	ND		1250	1420		ug/L		113	80 - 122	1	15
Bromoform - DL	ND	*+	1250	1650		ug/L		132	61 - 132	4	15
Bromomethane - DL	ND		1250	1370		ug/L		110	55 - 144	6	15
Carbon disulfide - DL	ND		1250	1290		ug/L		103	59 - 134	4	15
Carbon tetrachloride - DL	ND		1250	1550		ug/L		124	72 - 134	5	15
Chlorobenzene - DL	ND		1250	1360		ug/L		108	80 - 120	0	25
Chloroethane - DL	ND		1250	1370		ug/L		109	69 - 136	1	15
Chloroform - DL	ND		1250	1330		ug/L		106	73 - 127	1	20
Chloromethane - DL	ND		1250	1430		ug/L		115	68 - 124	12	15
cis-1,2-Dichloroethene - DL	ND		1250	1300		ug/L		104	74 - 124	2	15
cis-1,3-Dichloropropene - DL	ND		1250	1400		ug/L		112	74 - 124	1	15
Cyclohexane - DL	ND		1250	1410		ug/L		113	59 - 135	2	20
Dibromochloromethane - DL	ND		1250	1540		ug/L		123	75 - 125	2	15
Dichlorodifluoromethane - DL	ND		1250	1610		ug/L		129	59 - 135	8	20
Ethylbenzene - DL	ND		1250	1420		ug/L		113	77 - 123	2	15

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

Lab Sample ID: 480-204448-7 MSD
Matrix: Water
Analysis Batch: 652592

Client Sample ID: IW-3 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isopropylbenzene - DL	ND		1250	1450		ug/L		116	77 - 122	2	20
Methyl acetate - DL	ND		2500	2750		ug/L		110	74 - 133	8	20
Methyl tert-butyl ether - DL	ND		1250	1290		ug/L		103	77 - 120	0	37
Methylcyclohexane - DL	ND		1250	1420		ug/L		114	68 - 134	3	20
Methylene Chloride - DL	ND		1250	1350		ug/L		108	75 - 124	4	15
N-Propylbenzene - DL	ND		1250	1440		ug/L		115	75 - 127	3	15
Styrene - DL	ND		1250	1410		ug/L		113	80 - 120	2	20
Tetrachloroethene - DL	ND		1250	1440		ug/L		115	74 - 122	4	20
Toluene - DL	ND		1250	1360		ug/L		109	80 - 122	1	15
trans-1,2-Dichloroethene - DL	ND		1250	1370		ug/L		109	73 - 127	4	20
trans-1,3-Dichloropropene - DL	ND		1250	1410		ug/L		113	80 - 120	1	15
Trichloroethene - DL	ND		1250	1410		ug/L		113	74 - 123	3	16
Trichlorofluoromethane - DL	ND		1250	1480		ug/L		119	62 - 150	2	20
Vinyl chloride - DL	ND		1250	1480		ug/L		118	65 - 133	8	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr) - DL	*101*		*77 - 120*
4-Bromofluorobenzene (Surr) - DL	*101*		*73 - 120*
Dibromofluoromethane (Surr) - DL	*102*		*75 - 123*
Toluene-d8 (Surr) - DL	*99*		*80 - 120*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

GC/MS VOA

Analysis Batch: 652519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204448-2	VRI-1	Total/NA	Water	8260C	
480-204448-3	IW-6	Total/NA	Water	8260C	
480-204448-6	VRI-4	Total/NA	Water	8260C	
480-204448-7	IW-3	Total/NA	Water	8260C	
MB 480-652519/7	Method Blank	Total/NA	Water	8260C	
LCS 480-652519/5	Lab Control Sample	Total/NA	Water	8260C	
480-204448-7 MS	IW-3 MS	Total/NA	Water	8260C	
480-204448-7 MSD	IW-3 MSD	Total/NA	Water	8260C	

Analysis Batch: 652592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204448-1	VRI-9	Total/NA	Water	8260C	
480-204448-2 - DL	VRI-1	Total/NA	Water	8260C	
480-204448-4	GT-14	Total/NA	Water	8260C	
480-204448-5	VRI-3	Total/NA	Water	8260C	
480-204448-7 - DL	IW-3	Total/NA	Water	8260C	
480-204448-8	GT-9R	Total/NA	Water	8260C	
480-204448-9	GT-16	Total/NA	Water	8260C	
480-204448-10	DUP-120122-1	Total/NA	Water	8260C	
480-204448-11	EQUIPMENT BLANK-120122-1	Total/NA	Water	8260C	
480-204448-12	TRIP BLANK-120122-1	Total/NA	Water	8260C	
MB 480-652592/7	Method Blank	Total/NA	Water	8260C	
LCS 480-652592/5	Lab Control Sample	Total/NA	Water	8260C	
480-204448-7 MS - DL	IW-3 MS	Total/NA	Water	8260C	
480-204448-7 MSD - DL	IW-3 MSD	Total/NA	Water	8260C	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Client Sample ID: VRI-9
Date Collected: 12/01/22 14:03
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652592	CB	EET BUF	12/08/22 14:45

Client Sample ID: VRI-1
Date Collected: 12/01/22 15:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		20	652519	CB	EET BUF	12/07/22 21:22
Total/NA	Analysis	8260C	DL	100	652592	CB	EET BUF	12/08/22 15:08

Client Sample ID: IW-6
Date Collected: 12/01/22 16:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		200	652519	CB	EET BUF	12/07/22 21:45

Client Sample ID: GT-14
Date Collected: 12/02/22 11:36
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652592	CB	EET BUF	12/08/22 15:30

Client Sample ID: VRI-3
Date Collected: 12/02/22 12:27
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652592	CB	EET BUF	12/08/22 15:53

Client Sample ID: VRI-4
Date Collected: 12/02/22 13:26
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652519	CB	EET BUF	12/07/22 22:52

Client Sample ID: IW-3
Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	652519	CB	EET BUF	12/07/22 23:14
Total/NA	Analysis	8260C	DL	50	652592	CB	EET BUF	12/08/22 16:16

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Client Sample ID: GT-9R
Lab Sample ID: 480-204448-8
Date Collected: 12/02/22 17:05
Matrix: Water
Date Received: 12/06/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652592	CB	EET BUF	12/08/22 16:38

Client Sample ID: GT-16
Lab Sample ID: 480-204448-9
Date Collected: 12/02/22 14:55
Matrix: Water
Date Received: 12/06/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652592	CB	EET BUF	12/08/22 17:01

Client Sample ID: DUP-120122-1
Lab Sample ID: 480-204448-10
Date Collected: 12/02/22 00:00
Matrix: Water
Date Received: 12/06/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		100	652592	CB	EET BUF	12/08/22 17:23

Client Sample ID: EQUIPMENT BLANK-120122-1
Lab Sample ID: 480-204448-11
Date Collected: 12/01/22 13:03
Matrix: Water
Date Received: 12/06/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652592	CB	EET BUF	12/08/22 17:46

Client Sample ID: TRIP BLANK-120122-1
Lab Sample ID: 480-204448-12
Date Collected: 12/01/22 00:00
Matrix: Water
Date Received: 12/06/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	652592	CB	EET BUF	12/08/22 18:08

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: GE Riverview

Job ID: 480-204448-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-204448-1	VRI-9	Water	12/01/22 14:03	12/06/22 11:00
480-204448-2	VRI-1	Water	12/01/22 15:35	12/06/22 11:00
480-204448-3	IW-6	Water	12/01/22 16:35	12/06/22 11:00
480-204448-4	GT-14	Water	12/02/22 11:36	12/06/22 11:00
480-204448-5	VRI-3	Water	12/02/22 12:27	12/06/22 11:00
480-204448-6	VRI-4	Water	12/02/22 13:26	12/06/22 11:00
480-204448-7	IW-3	Water	12/02/22 10:22	12/06/22 11:00
480-204448-8	GT-9R	Water	12/02/22 17:05	12/06/22 11:00
480-204448-9	GT-16	Water	12/02/22 14:55	12/06/22 11:00
480-204448-10	DUP-120122-1	Water	12/02/22 00:00	12/06/22 11:00
480-204448-11	EQUIPMENT BLANK-120122-1	Water	12/01/22 13:03	12/06/22 11:00
480-204448-12	TRIP BLANK-120122-1	Water	12/01/22 00:00	12/06/22 11:00

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

Albany #224

eurofins | Environment Testing America

Client Information	Sampler: Andrew Gibson	Lab PM: John R Schove	Carrier Tracking No(s):	COC No: 12012022-1
Client Contact: Suzy Walls	Phone: (518) 588-1077	E-Mail: john.schove@eurofinset.com	State of Origin:	Page: 1 of 2
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 11400 Parkside Drive Suite 410	Due Date Requested: 12/20/2022			
City: Knoxville	TAT Requested (days): Standard			
State, Zip: TN, 37934	Compliance Project: Δ Yes Δ No			
Phone: (865) 621-9474	PO #: AP086277.3000.3000S			
Email: suzy.walls@arcadis.com	WO #:			
Project Name: GE Riverview	Project #: 48017317			
Site:	SSOW#:			

Analysis Requested

480-204448 Chain of Custody

Preservation Codes:

A - HCL
B - NaOH
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260c - Site Specific VOCs	Total Number of cont	Special Instructions/Note:
			Preservation Code:						
VRI-9	12/1/22	1403	G	W	N	N	X	3	
VRI-1	12/1/22	1535	G	W	N	N	X	3	
IW-6	12/1/22	1635	G	W	N	N	X	3	
GT-14	12/2/22	1136	G	W	N	N	X	3	
VRI-3	12/2/22	1227	G	W	N	N	X	3	
VRI-4	12/2/22	1326	G	W	N	N	X	3	
IW-3	12/2/22	1022	G	W	N	Y	X	3	
IW-3 MS	12/2/22	1022	G	W	N	Y	X	3	
IW-3 MSD	12/2/22	1022	G	W	N	Y	X	3	
GT-9R	12/2/22	1705	G	W	N	N	X	3	
GT-16	12/2/22	1455	G	W	N	N	X	3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: Fedex ground

	Date/Time:	Company		Date/Time:	Company
Relinquished by:	12/5/22/1108	Arcadis	Received by:	12-5-22 1108	EETN
Relinquished by:	12-5-2022 1500	EETN	Received by:	12/6/22 1100	TA
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4 # ICE

Ver: 01/16/2019

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Albany #224

eurofins

Chain of Custody Record

Client Information	Sampler: Andrew Gibson	Lab PM: John R Schove	Carrier Tracking No(s):	COC No: 12012022-1
Client Contact: Suzy Walls	Phone: (518) 588-1077	E-Mail: john.schove@eurofinset.com	State of Origin:	Page: 2 of 2
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 11400 Parkside Drive Suite 410	Due Date Requested: 12/20/2022			
City: Knoxville	TAT Requested (days): Standard			
State, Zip: TN, 37934	Compliance Project: Δ Yes Δ No			
Phone: (865) 621-9474	PO #: AP086277.3000.3000S			
Email: suzy.walls@arcadis.com	WO #:			
Project Name: GE Riverview	Project #: 48017317			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260c - Site Specific VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X		X	
DUP-120122-1	12/2/22	---	G	W	N	N	X	3	
EQUIPMENT BLANK-120122-1	12/1/22	1303	G	W	N	N	X	3	
TRIP BLANK-120122-1	12/1/22	---	G	W	N	N	X	3	

TMC

12-5-22

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/5/22/1108	Arcadis	Tim Keller	12-5-22 1108	EETN
2	Tim Keller	12-5-2022 1500	EETN	[signature]	12/6/22 1100	TA
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

12/19/2022

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 480-204448-1

Login Number: 204448
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Appendix C

Data Usability Summary Report

GE Riverview

Data Usability Summary Report

Rotterdam, New York

Volatile Organic Compound (VOC) Analysis

SDG # 480-204448-1

Analyses Performed By:
Eurofins TestAmerica
Buffalo, New York, USA

Report #48965R
Review Level: Tier III
Project: 30006483.000NB

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) #480-204448-1 for samples collected in association with the GE Riverview Site in Rotterdam, NY. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis
					VOC
VRI-9	480-204448-1	Water	12/01/2022		X
VRI-1	480-204448-2	Water	12/01/2022		X
IW-6	480-204448-3	Water	12/01/2022		X
GT-14	480-204448-4	Water	12/02/2022		X
VRI-3	480-204448-5	Water	12/02/2022		X
VRI-4	480-204448-6	Water	12/02/2022		X
IW-3	480-204448-7	Water	12/02/2022		X
GT-9R	480-204448-8	Water	12/02/2022		X
GT-16	480-204448-9	Water	12/02/2022		X
DUP-120122-1	480-204448-10	Water	12/02/2022	VRI-1	X
EQUIPMENT BLANK-120122-1	480-204448-11	Water	12/01/2022		X
TRIP BLANK-120122-1	480-204448-12	Water	12/01/2022		X

Note:
VOC = Volatile Organic Compounds

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C. Data were reviewed in accordance with the USEPA Region II validation guidelines *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260C* (SOP #HW-24, October 2006); the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review* (November 2020); and the USEPA *Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6°C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

QA blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample ID	Initial/Continuing	Compounds	Criteria
VRI-9 VRI-1 IW-6 GT-14 VRI-3 VRI-4 IW-3 GT-9R GT-16 DUP-120122-1 EQUIPMENT BLANK-120122-1 TRIP BLANK-120122-1	ICV %D	Acetone	-24.2%
		Bromoform	+26.2%
VRI-9 GT-14 VRI-3 GT-9R GT-16 DUP-120122-1 EQUIPMENT BLANK-120122-1 TRIP BLANK-120122-1	CCV %D	Bromoform	+31.8%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	

Initial/Continuing	Criteria	Sample Result	Qualification
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Initial Calibration Verification (ICV) / Continuing Calibration Verification (CCV)	%D >20% (increase/increase in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample IW-3 exhibiting recoveries outside of the control limits presented in the following table.

Sample ID	Compounds	MS Recovery	MSD Recovery
IW-3	Bromoform	> UL	> UL
	Dichlorodifluoromethane	> UL	AC
	Styrene	> UL	> UL
	Trichlorofluoromethane	< LL but > 10%	< LL but > 10%

Notes:
LL = Lower control limit
UL = Upper control limit
AC = Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
SR>4X: Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

Samples associated with LCS analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample ID	Batch	Compound	LCS Recovery
VRI-9 GT-14 VRI-3 GT-9R GT-16 DUP-120122-1 EQUIPMENT BLANK-120122-1 TRIP BLANK-120122-1	652592	Bromoform	> UL

Note:
UL = Upper control limit

The criteria used to evaluate the LCS recoveries are presented in the following table. In the case of an LCS deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
VRI-1 / DUP-120122-1	1,2,4-Trimethylbenzene	4500	4400	2.2%
	1,3,5-Trimethylbenzene	2600	2500	3.9%
	Acetone	370	340 J	AC

Sample ID / Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
	Ethylbenzene	280	270	AC
	Isopropylbenzene	280	270	AC
	n-Propylbenzene	210	210	AC
	Total Xylenes	4400	4000	9.5%

Note:
AC = Acceptable

The results and calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compounds	Original Analysis	Diluted Analysis	Reported Analysis
VRI-1	1,2,4-Trimethylbenzene	4600 E	4500	4500 D
	1,3,5-Trimethylbenzene	2600 E	2600	2600 D
	Total Xylenes	4500 E	4400	4400 D
IW-3	1,2,4-Trimethylbenzene	1500 E	1500	1500 D
	1,3,5-Trimethylbenzene	1000 E	940	940 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment/Field blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate(MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial calibration %Ds		X	X		
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]				Non-compliance
					VOC	SVOC	PFAS	MISC	
480-204448-1	12/01/2022	SW846/SM	VRI-9	Water	no	--	--	--	VOC – ICV %D, CCV %D
	12/01/2022	SW846/SM	VRI-1	Water	no	--	--	--	VOC – ICV %D
	12/01/2022	SW846/SM	IW-6	Water	no	--	--	--	VOC – ICV %D
	12/02/2022	SW846/SM	GT-14	Water	no	--	--	--	VOC – ICV %D, CCV %D
	12/02/2022	SW846/SM	VRI-3	Water	no	--	--	--	VOC – ICV %D, CCV %D
	12/02/2022	SW846/SM	VRI-4	Water	no	--	--	--	VOC – ICV %D
	12/02/2022	SW846/SM	IW-3	Water	no	--	--	--	VOC – ICV %D, MS/MSD %R
	12/02/2022	SW846/SM	GT-9R	Water	no	--	--	--	VOC – ICV %D, CCV %D
	12/02/2022	SW846/SM	GT-16	Water	no	--	--	--	VOC – ICV %D, CCV %D
	12/02/2022	SW846/SM	DUP-120122-1	Water	no	--	--	--	VOC – ICV %D, CCV %D
	12/01/2022	SW846/SM	EQUIPMENT BLANK-120122-1	Water	no	--	--	--	VOC – ICV %D, CCV %D
	12/01/2022	SW846/SM	TRIP BLANK-120122-1	Water	no	--	--	--	VOC – ICV %D, CCV %D

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Pruthvi Kumar C

SIGNATURE: 

DATE: March 14, 2023

PEER REVIEW: Andrew Korycinski

DATE: March 15, 2023

Chain of Custody Corrected Sample Analysis Data Sheets

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

Albany #224

eurofins Environment Testing America

Client Information	Sampler: Andrew Gibson	Lab PM: John R Schove	Carrier Tracking No(s):	COC No: 12012022-1
Client Contact: Suzy Walls	Phone: (518) 588-1077	E-Mail: john.schove@eurofinset.com	State of Origin:	Page: 1 of 2
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 11400 Parkside Drive Suite 410	Due Date Requested: 12/20/2022	Analysis Requested		Preservation Codes:
City: Knoxville	TAT Requested (days): Standard			A - HCL, B - NaOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: TN, 37934	Compliance Project: Δ Yes Δ No			
Phone: (865) 621-9474	PO #: AP086277.3000.3000S			
Email: suzy.walls@arcadis.com	WO #:			
Project Name: GE Riverview	Project #: 48017317			Other:
Site:	SSOW#:			

480-204448 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260c - Site Specific VOCs	Total Number of conta	Special Instructions/Note:
			Preservation Code:						
VRI-9	12/1/22	1403	G	W	N	N	X	3	
VRI-1	12/1/22	1535	G	W	N	N	X	3	
IW-6	12/1/22	1635	G	W	N	N	X	3	
GT-14	12/2/22	1136	G	W	N	N	X	3	
VRI-3	12/2/22	1227	G	W	N	N	X	3	
VRI-4	12/2/22	1326	G	W	N	N	X	3	
IW-3	12/2/22	1022	G	W	N	Y	X	3	
IW-3 MS	12/2/22	1022	G	W	N	Y	X	3	
IW-3 MSD	12/2/22	1022	G	W	N	Y	X	3	
GT-9R	12/2/22	1705	G	W	N	N	X	3	
GT-16	12/2/22	1455	G	W	N	N	X	3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: fedex ground

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		12/5/22/1108	Arcadis	Tim Mueller	12-5-22 1108	EETN
2	Tim Mueller	12-5-2022 1500	EETN		12/6/22 1100	TA
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4 # ICE

Ver: 01/16/2019

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

Albany #224

eurofins

Client Information	Sampler: Andrew Gibson	Lab PM: John R Schove	Carrier Tracking No(s):	COC No: 12012022-1
Client Contact: Suzy Walls	Phone: (518) 588-1077	E-Mail: john.schove@eurofinset.com	State of Origin:	Page: 2 of 2
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 11400 Parkside Drive Suite 410	Due Date Requested: 12/20/2022			
City: Knoxville	TAT Requested (days): Standard			
State, Zip: TN, 37934	Compliance Project: Δ Yes Δ No			
Phone: (865) 621-9474	PO #: AP086277.3000.3000S			
Email: suzy.walls@arcadis.com	WO #:			
Project Name: GE Riverview	Project #: 48017317			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260c - Site Specific VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
DUP-120122-1	12/2/22	---	G	W	N	N	X	3	
EQUIPMENT BLANK-120122-1	12/1/22	1303	G	W	N	N	X	3	
TRIP BLANK-120122-1	12/1/22	---	G	W	N	N	X	3	

TRIP 12-5-22

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/5/22/1108	Arcadis	Tim Muller	12-5-22 1108	EETN
2	Tim Muller	12-5-2022 1500	EETN	[signature]	12/6/22 1100	TAL
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: VRI-9

Date Collected: 12/01/22 14:03
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-1

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 14:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 14:45	1
1,2,4-Trimethylbenzene	**3.7**		1.0	0.75	ug/L			12/08/22 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 14:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 14:45	1
1,3,5-Trimethylbenzene	**1.8**		1.0	0.77	ug/L			12/08/22 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 14:45	1
Acetone	ND	UJ	10	3.0	ug/L			12/08/22 14:45	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 14:45	1
Bromoform	ND	*+ UJ	1.0	0.26	ug/L			12/08/22 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 14:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 14:45	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 14:45	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 14:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 14:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 14:45	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 14:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 14:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 14:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 14:45	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 14:45	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 14:45	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 14:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 14:45	1

Client Sample ID: VRI-9

Date Collected: 12/01/22 14:03
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 14:45	1
Xylenes, Total	**0.85**	**J**	2.0	0.66	ug/L			12/08/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/08/22 14:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/08/22 14:45*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/08/22 14:45*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/08/22 14:45*	*1*

Client Sample ID: VRI-1

Date Collected: 12/01/22 15:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/07/22 21:22	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/07/22 21:22	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/07/22 21:22	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/07/22 21:22	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/07/22 21:22	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/07/22 21:22	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/07/22 21:22	20
1,2,4-Trimethylbenzene	**4600**	**E**	20	15	ug/L			12/07/22 21:22	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/07/22 21:22	20
1,2-Dibromoethane	ND		20	15	ug/L			12/07/22 21:22	20
1,2-Dichlorobenzene	ND		20	16	ug/L			12/07/22 21:22	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/07/22 21:22	20
1,2-Dichloropropane	ND		20	14	ug/L			12/07/22 21:22	20
1,3,5-Trimethylbenzene	**2600**	**E**	20	15	ug/L			12/07/22 21:22	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/07/22 21:22	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/07/22 21:22	20
2-Butanone (MEK)	ND		200	26	ug/L			12/07/22 21:22	20
2-Hexanone	ND		100	25	ug/L			12/07/22 21:22	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/07/22 21:22	20
Acetone	**370**	**J**	200	60	ug/L			12/07/22 21:22	20
Benzene	ND		20	8.2	ug/L			12/07/22 21:22	20
Bromodichloromethane	ND		20	7.8	ug/L			12/07/22 21:22	20
Bromoform	ND	UJ	20	5.2	ug/L			12/07/22 21:22	20
Bromomethane	ND		20	14	ug/L			12/07/22 21:22	20
Carbon disulfide	ND		20	3.8	ug/L			12/07/22 21:22	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/07/22 21:22	20
Chlorobenzene	ND		20	15	ug/L			12/07/22 21:22	20
Chloroethane	ND		20	6.4	ug/L			12/07/22 21:22	20
Chloroform	ND		20	6.8	ug/L			12/07/22 21:22	20
Chloromethane	ND		20	7.0	ug/L			12/07/22 21:22	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			12/07/22 21:22	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/07/22 21:22	20
Cyclohexane	ND		20	3.6	ug/L			12/07/22 21:22	20
Dibromochloromethane	ND		20	6.4	ug/L			12/07/22 21:22	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/07/22 21:22	20

Client Sample ID: VRI-1

Date Collected: 12/01/22 15:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**280**		20	15	ug/L			12/07/22 21:22	20
Isopropylbenzene	**280**		20	16	ug/L			12/07/22 21:22	20
Methyl acetate	ND		50	26	ug/L			12/07/22 21:22	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/07/22 21:22	20
Methylcyclohexane	ND		20	3.2	ug/L			12/07/22 21:22	20
Methylene Chloride	ND		20	8.8	ug/L			12/07/22 21:22	20
N-Propylbenzene	**210**		20	14	ug/L			12/07/22 21:22	20
Styrene	ND		20	15	ug/L			12/07/22 21:22	20
Tetrachloroethene	ND		20	7.2	ug/L			12/07/22 21:22	20
Toluene	ND		20	10	ug/L			12/07/22 21:22	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/07/22 21:22	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/07/22 21:22	20
Trichloroethene	ND		20	9.2	ug/L			12/07/22 21:22	20
Trichlorofluoromethane	ND		20	18	ug/L			12/07/22 21:22	20
Vinyl chloride	ND		20	18	ug/L			12/07/22 21:22	20
Xylenes, Total	**4500**	**E**	40	13	ug/L			12/07/22 21:22	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/07/22 21:22*	*20*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/07/22 21:22*	*20*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/07/22 21:22*	*20*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/07/22 21:22*	*20*

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			12/08/22 15:08	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			12/08/22 15:08	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			12/08/22 15:08	100
1,1,2-Trichloroethane	ND		100	23	ug/L			12/08/22 15:08	100
1,1-Dichloroethane	ND		100	38	ug/L			12/08/22 15:08	100
1,1-Dichloroethene	ND		100	29	ug/L			12/08/22 15:08	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			12/08/22 15:08	100
1,2,4-Trimethylbenzene	**4500**	**D**	100	75	ug/L			12/08/22 15:08	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			12/08/22 15:08	100
1,2-Dibromoethane	ND		100	73	ug/L			12/08/22 15:08	100
1,2-Dichlorobenzene	ND		100	79	ug/L			12/08/22 15:08	100
1,2-Dichloroethane	ND		100	21	ug/L			12/08/22 15:08	100
1,2-Dichloropropane	ND		100	72	ug/L			12/08/22 15:08	100
1,3,5-Trimethylbenzene	**2600**	**D**	100	77	ug/L			12/08/22 15:08	100
1,3-Dichlorobenzene	ND		100	78	ug/L			12/08/22 15:08	100
1,4-Dichlorobenzene	ND		100	84	ug/L			12/08/22 15:08	100
2-Butanone (MEK)	ND		1000	130	ug/L			12/08/22 15:08	100
2-Hexanone	ND		500	120	ug/L			12/08/22 15:08	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			12/08/22 15:08	100
Acetone	**440**	**J**	1000	300	ug/L			12/08/22 15:08	100
Benzene	ND		100	41	ug/L			12/08/22 15:08	100
Bromodichloromethane	ND		100	39	ug/L			12/08/22 15:08	100
Bromoform	ND	*+	100	26	ug/L			12/08/22 15:08	100
Bromomethane	ND		100	69	ug/L			12/08/22 15:08	100
Carbon disulfide	ND		100	19	ug/L			12/08/22 15:08	100

Client Sample ID: VRI-1

Date Collected: 12/01/22 15:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		100	27	ug/L			12/08/22 15:08	100
Chlorobenzene	ND		100	75	ug/L			12/08/22 15:08	100
Chloroethane	ND		100	32	ug/L			12/08/22 15:08	100
Chloroform	ND		100	34	ug/L			12/08/22 15:08	100
Chloromethane	ND		100	35	ug/L			12/08/22 15:08	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			12/08/22 15:08	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			12/08/22 15:08	100
Cyclohexane	ND		100	18	ug/L			12/08/22 15:08	100
Dibromochloromethane	ND		100	32	ug/L			12/08/22 15:08	100
Dichlorodifluoromethane	ND		100	68	ug/L			12/08/22 15:08	100
Ethylbenzene	**290**		100	74	ug/L			12/08/22 15:08	100
Isopropylbenzene	**280**		100	79	ug/L			12/08/22 15:08	100
Methyl acetate	ND		250	130	ug/L			12/08/22 15:08	100
Methyl tert-butyl ether	ND		100	16	ug/L			12/08/22 15:08	100
Methylcyclohexane	ND		100	16	ug/L			12/08/22 15:08	100
Methylene Chloride	ND		100	44	ug/L			12/08/22 15:08	100
N-Propylbenzene	**220**		100	69	ug/L			12/08/22 15:08	100
Styrene	ND		100	73	ug/L			12/08/22 15:08	100
Tetrachloroethene	ND		100	36	ug/L			12/08/22 15:08	100
Toluene	ND		100	51	ug/L			12/08/22 15:08	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			12/08/22 15:08	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			12/08/22 15:08	100
Trichloroethene	ND		100	46	ug/L			12/08/22 15:08	100
Trichlorofluoromethane	ND		100	88	ug/L			12/08/22 15:08	100
Vinyl chloride	ND		100	90	ug/L			12/08/22 15:08	100
Xylenes, Total	**4400**	D	200	66	ug/L			12/08/22 15:08	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/08/22 15:08*	*100*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/08/22 15:08*	*100*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/08/22 15:08*	*100*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/08/22 15:08*	*100*

Client Sample ID: IW-6

Date Collected: 12/01/22 16:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-3

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			12/07/22 21:45	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			12/07/22 21:45	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			12/07/22 21:45	200
1,1,2-Trichloroethane	ND		200	46	ug/L			12/07/22 21:45	200
1,1-Dichloroethane	ND		200	76	ug/L			12/07/22 21:45	200
1,1-Dichloroethene	ND		200	58	ug/L			12/07/22 21:45	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			12/07/22 21:45	200
1,2,4-Trimethylbenzene	**11000**		200	150	ug/L			12/07/22 21:45	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			12/07/22 21:45	200
1,2-Dibromoethane	ND		200	150	ug/L			12/07/22 21:45	200
1,2-Dichlorobenzene	ND		200	160	ug/L			12/07/22 21:45	200

Client Sample ID: IW-6

Date Collected: 12/01/22 16:35
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		200	42	ug/L			12/07/22 21:45	200
1,2-Dichloropropane	ND		200	140	ug/L			12/07/22 21:45	200
1,3,5-Trimethylbenzene	**4300**		200	150	ug/L			12/07/22 21:45	200
1,3-Dichlorobenzene	ND		200	160	ug/L			12/07/22 21:45	200
1,4-Dichlorobenzene	ND		200	170	ug/L			12/07/22 21:45	200
2-Butanone (MEK)	ND		2000	260	ug/L			12/07/22 21:45	200
2-Hexanone	ND		1000	250	ug/L			12/07/22 21:45	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			12/07/22 21:45	200
Acetone	ND	UJ	2000	600	ug/L			12/07/22 21:45	200
Benzene	ND		200	82	ug/L			12/07/22 21:45	200
Bromodichloromethane	ND		200	78	ug/L			12/07/22 21:45	200
Bromoform	ND	UJ	200	52	ug/L			12/07/22 21:45	200
Bromomethane	ND		200	140	ug/L			12/07/22 21:45	200
Carbon disulfide	ND		200	38	ug/L			12/07/22 21:45	200
Carbon tetrachloride	ND		200	54	ug/L			12/07/22 21:45	200
Chlorobenzene	ND		200	150	ug/L			12/07/22 21:45	200
Chloroethane	ND		200	64	ug/L			12/07/22 21:45	200
Chloroform	ND		200	68	ug/L			12/07/22 21:45	200
Chloromethane	ND		200	70	ug/L			12/07/22 21:45	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			12/07/22 21:45	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			12/07/22 21:45	200
Cyclohexane	ND		200	36	ug/L			12/07/22 21:45	200
Dibromochloromethane	ND		200	64	ug/L			12/07/22 21:45	200
Dichlorodifluoromethane	ND		200	140	ug/L			12/07/22 21:45	200
Ethylbenzene	ND		200	150	ug/L			12/07/22 21:45	200
Isopropylbenzene	**860**		200	160	ug/L			12/07/22 21:45	200
Methyl acetate	ND		500	260	ug/L			12/07/22 21:45	200
Methyl tert-butyl ether	ND		200	32	ug/L			12/07/22 21:45	200
Methylcyclohexane	ND		200	32	ug/L			12/07/22 21:45	200
Methylene Chloride	ND		200	88	ug/L			12/07/22 21:45	200
N-Propylbenzene	**1000**		200	140	ug/L			12/07/22 21:45	200
Styrene	ND		200	150	ug/L			12/07/22 21:45	200
Tetrachloroethene	ND		200	72	ug/L			12/07/22 21:45	200
Toluene	ND		200	100	ug/L			12/07/22 21:45	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			12/07/22 21:45	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			12/07/22 21:45	200
Trichloroethene	ND		200	92	ug/L			12/07/22 21:45	200
Trichlorofluoromethane	ND		200	180	ug/L			12/07/22 21:45	200
Vinyl chloride	ND		200	180	ug/L			12/07/22 21:45	200
Xylenes, Total	**9300**		400	130	ug/L			12/07/22 21:45	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*12/07/22 21:45*	*200*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/07/22 21:45*	*200*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*12/07/22 21:45*	*200*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/07/22 21:45*	*200*

Client Sample ID: GT-14

Date Collected: 12/02/22 11:36
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-4

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 15:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 15:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 15:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 15:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 15:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 15:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 15:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 15:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 15:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 15:30	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 15:30	1
Acetone	ND	UJ	10	3.0	ug/L			12/08/22 15:30	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 15:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 15:30	1
Bromoform	ND	*+ UJ	1.0	0.26	ug/L			12/08/22 15:30	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 15:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 15:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 15:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 15:30	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 15:30	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 15:30	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 15:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 15:30	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 15:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 15:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 15:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 15:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 15:30	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 15:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 15:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 15:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 15:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 15:30	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 15:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 15:30	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 15:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 15:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 15:30	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 15:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 15:30	1

Client Sample ID: GT-14

Date Collected: 12/02/22 11:36
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 15:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/08/22 15:30*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/08/22 15:30*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*12/08/22 15:30*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/08/22 15:30*	*1*

Client Sample ID: VRI-3

Date Collected: 12/02/22 12:27
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-5

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 15:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 15:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 15:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 15:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 15:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 15:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 15:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 15:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 15:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 15:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 15:53	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 15:53	1
Acetone	ND	UJ	10	3.0	ug/L			12/08/22 15:53	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 15:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 15:53	1
Bromoform	ND	* + UJ	1.0	0.26	ug/L			12/08/22 15:53	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 15:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 15:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 15:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 15:53	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 15:53	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 15:53	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 15:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 15:53	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 15:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 15:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 15:53	1

Client Sample ID: VRI-3

Lab Sample ID: 480-204448-5

Date Collected: 12/02/22 12:27

Matrix: Water

Date Received: 12/06/22 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 15:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 15:53	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 15:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 15:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 15:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 15:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 15:53	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 15:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 15:53	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 15:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 15:53	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 15:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 15:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 15:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/08/22 15:53*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/08/22 15:53*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/08/22 15:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/08/22 15:53*	*1*

Client Sample ID: VRI-4

Lab Sample ID: 480-204448-6

Date Collected: 12/02/22 13:26

Matrix: Water

Date Received: 12/06/22 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/22 22:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/22 22:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/22 22:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/22 22:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/22 22:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/22 22:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/22 22:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/07/22 22:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/22 22:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/22 22:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/22 22:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/22 22:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/22 22:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/07/22 22:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/22 22:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/22 22:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/22 22:52	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/22 22:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/22 22:52	1
Acetone	ND	UJ	10	3.0	ug/L			12/07/22 22:52	1
Benzene	ND		1.0	0.41	ug/L			12/07/22 22:52	1

Client Sample ID: VRI-4

Date Collected: 12/02/22 13:26
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/22 22:52	1
Bromoform	ND	UJ	1.0	0.26	ug/L			12/07/22 22:52	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/22 22:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/22 22:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/22 22:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/22 22:52	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/22 22:52	1
Chloroform	ND		1.0	0.34	ug/L			12/07/22 22:52	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/22 22:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/22 22:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/22 22:52	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/22 22:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/22 22:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/22 22:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/22 22:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/22 22:52	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/22 22:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/22 22:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/22 22:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/22 22:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/07/22 22:52	1
Styrene	ND		1.0	0.73	ug/L			12/07/22 22:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/22 22:52	1
Toluene	ND		1.0	0.51	ug/L			12/07/22 22:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/22 22:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/22 22:52	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/22 22:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/22 22:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/22 22:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/22 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/07/22 22:52*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/07/22 22:52*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/07/22 22:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/07/22 22:52*	*1*

Client Sample ID: IW-3

Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/07/22 23:14	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/07/22 23:14	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/07/22 23:14	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/07/22 23:14	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/07/22 23:14	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/07/22 23:14	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/07/22 23:14	5

Client Sample ID: IW-3

Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
~~1,2,4-Trimethylbenzene~~	~~1500~~	~~E~~	~~5.0~~	~~3.8~~	~~ug/L~~			~~12/07/22 23:14~~	~~5~~
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/07/22 23:14	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/07/22 23:14	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/07/22 23:14	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/07/22 23:14	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/07/22 23:14	5
~~1,3,5-Trimethylbenzene~~	~~1000~~	~~E~~	~~5.0~~	~~3.9~~	~~ug/L~~			~~12/07/22 23:14~~	~~5~~
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/07/22 23:14	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/07/22 23:14	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/07/22 23:14	5
2-Hexanone	ND		25	6.2	ug/L			12/07/22 23:14	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/07/22 23:14	5
Acetone	**20**	**J**	50	15	ug/L			12/07/22 23:14	5
Benzene	ND		5.0	2.1	ug/L			12/07/22 23:14	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/07/22 23:14	5
Bromoform	ND	~~F1~~ UJ	5.0	1.3	ug/L			12/07/22 23:14	5
Bromomethane	ND		5.0	3.5	ug/L			12/07/22 23:14	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/07/22 23:14	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/07/22 23:14	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/07/22 23:14	5
Chloroethane	ND		5.0	1.6	ug/L			12/07/22 23:14	5
Chloroform	ND		5.0	1.7	ug/L			12/07/22 23:14	5
Chloromethane	ND		5.0	1.8	ug/L			12/07/22 23:14	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/07/22 23:14	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/07/22 23:14	5
Cyclohexane	ND		5.0	0.90	ug/L			12/07/22 23:14	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/07/22 23:14	5
Dichlorodifluoromethane	ND	~~F1~~	5.0	3.4	ug/L			12/07/22 23:14	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/07/22 23:14	5
Isopropylbenzene	**26**		5.0	4.0	ug/L			12/07/22 23:14	5
Methyl acetate	ND		13	6.5	ug/L			12/07/22 23:14	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/07/22 23:14	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/07/22 23:14	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/07/22 23:14	5
N-Propylbenzene	**14**		5.0	3.5	ug/L			12/07/22 23:14	5
Styrene	ND	~~F1~~	5.0	3.7	ug/L			12/07/22 23:14	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/07/22 23:14	5
Toluene	ND		5.0	2.6	ug/L			12/07/22 23:14	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/07/22 23:14	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/07/22 23:14	5
Trichloroethene	ND		5.0	2.3	ug/L			12/07/22 23:14	5
Trichlorofluoromethane	ND	~~F1~~ UJ	5.0	4.4	ug/L			12/07/22 23:14	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/07/22 23:14	5
Xylenes, Total	**450**		10	3.3	ug/L			12/07/22 23:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/07/22 23:14*	*5*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/07/22 23:14*	*5*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*12/07/22 23:14*	*5*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/07/22 23:14*	*5*

Client Sample ID: IW-3

Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			12/08/22 16:16	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			12/08/22 16:16	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			12/08/22 16:16	50
1,1,2-Trichloroethane	ND		50	12	ug/L			12/08/22 16:16	50
1,1-Dichloroethane	ND		50	19	ug/L			12/08/22 16:16	50
1,1-Dichloroethene	ND		50	15	ug/L			12/08/22 16:16	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			12/08/22 16:16	50
1,2,4-Trimethylbenzene	**1500**	D	50	38	ug/L			12/08/22 16:16	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			12/08/22 16:16	50
1,2-Dibromoethane	ND		50	37	ug/L			12/08/22 16:16	50
1,2-Dichlorobenzene	ND		50	40	ug/L			12/08/22 16:16	50
1,2-Dichloroethane	ND		50	11	ug/L			12/08/22 16:16	50
1,2-Dichloropropane	ND		50	36	ug/L			12/08/22 16:16	50
1,3,5-Trimethylbenzene	**940**	D	50	39	ug/L			12/08/22 16:16	50
1,3-Dichlorobenzene	ND		50	39	ug/L			12/08/22 16:16	50
1,4-Dichlorobenzene	ND		50	42	ug/L			12/08/22 16:16	50
2-Butanone (MEK)	ND		500	66	ug/L			12/08/22 16:16	50
2-Hexanone	ND		250	62	ug/L			12/08/22 16:16	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			12/08/22 16:16	50
Acetone	ND	F2	500	150	ug/L			12/08/22 16:16	50
Benzene	ND		50	21	ug/L			12/08/22 16:16	50
Bromodichloromethane	ND		50	20	ug/L			12/08/22 16:16	50
Bromoform	ND	*+	50	13	ug/L			12/08/22 16:16	50
Bromomethane	ND		50	35	ug/L			12/08/22 16:16	50
Carbon disulfide	ND		50	9.5	ug/L			12/08/22 16:16	50
Carbon tetrachloride	ND		50	14	ug/L			12/08/22 16:16	50
Chlorobenzene	ND		50	38	ug/L			12/08/22 16:16	50
Chloroethane	ND		50	16	ug/L			12/08/22 16:16	50
Chloroform	ND		50	17	ug/L			12/08/22 16:16	50
Chloromethane	ND		50	18	ug/L			12/08/22 16:16	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			12/08/22 16:16	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			12/08/22 16:16	50
Cyclohexane	ND		50	9.0	ug/L			12/08/22 16:16	50
Dibromochloromethane	ND		50	16	ug/L			12/08/22 16:16	50
Dichlorodifluoromethane	ND		50	34	ug/L			12/08/22 16:16	50
Ethylbenzene	ND		50	37	ug/L			12/08/22 16:16	50
Isopropylbenzene	ND		50	40	ug/L			12/08/22 16:16	50
Methyl acetate	ND		130	65	ug/L			12/08/22 16:16	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			12/08/22 16:16	50
Methylcyclohexane	ND		50	8.0	ug/L			12/08/22 16:16	50
Methylene Chloride	ND		50	22	ug/L			12/08/22 16:16	50
N-Propylbenzene	ND		50	35	ug/L			12/08/22 16:16	50
Styrene	ND		50	37	ug/L			12/08/22 16:16	50
Tetrachloroethene	ND		50	18	ug/L			12/08/22 16:16	50
Toluene	ND		50	26	ug/L			12/08/22 16:16	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			12/08/22 16:16	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			12/08/22 16:16	50
Trichloroethene	ND		50	23	ug/L			12/08/22 16:16	50
Trichlorofluoromethane	ND		50	44	ug/L			12/08/22 16:16	50

Client Sample ID: IW-3

Date Collected: 12/02/22 10:22
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		50	45	ug/L			12/08/22 16:16	50
Xylenes, Total	**380**		100	33	ug/L			12/08/22 16:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 16:16*	*50*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/08/22 16:16*	*50*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/08/22 16:16*	*50*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/08/22 16:16*	*50*

Client Sample ID: GT-9R

Date Collected: 12/02/22 17:05
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-8

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 16:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 16:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 16:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 16:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 16:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 16:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 16:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 16:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 16:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 16:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 16:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 16:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 16:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 16:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 16:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 16:38	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 16:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 16:38	1
Acetone	ND	UJ	10	3.0	ug/L			12/08/22 16:38	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 16:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 16:38	1
Bromoform	ND	*+ UJ	1.0	0.26	ug/L			12/08/22 16:38	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 16:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 16:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 16:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 16:38	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 16:38	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 16:38	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 16:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 16:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 16:38	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 16:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 16:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 16:38	1

Client Sample ID: GT-9R

Date Collected: 12/02/22 17:05
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 16:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 16:38	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 16:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 16:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 16:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 16:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 16:38	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 16:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 16:38	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 16:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 16:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 16:38	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 16:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 16:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 16:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/08/22 16:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/08/22 16:38*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/08/22 16:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/08/22 16:38*	*1*

Client Sample ID: GT-16

Date Collected: 12/02/22 14:55
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-9

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 17:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 17:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 17:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 17:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 17:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 17:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 17:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 17:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 17:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 17:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 17:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 17:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 17:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 17:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 17:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 17:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 17:01	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 17:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 17:01	1
Acetone	ND	UJ	10	3.0	ug/L			12/08/22 17:01	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 17:01	1

Client Sample ID: GT-16

Date Collected: 12/02/22 14:55
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 17:01	1
Bromoform	ND	*+ UJ	1.0	0.26	ug/L			12/08/22 17:01	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 17:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 17:01	1
Carbon tetrachloride	**0.30**	**J**	1.0	0.27	ug/L			12/08/22 17:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 17:01	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 17:01	1
Chloroform	**0.91**	**J**	1.0	0.34	ug/L			12/08/22 17:01	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 17:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 17:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 17:01	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 17:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 17:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 17:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 17:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 17:01	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 17:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 17:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 17:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 17:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 17:01	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 17:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 17:01	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 17:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 17:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 17:01	1
Trichloroethene	**7.2**		1.0	0.46	ug/L			12/08/22 17:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 17:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 17:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 17:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/08/22 17:01*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/08/22 17:01*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/08/22 17:01*	*1*

Client Sample ID: DUP-120122-1

Date Collected: 12/02/22 00:00
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-10

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			12/08/22 17:23	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			12/08/22 17:23	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			12/08/22 17:23	100
1,1,2-Trichloroethane	ND		100	23	ug/L			12/08/22 17:23	100
1,1-Dichloroethane	ND		100	38	ug/L			12/08/22 17:23	100
1,1-Dichloroethene	ND		100	29	ug/L			12/08/22 17:23	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			12/08/22 17:23	100

Client Sample ID: DUP-120122-1

Date Collected: 12/02/22 00:00
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**4400**		100	75	ug/L			12/08/22 17:23	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			12/08/22 17:23	100
1,2-Dibromoethane	ND		100	73	ug/L			12/08/22 17:23	100
1,2-Dichlorobenzene	ND		100	79	ug/L			12/08/22 17:23	100
1,2-Dichloroethane	ND		100	21	ug/L			12/08/22 17:23	100
1,2-Dichloropropane	ND		100	72	ug/L			12/08/22 17:23	100
1,3,5-Trimethylbenzene	**2500**		100	77	ug/L			12/08/22 17:23	100
1,3-Dichlorobenzene	ND		100	78	ug/L			12/08/22 17:23	100
1,4-Dichlorobenzene	ND		100	84	ug/L			12/08/22 17:23	100
2-Butanone (MEK)	ND		1000	130	ug/L			12/08/22 17:23	100
2-Hexanone	ND		500	120	ug/L			12/08/22 17:23	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			12/08/22 17:23	100
Acetone	**340**	**J**	1000	300	ug/L			12/08/22 17:23	100
Benzene	ND		100	41	ug/L			12/08/22 17:23	100
Bromodichloromethane	ND		100	39	ug/L			12/08/22 17:23	100
Bromoform	ND	*+ UJ	100	26	ug/L			12/08/22 17:23	100
Bromomethane	ND		100	69	ug/L			12/08/22 17:23	100
Carbon disulfide	ND		100	19	ug/L			12/08/22 17:23	100
Carbon tetrachloride	ND		100	27	ug/L			12/08/22 17:23	100
Chlorobenzene	ND		100	75	ug/L			12/08/22 17:23	100
Chloroethane	ND		100	32	ug/L			12/08/22 17:23	100
Chloroform	ND		100	34	ug/L			12/08/22 17:23	100
Chloromethane	ND		100	35	ug/L			12/08/22 17:23	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			12/08/22 17:23	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			12/08/22 17:23	100
Cyclohexane	ND		100	18	ug/L			12/08/22 17:23	100
Dibromochloromethane	ND		100	32	ug/L			12/08/22 17:23	100
Dichlorodifluoromethane	ND		100	68	ug/L			12/08/22 17:23	100
Ethylbenzene	**270**		100	74	ug/L			12/08/22 17:23	100
Isopropylbenzene	**270**		100	79	ug/L			12/08/22 17:23	100
Methyl acetate	ND		250	130	ug/L			12/08/22 17:23	100
Methyl tert-butyl ether	ND		100	16	ug/L			12/08/22 17:23	100
Methylcyclohexane	ND		100	16	ug/L			12/08/22 17:23	100
Methylene Chloride	ND		100	44	ug/L			12/08/22 17:23	100
N-Propylbenzene	**210**		100	69	ug/L			12/08/22 17:23	100
Styrene	ND		100	73	ug/L			12/08/22 17:23	100
Tetrachloroethene	ND		100	36	ug/L			12/08/22 17:23	100
Toluene	ND		100	51	ug/L			12/08/22 17:23	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			12/08/22 17:23	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			12/08/22 17:23	100
Trichloroethene	ND		100	46	ug/L			12/08/22 17:23	100
Trichlorofluoromethane	ND		100	88	ug/L			12/08/22 17:23	100
Vinyl chloride	ND		100	90	ug/L			12/08/22 17:23	100
Xylenes, Total	**4000**		200	66	ug/L			12/08/22 17:23	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 17:23*	*100*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/08/22 17:23*	*100*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/08/22 17:23*	*100*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/08/22 17:23*	*100*

Client Sample ID: EQUIPMENT BLANK-120122-1

Date Collected: 12/01/22 13:03
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-11

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 17:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 17:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 17:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 17:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 17:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 17:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 17:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 17:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 17:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 17:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 17:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 17:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 17:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 17:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 17:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 17:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 17:46	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 17:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 17:46	1
Acetone	ND	UJ	10	3.0	ug/L			12/08/22 17:46	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 17:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 17:46	1
Bromoform	ND	*+ UJ	1.0	0.26	ug/L			12/08/22 17:46	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 17:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 17:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 17:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 17:46	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 17:46	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 17:46	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 17:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 17:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 17:46	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 17:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 17:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 17:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 17:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 17:46	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 17:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 17:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 17:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 17:46	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 17:46	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 17:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 17:46	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 17:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 17:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 17:46	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 17:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 17:46	1

Client Sample ID: EQUIPMENT BLANK-120122-1

Lab Sample ID: 480-204448-11

Date Collected: 12/01/22 13:03

Matrix: Water

Date Received: 12/06/22 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 17:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*12/08/22 17:46*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/08/22 17:46*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*12/08/22 17:46*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/08/22 17:46*	*1*

Client Sample ID: TRIP BLANK-120122-1

Lab Sample ID: 480-204448-12

Date Collected: 12/01/22 00:00

Matrix: Water

Date Received: 12/06/22 11:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/22 18:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/22 18:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/22 18:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/22 18:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/22 18:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/22 18:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/22 18:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/22 18:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/22 18:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/22 18:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/22 18:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/22 18:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/22 18:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/22 18:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/22 18:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/22 18:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/22 18:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/22 18:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/22 18:08	1
Acetone	ND	UJ	10	3.0	ug/L			12/08/22 18:08	1
Benzene	ND		1.0	0.41	ug/L			12/08/22 18:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/22 18:08	1
Bromoform	ND	** UJ	1.0	0.26	ug/L			12/08/22 18:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/22 18:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/22 18:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/22 18:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/22 18:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/22 18:08	1
Chloroform	ND		1.0	0.34	ug/L			12/08/22 18:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/22 18:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/22 18:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/22 18:08	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/22 18:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/22 18:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/22 18:08	1

Client Sample ID: TRIP BLANK-120122-1

Date Collected: 12/01/22 00:00
Date Received: 12/06/22 11:00

Lab Sample ID: 480-204448-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/22 18:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/22 18:08	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/22 18:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/22 18:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/08/22 18:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/22 18:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/22 18:08	1
Styrene	ND		1.0	0.73	ug/L			12/08/22 18:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/22 18:08	1
Toluene	ND		1.0	0.51	ug/L			12/08/22 18:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/22 18:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/22 18:08	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/22 18:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/22 18:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/22 18:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/22 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/08/22 18:08*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/08/22 18:08*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/08/22 18:08*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*12/08/22 18:08*	*1*

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