

Ms. Ruth Curley
Environmental Engineer 2
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7016

Arcadis of New York, Inc.
855 Route 146
Suite 210
Clifton Park
New York 12065
Tel 518 250 7300
Fax 518 250 7301
www.arcadis.com

Subject:
2017 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview) Site
Rotterdam, New York
Site No.: 447005

ENVIRONMENT

Date:
July 26, 2017

Dear Ms. Curley:

Contact:
Doug Weeks

Attached for your review is the 2017 Annual Groundwater Sampling Report for the Von Roll Isola USA, Inc. property (formerly General Electric Company (GE) Riverview Plant) in Rotterdam, New York [NYSDEC Site No. 447005]. One unbound hard copy of the report will be sent to your attention via U.S. Mail. Additionally, the laboratory analytical data are being submitted to NYSDEC electronically via EQUIS.

Phone:
518.250.7378

Email:
doug.weeks@arcadis.com

Should you have any questions on this report, please contact me at (518) 250-7378, or the GE Project Manager, Mr. Lewis Streeter, at (518) 388-7552.

Our ref:
AP086277

Sincerely,

Arcadis of New York, Inc.



Doug Weeks
Project Manager

Enclosure

Electronic Copies:
Stephanie Selmer, NYSDOH
Lewis Streeter, GE
Aaron Kelsey, Von Roll USA, Inc.
Suzie Ellsworth, Arcadis
James Nuss, Arcadis

2017 ANNUAL GROUNDWATER SAMPLING REPORT

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

July 2017

A large, solid orange geometric shape, resembling a stylized triangle or a section of a larger triangle, is positioned in the bottom right corner of the page. It is composed of two overlapping triangles, creating a complex, angular form that extends from the bottom edge towards the top right corner.

2017 ANNUAL GROUNDWATER SAMPLING REPORT

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

Prepared for:

General Electric Company
Albany, New York

Prepared by:

Arcadis of New York, Inc.
855 Route 146
Suite 210
Clifton Park
New York 12065
Tel 518 250 7300
Fax 518 250 7301

Our Ref.:

AP086277

Date:

July 2017

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ACRONYMS AND ABBREVIATIONS

CB&I	CB&I Environmental & Infrastructure, Inc.
COC	Chain-of-Custody
D&H	Delaware and Hudson
DUSR	Data Usability Summary Report
EDD	Electronic Data Deliverable
GE	General Electric Company
ISCO	In-Situ Chemical Oxidation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NELAP	National Environmental Laboratory Accreditation Program
NYSDEC	New York State Department of Environmental Conservation
POTW	Publicly Owned Treatment Works
QA/QC	Quality Assurance/Quality Control
RD/RA	Remedial Design/Remedial Action
Site	Riverview Site
SMP	Site Management Plan
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

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. property (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 an approximate 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 (see **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) 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 any remaining contamination at the Site, and the development and implementation of a Site Management Plan (SMP) (Chicago Bridge and Iron, Inc. [CB&I] 2015). The SMP, which details the protocols for management of remaining Site impacts, is under review by GE and NYSDEC. An Environmental Easement for the Site has not yet been recorded.

In accordance with the schedule presented in the RD/RA Work Plan, annual groundwater monitoring was completed in 2017 by Arcadis of New York, Inc. (Arcadis) on behalf of GE. This 2017 Annual Groundwater Sampling Report (Report) presents the results of the May 2017 sampling event, as well as a summary of historical groundwater monitoring data for the Site.

2 GROUNDWATER SAMPLING AND ANALYSIS

The 2017 annual groundwater sampling event was conducted by Arcadis between May 8 and May 11, 2017. A total of 21 groundwater samples, including quality assurance/quality control (QA/QC) samples, were collected from ten monitoring wells (VRI-1, VRI-2, VRI-3, VRI-4, VRI-9, GT-7, GT-9R, GT-14, GT-15, and GT-16) and seven injection wells (IW-1, IW-2, IW-3, IW-4, IW-5, IW-6, and IW-7). The monitoring well and injection well locations are shown on **Figure 3**. The work was performed in accordance with the RD/RA Work Plan and the Site Health and Safety Plan (HASP; Arcadis 2016). QA/QC samples included one Matrix Spike/Matrix Spike Duplicate (MS/MSD) pair collected from IW-4, one blind field duplicate sample collected from IW-3, one field blank, and one trip blank (prepared by TestAmerica Laboratories, Inc. [TestAmerica]).

Prior to sampling, each well was gauged for depth to water and depth to bottom measurements using a water level meter. These measurements were recorded to the nearest 0.01 foot from the top of the well casing. The wells were sampled utilizing low-flow techniques, including a bladder pump with a QED compressor. The pump was positioned such that the intake was located at the approximate midpoint of the well screen. The wells were pumped until field parameters stabilized or at least three well volumes were evacuated. Groundwater geochemical field parameter data were collected and recorded on field data sheets prior to sample collection. These field parameters included temperature, pH, conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity (as measured using a YSI multi-parameter system with a flow cell). Field data sheets are included in **Appendix A**. Purge water was collected in a properly labeled 55-gallon drum, and staged on-site for subsequent characterization and off-site disposal by Arcadis. The water level meter and all other applicable equipment was cleaned using non-phosphate soap and distilled water rinse between each well location.

Once the field parameters properly stabilized, groundwater samples were collected and transferred into pre-cleaned sample containers provided by TestAmerica. Samples were labeled, packed on ice, and delivered under proper chain-of-custody (COC) to TestAmerica upon completion of the sampling event on May 11, 2017. The 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 (USEPA preparation Method 5030C) by TestAmerica, a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory in Amherst, NY. A copy of the COC documentation is provided in **Appendix B**. Following the completion of the laboratory analyses, the resulting data package was validated by Arcadis and a Data Usability Summary Report (DUSR) was prepared (**Appendix C**).

3 GROUNDWATER ANALYTICAL RESULTS

The analytical results for the May 2017 annual groundwater sampling event are summarized in **Table 1** and in **Figure 3**. A copy of the complete laboratory analytical report is provided in **Appendix B** and the data have been provided to NYSDEC electronically using the EQUIS database. The DUSR in **Appendix C** presents a review of the laboratory analytical report, duplicate sample, field blank sample, and trip blank, and indicates that the data are considered valid and useable.

These analytical results have been 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). Trichloroethylene (TCE) was detected at a concentration of 12 micrograms per liter ($\mu\text{g/L}$) in monitoring well GT-16. While this concentration exceeds the NYS standard of 5 $\mu\text{g/L}$, it is within the historical range of detected concentrations at this well. TCE was also detected in monitoring well GT-15, at a concentration of 3.5 $\mu\text{g/L}$, which is below the NYS water quality standard. TCE was not detected in any of the seven injection wells surrounding VRI-1, or VRI-1 itself, but each of these wells exhibited at least one detection of VOCs at a concentration greater than the respective NYS water quality standard.

The May 2017 annual sampling event results are presented, along with historical sampling results, in **Figure 4**. The field parameter data and analytical results obtained during this sampling event are generally consistent with those from previous sampling events. Monitoring well VRI-1, which in 2002 exhibited a total VOC concentration exceeding 29,000 $\mu\text{g/L}$ and was the primary focus of the initial ISCO injections, had a total VOC concentration during the May 2017 sampling event of 501.6 $\mu\text{g/L}$. Total VOC concentrations in the injection wells ranged from 242.4 J $\mu\text{g/L}$ in IW-2 to 7,820 J $\mu\text{g/L}$ (with a duplicate result of 7,700 J $\mu\text{g/L}$) in IW-3. Total VOC concentrations at IW-2, IW-5, and VRI-1 decreased in comparison to the August 2016 sampling event, whereas total VOC concentrations at IW-1, IW-3, IW-4, IW-6, and IW-7 increased in comparison to the August 2016 sampling event. Total VOC concentrations increased slightly at site monitoring wells GT-7, GT-9R, GT-14, GT-15, GT-16, VRI-3, VRI-4, and VRI-9, and VRI-2 exhibited no detections for VOCs.

The next groundwater sampling event (the second of the three annual monitoring events outlined in the RD/RA Work Plan) is planned for May 2018. The May 2018 groundwater sampling is to include the collection of groundwater and associated QA/QC samples from the same wells sampled in May 2017.

4 REFERENCES

- Arcadis. 2016. Site-Specific Health and Safety Plan. Prepared for General Electric Company, Von Roll Site, Schenectady, NY. July.
- Chicago Bridge and Iron, Inc. 2015. Draft Site Management Plan. Prepared for GE-Corporate Environmental Programs, Von Roll Site, Schenectady, NY. September.
- Conestoga-Rovers & Associates. 2014. Remedial Design/Remedial Action Work Plan. Prepared for GE-Corporate Environmental Programs, Von Roll Site, Schenectady, NY. February.
- New York State Department of Environmental Conservation. 1998. Technical & Operational Guidance Series (TOGS) 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series. June (and subsequent amendments). Available at: <http://www.dec.ny.gov/regulations/2652.html>.
- 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.

TABLE



Table 1
May 2017 Groundwater Analytical Summary - Volatile Organic Compounds
2017 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Location ID: Date Collected:	NYSDEC TOGS 1.1.1 Water Guidance Values	Units	GT-7 05/11/17	GT-9R 05/10/17	GT-14 05/10/17	GT-15 05/10/17	GT-16 05/11/17	IW-1 05/09/17
Volatile Organics								
1,1,1-Trichloroethane	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1,2,2-Tetrachloroethane	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1,2-Trichloroethane	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1-Dichloroethane	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,1-Dichloroethene	5	ug/L	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 UJ	20 U
1,2,4-Trichlorobenzene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,2,4-Trimethylbenzene	5	ug/L	1.0 U	1.0 U	2.1	2.3	1.0 U	1,200
1,2-Dibromo-3-chloropropane	0.04	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,2-Dibromoethane	0.0006	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,2-Dichlorobenzene	3	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,2-Dichloroethane	0.6	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,2-Dichloropropane	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,3,5-Trimethylbenzene	5	ug/L	1.0 U	1.0 U	1.6	1.7	1.0 U	620
1,3-Dichlorobenzene	3	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
1,4-Dichlorobenzene	3	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
2-Butanone (MEK)	50	ug/L	10 U	10 U	10 U	10 U	10 U	200 U
4-Methyl-2-Pentanone	--	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	100 U
Acetone	50	ug/L	3.1 J	3.1 J	10 U	10 U	3.2 J	200 U
Bromodichloromethane	50	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Bromoform	50	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Bromomethane	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Carbon Disulfide	60	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	20 U
Carbon Tetrachloride	5	ug/L	1.0 U	1.0 U	1.0 U	0.35 J	1.1	20 U
CFC-11	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
CFC-12	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Chlorobenzene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Chlorodibromomethane	50	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Chloroethane	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Chloroform	7	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	3.0	20 U
Chloromethane	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
cis-1,2-Dichloroethene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
cis-1,3-Dichloropropene	0.4	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Cyclohexane	--	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Dichloromethane	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Isopropylbenzene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	36
Methyl Acetate	--	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
Methyl N-Butyl Ketone (2-Hexanone)	50	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	100 U
Methylcyclohexane	--	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
N-Propylbenzene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	39
Styrene (Monomer)	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Tetrachloroethene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
trans-1,2-Dichloroethene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
trans-1,3-Dichloropropene	0.4	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Trichloroethene	5	ug/L	1.0 U	1.0 U	1.0 U	3.5	12	20 U
Vinyl chloride	2	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Benzene	1	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Toluene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Ethylbenzene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Total Xylenes	5	ug/L	2.0 U	2.0 U	1.6 J	2.3	2.0 U	530
Methyl-tert-butylether	10	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U
Total VOCs (Max DL)	--	ug/L	3.1 J	3.1 J	5.3 J	10.15 J	19.3 J	2,425

Table 1
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Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Location ID: Date Collected:	NYSDEC TOGS 1.1.1 Water Guidance Values	Units	IW-2 05/09/17	IW-3 05/09/17	IW-4 05/09/17	IW-5 05/09/17	IW-6 05/09/17
Volatile Organics							
1,1,1-Trichloroethane	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,1,2,2-Tetrachloroethane	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,1,2-Trichloroethane	1	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,1-Dichloroethane	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,1-Dichloroethene	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,2,4-Trichlorobenzene	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,2,4-Trimethylbenzene	5	ug/L	63	3,500 J [3,500 J]	930	1,500	2,000
1,2-Dibromo-3-chloropropane	0.04	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,2-Dibromoethane	0.0006	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,2-Dichlorobenzene	3	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,2-Dichloroethane	0.6	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,2-Dichloropropane	1	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,3,5-Trimethylbenzene	5	ug/L	83	2,400 J [2,300 J]	1,600 J	1,300	1,200
1,3-Dichlorobenzene	3	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
1,4-Dichlorobenzene	3	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
2-Butanone (MEK)	50	ug/L	1.6 J	1,000 UJ [1,000 UJ]	500 U	250 U	500 U
4-Methyl-2-Pentanone	--	ug/L	5.0 U	500 UJ [500 UJ]	250 U	130 U	250 U
Acetone	50	ug/L	21	1,000 UJ [1,000 UJ]	500 UJ	250 U	500 U
Bromodichloromethane	50	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Bromoform	50	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Bromomethane	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Carbon Disulfide	60	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Carbon Tetrachloride	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
CFC-11	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
CFC-12	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Chlorobenzene	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Chlorodibromomethane	50	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Chloroethane	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Chloroform	7	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Chloromethane	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
cis-1,2-Dichloroethene	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
cis-1,3-Dichloropropene	0.4	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Cyclohexane	--	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Dichloromethane	5	ug/L	1.0 U	100 UBJ [100 UBJ]	50 UB	25 U	50 UB
Isopropylbenzene	5	ug/L	16	160 J [150 J]	300	120	250
Methyl Acetate	--	ug/L	2.5 U	250 UJ [250 UJ]	130 UJ	63 U	130 U
Methyl N-Butyl Ketone (2-Hexanone)	50	ug/L	5.0 U	500 UJ [500 UJ]	250 U	130 U	250 U
Methylcyclohexane	--	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
N-Propylbenzene	5	ug/L	9.2	160 J [150 J]	300	86	310
Styrene (Monomer)	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Tetrachloroethene	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
trans-1,2-Dichloroethene	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
trans-1,3-Dichloropropene	0.4	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Trichloroethene	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Vinyl chloride	2	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Benzene	1	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Toluene	5	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Ethylbenzene	5	ug/L	1.6	100 UJ [100 UJ]	50 U	25 U	50 U
Total Xylenes	5	ug/L	47	1,600 J [1,600 J]	190	790	2,000
Methyl-tert-butylether	10	ug/L	1.0 U	100 UJ [100 UJ]	50 U	25 U	50 U
Total VOCs (Max DL)	--	ug/L	242.4 J	7,820 J [7,700 J]	3,320 J	3,796	5,760

Table 1
May 2017 Groundwater Analytical Summary - Volatile Organic Compounds
2017 Annual Groundwater Sampling Report
Von Roll Isola USA, Inc. (Riverview)
Rotterdam, New York

Location ID: Date Collected:	NYSDEC TOGS 1.1.1 Water Guidance Values	Units	IW-7 05/09/17	VRI-1 05/09/17	VRI-2 05/10/17	VRI-3 05/10/17	VRI-4 05/10/17	VRI-9 05/10/17
Volatile Organics								
1,1,1-Trichloroethane	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,1,2,2-Tetrachloroethane	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,1,2-Trichloroethane	1	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,1-Dichloroethane	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,1-Dichloroethene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2,4-Trichlorobenzene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,2,4-Trimethylbenzene	5	ug/L	300	97	1.0 U	1.0 U	1.0 U	3.5 J
1,2-Dibromo-3-chloropropane	0.04	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,2-Dibromoethane	0.0006	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,2-Dichlorobenzene	3	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,2-Dichloroethane	0.6	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,2-Dichloropropane	1	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,3,5-Trimethylbenzene	5	ug/L	260	130	1.0 U	1.0 U	1.0 U	2.5 J
1,3-Dichlorobenzene	3	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,4-Dichlorobenzene	3	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
2-Butanone (MEK)	50	ug/L	50 U	50 U	10 U	10 U	10 U	10 UJ
4-Methyl-2-Pentanone	--	ug/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 UJ
Acetone	50	ug/L	15 J	50 U	10 U	3.0 J	3.7 J	5.7 J
Bromodichloromethane	50	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromoform	50	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromomethane	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Carbon Disulfide	60	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Carbon Tetrachloride	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
CFC-11	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
CFC-12	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Chlorobenzene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Chlorodibromomethane	50	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Chloroethane	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Chloroform	7	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Chloromethane	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
cis-1,2-Dichloroethene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
cis-1,3-Dichloropropene	0.4	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Cyclohexane	--	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Dichloromethane	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Isopropylbenzene	5	ug/L	9.3	9.0	1.0 U	1.0 U	1.0 U	1.0 UJ
Methyl Acetate	--	ug/L	13 U	13 U	2.5 U	2.5 U	2.5 U	2.5 UJ
Methyl N-Butyl Ketone (2-Hexanone)	50	ug/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 UJ
Methylcyclohexane	--	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
N-Propylbenzene	5	ug/L	6.3	5.6	1.0 U	1.0 U	1.0 U	1.0 UJ
Styrene (Monomer)	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Tetrachloroethene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
trans-1,2-Dichloroethene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
trans-1,3-Dichloropropene	0.4	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Trichloroethene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Vinyl chloride	2	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Benzene	1	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Toluene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Ethylbenzene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Total Xylenes	5	ug/L	220	260	2.0 U	2.0 U	2.0 U	3.1 J
Methyl-tert-butylether	10	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Total VOCs (Max DL)	--	ug/L	810.6 J	501.6	10 U	3 J	3.7 J	14.8 J

Table 1
May 2017 Groundwater Analytical Summary - Volatile Organic Compounds
2017 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 TestAmerica Laboratories, Inc. for analysis.
2. Field duplicate sample result is presented in brackets.
3. Bold values indicate analyte detected by laboratory.
4. Grey shading indicates detection exceeding the NYS ambient water quality standards and guidance values, defined in TOGS 1.1

Data Qualifiers:

B - Compound was found in the blank and sample.

J - Indicates an estimated value.

U - The analyte was analyzed for, but not detected. The associated value is the analyte quantitation limit.

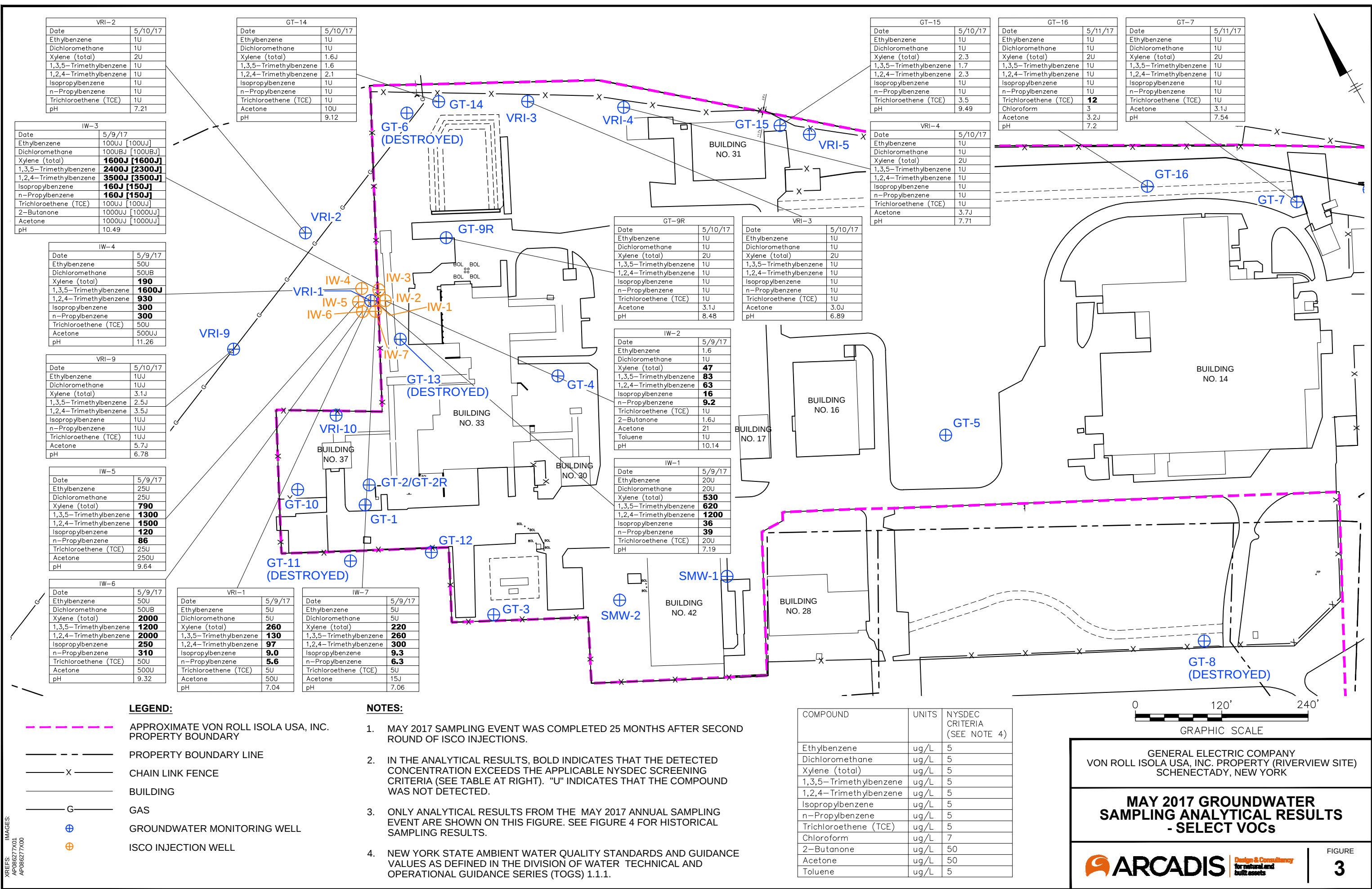
FIGURES



CITY: SYRACUSE, NY DIV: GROUP: EBC-IMDV DB: L. ROSENAUER PM: D. WEEKS TM: S. ELLSWORTH LVR: (OPTION="OFF=REF")
C:\ENVCAD\SYRACUSE\GE-ACT-CAP\086277\3000\GE-Riverview\SITE\AP086277\B01.dwg LAYOUT: 1. SAVED: 9/28/2016 11:25 AM ACADVER: 19.1S (LWS TECH) PAGES: 1 PLOTSTYLETABLE: PLOTSTYLETABLE: PLOTTED: 9/28/2016 12:16 PM BY: ROSENAUER, LISA
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GENERAL ELECTRIC COMPANY VON ROLL ISOLA USA, INC. PROPERTY (RIVERVIEW SITE) SCHENECTADY, NEW YORK	
SITE LOCATION MAP	
 ARCADIS Design & Consultancy for natural and built assets	FIGURE 1



VRI-2						
Date	8/14/14	12/22/14	8/20/15	8/20/15	2/16/16	8/15/16
Ethylbenzene	1U	1U	1U	1U	1U	1U
Dichloromethane	1U	1U	1U	1U	1U	1U
Xylene (total)	3U	3U	3U	3U	3U	2U
1,3,5-Trimethylbenzene	1U	1U	1U	1U	1U	1U
1,2,4-Trimethylbenzene	1U	1U	1U	1U	1U	1U
Isopropylbenzene	1U	1U	1U	1U	1U	1U
n-Propylbenzene	1U	1U	1U	1U	1U	1U
pH	7.56	7.94	7.53	7.53	7.47	6.79

IW-4						
Date	12/18/14	12/18/14	8/20/15	2/17/16	8/16/16	5/9/17
Ethylbenzene	50U	50U	5U	5U	1U	50U
Dichloromethane	50U	50U	5U	5U	1U	50UB
Xylene (total)	1850	1840	74	200	3U	190
1,3,5-Trimethylbenzene	3600	3400	560	720	11	1600J
1,2,4-Trimethylbenzene	6400	6300	47	640	1.0	930
Isopropylbenzene	380	380	5U	6.5	1U	300
n-Propylbenzene	400	400	5U	5U	1U	300
Acetone				4J	500UJ	
pH	10.00	10.00	6.67	11.10	9.17	11.26

VRI-9					
Date	10/12/11	12/7/11	2/17/16	8/15/16	5/10/17
Ethylbenzene			1U	1U	1UJ
Dichloromethane			1U	1U	1UJ
Xylene (total)			3U	3U	3.1J
1,3,5-Trimethylbenzene			1U	1U	2.5J
1,2,4-Trimethylbenzene			1U	1U	3.5J
Isopropylbenzene			1U	1U	1UJ
n-Propylbenzene			1U	1U	1UJ
Chloroform	8.3	-	1U	1U	1UJ
Acetone				5UJ	5.7J
pH			7.34	6.83	6.78

IW-5					
Date	12/18/14	8/21/15	2/18/16	8/16/16	5/9/17
Ethylbenzene	100U	50U	50U	2	25U
Dichloromethane	100U	50U	50U	1U	25U
Xylene (total)	3510	4260	2980	1700D	790
1,3,5-Trimethylbenzene	4100	3400	4400	2800D	1300
1,2,4-Trimethylbenzene	8600	6500	8800	5000D	1500
Isopropylbenzene	420	300	520	160	120
n-Propylbenzene	520	300	580	110	86
Acetone				10J	250U
pH	13.25	4.81	12.07	10.10	9.64

IW-6					
Date	12/22/14	8/21/15	2/19/16	8/16/16	5/9/17
Ethylbenzene	10	10U	10U	2 [2]	50U
Dichloromethane	10U	10U	10U	1U [1 U]	50UB
Xylene (total)	1160	504	295	380 [390]	2000
1,3,5-Trimethylbenzene	860	500	380	260D [340D]	1200
1,2,4-Trimethylbenzene	1600	720	300	280D [370D]	2000
Isopropylbenzene	110	81	94	21 [22]	250
n-Propylbenzene	120	90	120	21 [21]	310
Acetone				3J [3J]	500U
pH	11.8	4.26	9.95	7.96	9.32

VRI-1										
Date	10/18/01	4/2/02	10/5/09	12/22/09	10/12/11	12/7/11	8/14/14	12/22/14	8/21/15	2/18/16
Ethylbenzene	-	-	-	18	-	8.4J	50U	50U	10U	1U
Dichloromethane	-	50U/ 380J	-	-	-	9.1J	50U	50U	10U	1U
Xylene (total)	670	880J/510J	8700	3100	3700	3800	1930	68	30U	3U
1,3,5-Trimethylbenzene	NS	510/370	5400	1500	3200	2500	3100	290	16	1U
1,2,4-Trimethylbenzene	NS	1500/1100	14000	3700	6200	4900	5800	240	10U	1U
Isopropylbenzene	NS	85J/39J	820	250	110J	490	160	50U	10U	1U
n-Propylbenzene	NS	110J/940J	870	230	-	53	150	50U	10U	1U
Acetone									2J	50U
pH							7.03	9.1	6.68	7.63

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

- NOTES:
- DECEMBER 2014 SAMPLING EVENT WAS COMPLETED 4 MONTHS AFTER FIRST ROUND OF ISCO INJECTIONS.
 - AUGUST 2015 SAMPLING EVENT WAS COMPLETED 4 MONTHS AFTER SECOND ROUND OF ISCO INJECTIONS.
 - FEBRUARY 2016 SAMPLING EVENT WAS COMPLETED 10 MONTHS AFTER SECOND ROUND OF ISCO INJECTIONS.
 - AUGUST 2016 SAMPLING EVENT WAS COMPLETED 16 MONTHS AFTER SECOND ROUND OF ISCO INJECTIONS.
 - MAY 2017 SAMPLING EVENT WAS COMPLETED 25 MONTHS AFTER SECOND ROUND OF ISCO INJECTIONS.
 - 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.
 - 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.
 - *GT-16 WAS INACCESSIBLE DUE TO A WELL OBSTRUCTION AND NOT SAMPLED DURING THE FEBRUARY 2016 SAMPLING EVENT.
 - IN THE ANALYTICAL RESULTS, BOLD INDICATES THAT THE DETECTED CONCENTRATION EXCEEDS THE APPLICABLE NYSDEC SCREENING CRITERIA (SEE TABLE AT RIGHT). "U" INDICATES THAT THE COMPOUND WAS NOT DETECTED.
 - 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.

VRI-4			
Date	2/19/16	8/17/16	5/10/17
Ethylbenzene	1U	1U	1U
Dichloromethane	1U	1U	1U
Xylene (total)	3U	3U	2U
1,3,5-Trimethylbenzene	1U	1U	1U
1,2,4-Trimethylbenzene	1U	1U	1U
Isopropylbenzene	1U	1U	1U
n-Propylbenzene	1U	1U	1U
Acetone		2J	3.7J
pH	7.58	7.41	7.71

GT-15			
Date	12/6/11	2/19/16	8/17/16
Ethylbenzene		1U	1U
Dichloromethane		1U	1U
Xylene (total)		3U	3U
1,3,5-Trimethylbenzene		1U	1U
1,2,4-Trimethylbenzene		1U	2.3
Isopropylbenzene		1U	1U
n-Propylbenzene		1U	1U
Trichloroethene (TCE)	-	2.2	4
pH		7.60	7.52

GT-7				
Date	10/18/01	12/5/11	2/17/16	8/17/16
Ethylbenzene	82	-	1U	1U
Dichloromethane			1U	1U
Xylene (total)	350	-	3U	3U
1,3,5-Trimethylbenzene			1U	1U
1,2,4-Trimethylbenzene			1U	1U
Isopropylbenzene			1U	1U
n-Propylbenzene			1U	1U
Acetone			5UJ	3.1J
pH			7.40	7.21

GT-14		
Date	2/22/16	8/17/16
Ethylbenzene	1U	1U
Dichloromethane	1U	1U
Xylene (total)	3U	3U
1,3,5-Trimethylbenzene	1U	1U
1,2,4-Trimethylbenzene	1U	1U
Isopropylbenzene	1U	1U
n-Propylbenzene	1U	1U
Acetone		1J
pH	7.41	7.06

VRI-3					
Date	9/30/09	10/12/11	12/5/11	2/22/16	8/17/16
Ethylbenzene				1U	1U
Dichloromethane				1U	1U
Xylene (total)				3U	3U
1,3,5-Trimethylbenzene	11	-	-	1U	1U
1,2,4-Trimethylbenzene	15	-	-	1U	1U
Isopropylbenzene	84	6	6.5	1U	1U
n-Propylbenzene	13	-	-	1U	1U
Acetone				5UJ	3.0J
pH				7.25	6.77

GT-9R								
Date	10/16/01	4/2/02	12/9/11	12/22/14	8/20/15	2/16/16	8/17/16	5/10/17
Ethylbenzene	-	-	-	1U	1U	1U	1U	1U
Dichloromethane	-	8.4	-	1U	1U	1U	1U	1U
Xylene (total)	8.2	96	-	3U	3U	3U	3U	2U
1,3,5-Trimethylbenzene	NS	230	-	1U	1U	1U	1U	1U
1,2,4-Trimethylbenzene	NS	380J	-	1U	1U	1U	1U	1U
Isopropylbenzene	NS	69	-	1U	1U	1U	1U	1U
n-Propylbenzene	NS	62	-	1U	1U	1U	1U	1U
Acetone						5UJ	3.1J	
pH				7.59	7.36	7.12	6.75	8.48

GT-16						
Date	4/4/02	10/1/09	10/11/11	12/5/11	2/22/16*	8/17/16
Ethylbenzene					NS	1U
Dichloromethane					NS	1U
Xylene (total)					NS	3U
1,3,5-Trimethylbenzene					NS	1U
1,2,4-Trimethylbenzene					NS	1U
Isopropylbenzene					NS	1U
n-Propylbenzene					NS	1U
Trichloroethene (TCE)	13	14	8.7	6	NS	7
Chloroform					NS	2
Acetone					NS	5UJ
pH					NS	7.43

IW-3						
Date	12/18/14	8/20/15	2/17/16	8/16/16	5/9/17	
Ethylbenzene	20U	20U	20U	3	100UJ	[100UJ]
Dichloromethane	20U	20U	20U	1U	100UBJ	[100UBJ]
Xylene (total)	672	842	1710	1810	1100D	1600J
1,3,5-Trimethylbenzene	1700	1600	3300	3400	1700D	2400J
1,2,4-Trimethylbenzene	1600	1600	3100	3300	1600D	3500J
Isopropylbenzene	110	55	170	170	110	160J
n-Propylbenzene	92	54	170	170	93	160J
2-Butanone					2J	1000UJ
Acetone					44	1000UJ
pH	8.51	9.59	9.20	9.20	11.30	10.49

IW-2					
Date	12/18/14	8/20/15	2/16/16	8/16/16	5/9/17
Ethylbenzene	10U	10U	10U	14	1.6
Dichloromethane	10U	10U	10U	1U	1U
Xylene (total)	39	65	76	880D	47
1,3,5-Trimethylbenzene	80	120	100	720D	83
1,2,4-Trimethylbenzene	47	110	100	1100D	63
Isopropylbenzene	10U	10U	22	130	16
n-Propylbenzene	10U	10U	19	190	9.2
2-Butanone				11J	1.6J
Acetone					310DJ
Toluene				2	1U
pH	8.23	9.31	7.42	10.99	10.14

IW-1					
Date	8/14/14	12/22/14	8/20/15	2/18/16	8/16/16
Ethylbenzene	50U	50U	5U	1U	1U
Dichloromethane	50U	50U	5U	1U	1U
Xylene (total)	2560	470	343	43.5	97
1,3,5-Trimethylbenzene	3100	620	220	24	87
1,2,4-Trimethylbenzene	5600	980	500	61	150
Isopropylbenzene	270	85	42	4.1	36
n-Propylbenzene	230	93	49	5.9	39
pH	7.12	12.93	8.5	8.31	7.36

IW-7					
Date	12/22/14	8/21/15	2/18/16	8/16/16	5/9/17
Ethylbenzene	1U	1U	1U	1	5U
Dichloromethane	1U	1U	1U	1U	5U
Xylene (total)	78	42.1	13	94	220
1,3,5-Trimethylbenzene	70	31	26	140	260
1,2,4-Trimethylbenzene	130	39	7	48	300
Isopropylbenzene	12	6.7	1U	44	9.3
n-Propylbenzene	8.1	6.7	1U	30	6.3
Acetone				6J	15J
pH	8.33	4.42	7.61	7.16	7.06

APPENDIX A

Groundwater Sampling Event Field Data Sheets and Field Notes





Water Level Record

Project Name: IMI Riverview

Date: 5/8/2017

Project Number: AP086277.3000

Weather: Overcast 46°F

Personnel: N. Griffith and A. Thomas

Well ID	Depth to water (ft)	Depth to bottom (ft)	Remarks
GT-1	64.64	65.62	PID = 0.0
GT-2	—	—	Destroyed?
GT-2R	64.77	66.84	PID = 0.0 ppm
GT-3	63.19	67.96	PID = 0.0 ppm
GT-4	63.42	69.63	no spring would need to cut/resurvey to fit PID = 0.0 ppm
GT-5	55.24	66.08	PID = 0.0 ppm
GT-7	59.42	68.73	hard bottom ppm = 0.0 = PID
GT-9R	64.46	67.00	PID = 0.0 ppm
GT-10	66.54	72.10	PID = 0.0 ppm
GT-12	—	—	
GT-13	—	—	Destroyed?
GT-14	65.87	73.14	PID = 0.0 ppm Soft bottom
GT-15	71.44	77.93	PID = 0.0 ppm
GT-16	69.51	77.32	
IW-1	65.69	70.05	PID = 3.5 ppm
IW-2	65.78	72.42	PID = 0.0 ppm
IW-3/GMW-01	65.57	71.43	PID = 0.0 ppm
IW-4	65.33	71.22	PID = 0.0 ppm
IW-5	65.41	71.53	PID = 2.6 ppm
IW-6	65.31	70.44	PID = 9.4 ppm
IW-7	65.47	71.87	PID = 3.7 ppm
SMW-1	64.61	67.41	PID = 0.0 ppm
SMW-2	67.08	71.82	PID = 0.0 ppm
VRI-1	65.74	70.05	PID = 3.9 ppm
VRI-2	69.91	76.56	PID = 0.0 ppm
VRI-3	71.30	78.81	PID = 0.0 ppm
VRI-4	73.42	78.90	PID = 0.0 ppm
VRI-5	95.46	121.09	PID = 0.0 ppm
VRI-6	73.55	75.08	PID = 0.0 ppm
VRI-7	49.44	52.94	PID = 0.0 ppm
VRI-9	66.62	69.67	PID = 0.2 ppm
VRI-10	66.43	72.60	PID = 0.0 ppm

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A
 Weather: Sunny 50°
 Well ID: GGT-7
 Date: 5/17
 Time In: 10:00 Time Out: 11:00

Well Information

Depth to Water: 59.90 (feet)
 Total Depth: 108.73 (feet)
 Length of Water Column: 8.83 (feet)
 Volume of Water in Well: 5.76 (gal)
 Intake depth for tubing: 26.16' (feet)

Well Type: Flush mount ☐ Stick-Up ☒
 Well Material: Stainless Steel ☐ PVC ☐
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☐ No ☐
 Well Diameter: 1" 2" Other: 4"

Purging Information

Purging Method: Bladder pump
 Tubing/Bailer Material: Polyethylene
 Sampling Method: Bladder pump
 Pump Start Time: 10:03
 Pump Stop Time: 10:55
 Total Volume Removed: 1.7 (gal)
 Water-Quality Meter Type: YSI & Turbidimeter
 Did well go dry: Yes ☐ No ☒

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	10:10	10:15	10:20	10:25	10:30	10:35	10:40	10:45	10:50
Volume Purged (gal)	0.1	0.4	0.7	1.0	1.2	1.4	1.5	1.8	
Rate (mL/min)	100	200	200	200	180	180	180	180	
Depth to Water (ft)	59.90	61.24	61.39	61.42	61.44	61.48	61.50	61.52	
pH (S.U.)	7.83	7.74	7.69	7.62	7.51	7.57	7.52	7.54	
Temp. (°C)	14.5	13.8	13.7	13.7	13.8	13.8	13.7	13.7	
Conductivity (mS/cm)	4.42	4.65	4.91	5.08	5.12	5.15	5.20	5.22	
Dissolved Oxygen (mg/L)	7.41	7.73	7.61	7.56	8.08	8.04	8.01	8.02	
ORP (mV)	38.4	26.2	19.2	8.6	6.4	4.5	2.5	1.9	
Turbidity (NTU)	14.9	12.9	13.1	13.4	13.7	12.9	13.1	12.7	
Notes:	amk amk								

Sampling Information

Problems / Observations

Analyses	#	Laboratory
VOCs	3	TestAmerica
Sample ID: GGT-7-20170511	Sample Time: 10:50	
MS/MSD: Yes ☐ No ☒		
Duplicate: Yes ☐ No ☒		
Duplicate ID: N/A	Dup. Time: N/A	
Chain of Custody Signed By: N. Griffith		

had to cut lock -
 Initial: clear, colorless, odorless
 Final: SAA.

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas

Well ID: GT-9R

Client / Job Number: GE / AP086277.3000.3000A

Date: 5/17

Weather: overcast, 60°

Time In: 15:10 Time Out: 16:10

Well Information

Depth to Water: 64.54 (feet)

Total Depth: 67.00 (feet)

Length of Water Column: 2.44 (feet)

Volume of Water in Well: 0.4 (gal)

Intake depth for tubing: ~ 66' (feet)

Well Type: Flush mount ☒ Stick-Up ☐Well Material: Stainless Steel ☐ PVC ☒Well Locked: Yes ☐ No ☒Measuring Point Marked: Yes ☐ No ☒Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump

Other:

Tubing/Bailer Material: Polyethylene

Other:

Sampling Method: Bladder pump

Other:

Pump Start Time: 15:15

Pump Stop Time: 16:05

Water-Quality Meter Type: YSI & Turbidimeter

Total Volume Removed: 0.5 (gal)

Did well go dry: Yes ☐ No ☒

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	15:20	15:25	15:30	15:35	15:40	15:45	15:50	15:55	16:00
Volume Purged (gal)	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	
Rate (mL/min)	100	40	40	40	40	40	40	40	
Depth to Water (ft)	64.60	64.60	64.60	64.60	64.60	64.60	64.60	64.60	
pH (S.U.)	8.49	8.50	8.48	8.47	8.48	8.48	8.48	8.48	
Temp. (°C)	12.9	12.8	12.8	12.8	13.0	12.9	12.9	12.9	
Conductivity (mS/cm)	4.27	4.37	4.43	4.56	4.76	4.86	4.87	4.87	
Dissolved Oxygen (mg/L)	1.43	1.46	1.77	1.57	1.07	0.96	0.95	0.96	
ORP (mV)	-15.0	-12.7	-17.1	-11.4	-22.0	-24.0	-32.0	-35.1	
Turbidity (NTU)	105	67	61	65	73.7	68.3	62.1	66.8	
Notes:	Lraq								

Sampling Information

Problems / Observations

Analyses	#	Laboratory
VOCs	3	TestAmerica
Sample ID: GT-9R-20170510		Sample Time: 16:00
MS/MSD: Yes ☐ No ☒		
Duplicate: Yes ☐ No ☒		
Duplicate ID: N/A		Dup. Time: N/A
Chain of Custody Signed By: NR4		

I: colorless, turbid, odorless
 F: colorless, cloudy, odorless

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A
 Weather: partly sunny

Well ID: GT-14
 Date: 5/17/17
 Time In: 0945 Time Out: 10:40

Well Information

Depth to Water: 65.68 (feet)
 Total Depth: 73.14 (feet)
 Length of Water Column: 6.58 (feet)
 Volume of Water in Well: 1.07 (gal)
 Intake depth for tubing: ~71 (feet)

Well Type: Flush mount ☒ Stick-Up ☐
 Well Material: Stainless Steel ☐ PVC ☒
 Well Locked: Yes ☐ No ☒
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☐ 2" Other: ☐

Purging Information

Purging Method: Bladder pump Other: ☐
 Tubing/Bailer Material: Polyethylene Other: ☐
 Sampling Method: Bladder pump Other: ☐
 Pump Start Time: 0948
 Pump Stop Time: 73:10 10:35 Water-Quality Meter Type: YSI & Turbidimeter
 Total Volume Removed: 0.9 (gal) Did well go dry: Yes ☐ No ☒

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	<u>0955</u>	<u>1000</u>	<u>10:05</u>	<u>10:10</u>	<u>10:15</u>	<u>10:20</u>	<u>10:25</u>	<u>10:30</u>	
Volume Purged (gal)	<u>0.2</u>	<u>0.4</u>	<u>0.5</u>	<u>0.6</u>	<u>0.7</u>	<u>0.8</u>	<u>0.9</u>		
Rate (mL/min)	<u>80</u>	<u>80</u>	<u>80</u>	<u>80</u>	<u>80</u>	<u>80</u>	<u>80</u>		
Depth to Water (ft)	<u>65.62</u>	<u>65.63</u>	<u>66.50</u>	<u>66.50</u>	<u>66.50</u>	<u>66.50</u>	<u>66.50</u>		
pH (S.U.)	<u>9.55</u>	<u>9.71</u>	<u>9.43</u>	<u>9.23</u>	<u>9.13</u>	<u>9.12</u>	<u>9.12</u>		
Temp. (°C)	<u>9.8</u>	<u>9.7</u>	<u>9.7</u>	<u>9.7</u>	<u>9.7</u>	<u>9.8</u>	<u>9.8</u>		
Conductivity (mS/cm)	<u>1.52</u>	<u>1.48</u>	<u>1.46</u>	<u>1.45</u>	<u>1.43</u>	<u>1.42</u>	<u>1.43</u>		
Dissolved Oxygen (mg/L)	<u>9.66</u>	<u>9.61</u>	<u>9.58</u>	<u>9.55</u>	<u>9.56</u>	<u>9.55</u>	<u>9.55</u>		
ORP (mV)	<u>54.6</u>	<u>32.7</u>	<u>30.1</u>	<u>26.4</u>	<u>25.5</u>	<u>24.5</u>	<u>26.8</u>		
Turbidity (NTU)	<u>633 AU</u>	<u>—</u>	<u>56.7</u>	<u>41.6</u>	<u>40.4</u>	<u>41.2</u>	<u>43.7</u>		
Notes:									

Sampling Information

Problems / Observations

Analyses	#	Laboratory
VOCs	3	TestAmerica
Sample ID: GT-14-20170510	Sample Time: 10:30	
MS/MSD: Yes ☐	No ☒	
Duplicate: Yes ☐	No ☒	
Duplicate ID: N/A	Dup. Time: N/A	
Chain of Custody Signed By: N.R.G.		

Initial: Cloudy, yellow tint, no odor
 Final: Slightly turbid, colorless, odorless

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A

Well ID: GT-15

Date: 5/17/17

Weather: Overcast

Time In: 11:05 Time Out: 12:00

Well Information

Depth to Water: 71.39 (feet)
 Total Depth: 77.93 (feet)
 Length of Water Column: 4.54 (feet)
 Volume of Water in Well: 1.04 (gal)
 Intake depth for tubing: ~75 (feet)

Well Type: Flush mount ☒ Stick-Up ☐
 Well Material: other ☒ Stainless Steel ☐ PVC ☐
 Well Locked: Yes ☐ No ☒
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump Other:
 Tubing/Bailer Material: Polyethylene Other:
 Sampling Method: Bladder pump Other:
 Pump Start Time: 11:10
 Pump Stop Time: 11:55 Water-Quality Meter Type: YSI & Turbidimeter
 Total Volume Removed: 0.8 (gal) Did well go dry: Yes ☒ No

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	11:15	11:20	11:25	11:30	11:35	11:40	11:45	11:50	
Volume Purged (gal)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	
Rate (mL/min)	80	80	80	80	80	80	80	80	
Depth to Water (ft)	71.41	71.42	71.42	71.42	71.42	71.42	71.43	71.43	
pH (S.U.)	9.89	9.80	9.65	9.52	9.45	9.49	9.49	9.49	
Temp. (°C)	11.7	11.9	11.4	11.5	11.5	11.4	11.5	11.4	
Conductivity (mS/cm)	1.83	1.84	1.87	1.87	1.88	1.88	1.89	1.89	
Dissolved Oxygen (mg/L)	7.31	6.76	8.29	7.94	7.90	7.94	7.90	7.92	
ORP (mV)	19.3	20.0	23.2	24.7	25.3	28.4	31.9	32.7	
Turbidity (NTU)	11.2	97.1	96.4	86.9	84.8	71.2	70.7	69.8	
Notes:									

Sampling Information

Problems / Observations

Analyses	#	Laboratory
VOCs	3	TestAmerica
Sample ID: GT-15-2017 0510	Sample Time: 11:50	
MS/MSD:	Yes ☐	No ☒
Duplicate:	Yes ☐	No ☒
Duplicate ID: N/A	Dup. Time: N/A	
Chain of Custody Signed By: NRG		

I: Pink tint, turbid, odorless
 F: SAA

GROUNDWATER SAMPLING LOG

Sampling Personnel:	N. Griffith and A. Thomas	Well ID:	GT-16
Client / Job Number:	GE / AP086277.3000.3000A	Date:	5/10/17
Weather:	high 50s, sunny	Time In:	9:05
		Time Out:	11:00

Well Information

Depth to Water:	69.42	(feet)
Total Depth:	77.2	(feet)
Length of Water Column:	7.78	(feet)
Volume of Water in Well:	1.248	(gal)
Intake depth for tubing:	75	(feet)

Well Type:	Flush mount ☒	Stick-Up ☐
Well Material:	Stainless Steel ☐	PVC ☐
Well Locked:	Yes ☒	No ☐
Measuring Point Marked:	Yes ☐	No ☒
Well Diameter:	1" ☒	Other: ☐

Fiber glass

Purging Information

Purging Method:	Bladder pump	Other:
Tubing/Bailer Material:	Polyethylene	Other:
Sampling Method:	Bladder pump	Other:
Pump Start Time:	10:00	
Pump Stop Time:	10:55	
Total Volume Removed:	1.6 (gal)	

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability			
pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	10:05	10:10	10:25	10:30	10:40	10:45	10:50		
Volume Purged (gal)	6.2	0.3	0.6	6.75	1.3	1.4	Sample		
Rate (mL/min)	70	80	80	90	90	90			
Depth to Water (ft)	69.43	69.43	69.43	69.45	69.45	69.45	at		
pH (S.U.)	7.05	7.2	7.21	7.11	7.16	7.20	10:50		
Temp. (°C)	14.2	13.6	13.1	13.1	13.1	13.2			
Conductivity (mS/cm)	1.00	1.01	1.04	1.04	1.04	1.05			
Dissolved Oxygen (mg/L)	6.55	6.56	6.53	6.40	6.39	6.49			
ORP (mV)	357.2	349.0	346.1	339.9	336.8	335.1			
Turbidity (NTU)	38.2	40.2	28.8	25.3	21.1	19.5			
Notes:									

Sampling Information

Problems / Observations

Analyses	#	Laboratory
VOCs		TestAmerica
Sample ID:	GT-16	Sample Time: 16:50
MS/MSD:	Yes ☐	No ☒
Duplicate:	Yes ☐	No ☒
Duplicate ID:	N/A	Dup. Time: N/A
Chain of Custody Signed By:	N. Griffith	

Initial: clear, no sreen, no odor

10:15 Stopped to move truck in order to provide shade to equipment. Resumed readings at 10:25

GROUNDWATER SAMPLING LOG

Sampling Personnel:	N. Griffith and A. Thomas	Well ID:	IW-1
Client / Job Number:	GE / AP086277.3000.3000A	Date:	5/9/17
Weather:	14W 50s	Time In:	11:00
		Time Out:	12:15

Well Information

Depth to Water:	65.64	(feet)
Total Depth:	70.05	(feet)
Length of Water Column:	4.41	(feet)
Volume of Water in Well:	0.719	(gal)
Intake depth for tubing:	63	(feet)

Well Type:	Flush mount ☐	Stick-Up ☒
Well Material:	Stainless Steel ☐	PVC ☒
Well Locked:	Yes ☒	No ☐
Measuring Point Marked:	Yes ☐	No ☒
Well Diameter:	1" ☐	2" ☒
	Other:	

Purging Information

Purging Method:	Bladder pump	Other:
Tubing/Bailer Material:	Polyethylene	Other:
Sampling Method:	Bladder pump	Other:
Pump Start Time:	11:10	
Pump Stop Time:	12:05	Water-Quality Meter Type: YSI & Turbidimeter
Total Volume Removed:	3.2 (gal)	Did well go dry: Yes ☐ No ☒

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	11:15	11:20	11:25	11:30	11:35	11:40	11:45	11:50	11:55
Volume Purged (gal)	0.4	0.6	0.8	1.4	1.6	2.0	2.3	2.6	2.9
Rate (mL/min)	100	90	100	110	100	100	105	125	125
Depth to Water (ft)	66.04	66.12	66.14	66.20	66.21	66.23	66.24	66.25	66.25
pH (S.U.)	7.01	7.03	7.06✓	7.08✓	7.14✓	7.15✓	7.15✓	7.18✓	7.19✓
Temp. (°C)	10.6	10.5	10.5✓	10.5✓	10.7✓	10.8✓	10.6✓	10.6✓	10.5✓
Conductivity (mS/cm)	1.14	1.13	1.10✓	1.09✓	1.08✓	1.07✓	1.06✓	1.06✓	1.07✓
Dissolved Oxygen (mg/L)	1.74	1.51	1.66*	2.41	2.76	3.16	3.82	3.83	4.06✓
ORP (mV)	294.2	295.1	296.7✓	300.4✓	302.2✓	303.7✓	306.3✓	306.9✓	309.7✓
Turbidity (NTU)	10.59	4.21	1.88	1.19✓	1.08✓	0.91✓	0.89✓	0.60✓	0.59✓
Notes:	Sample @ 12								

Sampling Information

Analyses	#	Laboratory
VOCs		TestAmerica
Sample ID:	IW-1	Sample Time: 12:00
MS/MSD:	Yes ☐	No ☒
Duplicate:	Yes ☐	No ☒
Duplicate ID:	N/A	Dup. Time: N/A
Chain of Custody Signed By:	N. Griffith	

Problems / Observations

Initial: clear, not cloudy, only slight odor when first pulling at tubing.

Final: S.A.A

GROUNDWATER SAMPLING LOG

Sampling Personnel:	N. Griffith and A. Thomas	Well ID:	IW-2
Client / Job Number:	GE / AP086277.3000.3000A	Date:	5/9/17
Weather:	40s, sunny	Time In:	0830
		Time Out:	0950

Well Information		Well Type:	
Depth to Water:	65.86 (feet)	Flush mount	☐
Total Depth:	72.42 (feet)	Stick-Up	☒
Length of Water Column:	6.56 (feet)	Well Material:	
Volume of Water in Well:	1.069 (gal)	Stainless Steel	☐
Intake depth for tubing:	70 ft (feet)	PVC	☒
		Well Locked:	
		Yes	☒
		No	☐
		Measuring Point Marked:	
		Yes	☐
		No	☒
		Well Diameter:	
		1"	☐
		2"	☒
		Other:	

Purging Information		Conversion Factors											
Purging Method:	Bladder pump	Other:											
Tubing/Bailer Material:	Polyethylene	Other:											
Sampling Method:	Bladder pump	Other:											
Pump Start Time:	0825	<table border="1"> <tr> <th>gal / ft. of water</th> <th>1" ID</th> <th>2" ID</th> <th>4" ID</th> <th>6" ID</th> </tr> <tr> <td></td> <td>0.041</td> <td>0.163</td> <td>0.653</td> <td>1.469</td> </tr> </table>		gal / ft. of water	1" ID	2" ID	4" ID	6" ID		0.041	0.163	0.653	1.469
gal / ft. of water	1" ID	2" ID	4" ID	6" ID									
	0.041	0.163	0.653	1.469									
Pump Stop Time:	0945	1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet											
Pump Stop Time:	0945	Unit Stability											
Total Volume Removed:	4.0 (gal)	<table border="1"> <tr> <th>pH</th> <th>DO / Turb</th> <th>Cond. / Temp</th> <th>ORP</th> </tr> <tr> <td>± 0.1</td> <td>± 10%</td> <td>± 3.0%</td> <td>± 10 mV</td> </tr> </table>		pH	DO / Turb	Cond. / Temp	ORP	± 0.1	± 10%	± 3.0%	± 10 mV		
pH	DO / Turb	Cond. / Temp	ORP										
± 0.1	± 10%	± 3.0%	± 10 mV										
		Water-Quality Meter Type:	YSI & Turbidimeter										
		Did well go dry:	Yes ☐ No ☒										

Parameter:	1	2	3	4	5	6	7	8	9
Time	0850	0855	0900	0905	0910	0915	0925	0930	0935
Volume Purged (gal)	0.5	1 gal	1.4 gal	1.6	2	2.5	3.1	3.4	3.6
Rate (mL/min)	80 mL/min	100	120	120	100	90	80	40	80
Depth to Water (ft)	66.05	66.15	66.26	66.23	66.2	66.2	66.13	66.15	66.15
pH (S.U.)	9.77	9.76	9.83	9.95	9.97	10.2	10.12	10.12	10.14
Temp. (°C)	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.7	10.7
Conductivity (mS/cm)	2.16	2.08	2.06	2.10	2.06	2.06	2.07	2.07	2.06
Dissolved Oxygen (mg/L)	1.59	2.38	2.73	3.52	3.64	4.14	4.74	4.74	5.00
ORP (mV)	330.7	324.8	318.7	313.1	305.1	298.0	289.2	287.9	286.8
Turbidity (NTU)	652 AU	22.8	18.2	15.1	22.5	22.8	15.6	21.2	19.6
Notes:	water was initially seeping from flow through cell, took time to get rate up.								

Sampling Information

Analyses	#	Laboratory
VOCs		TestAmerica
Sample ID:	IW-2	Sample Time: 09:46
MS/MSD:	Yes ☐ No ☒	
Duplicate:	Yes ☐ No ☒	
Duplicate ID:	MA	Dup. Time: MA
Chain of Custody Signed By:	N. Griffith	

Problems / Observations

Initial: dark brown, cloudy, no odor

Final: lighter brown than before, still cloudy and no odor

Sample 2
09:40

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A
 Weather:

Well ID: IW3

Date: 5/1/17

Time In: 0845 Time Out: 0915

Well Information

Depth to Water: 65.85 (feet)
 Total Depth: 71.43 (feet)
 Length of Water Column: 5.58 (feet)
 Volume of Water in Well: 0.9 (gal)
 Intake depth for tubing: 69 (feet)

Well Type: Flush mount ☐ Stick-Up ☒
 Well Material: Stainless Steel ☐ PVC ☒
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☒ 2" ☐ Other:

Purging Information

Purging Method: Bladder pump Other:
 Tubing/Bailer Material: Polyethylene Other:
 Sampling Method: Bladder pump Other:
 Pump Start Time: 0850
 Pump Stop Time: 0945 Water-Quality Meter Type: YSI & Turbidimeter
 Total Volume Removed: 1.0 (gal) Did well go dry: Yes ☒ No ☐

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	0900	0905	0910	0915	0920	0925	0930	0935	0940
Volume Purged (gal)	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Rate (mL/min)	150	150	150	150	150	150	150	150	150
Depth to Water (ft)	65.85	65.83	65.91	65.91	65.91	65.91	65.91	65.91	65.91
pH (S.U.)	9.75	9.81	9.87	9.90	10.08	10.24	10.47	10.47	10.49
Temp. (°C)	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.8	9.8
Conductivity (mS/cm)	4.02	9.43	9.59	10.49	11.01	11.08	11.17	11.21	11.23
Dissolved Oxygen (mg/L)	1.60	1.54	1.53	1.52	1.56	1.55	1.55	1.55	1.55
ORP (mV)	-84.3	-99.7	-101.4	-110.3	-127.4	-125.9	-123.3	-119.4	-115.7
Turbidity (NTU)	7.39	6.04	5.21	4.21	4.02	4.05	4.01	4.04	4.
Notes:									

Sampling Information

Problems / Observations

Analyses	#	Laboratory
VOCs	3+3	TestAmerica
Sample ID: IW-320170509	Sample Time: 0940	
MS/MSD: Yes ☐ No ☒		
Duplicate: Yes ☒ No ☐		
Duplicate ID: DUP-20170509	Dup. Time: —	
Chain of Custody Signed By: N. Griffith		

Initial: brownish red, clear,
 odorless

Final: SAA

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A
 Weather:

Well ID: FW4
 Date: 5/1/17
 Time In: 11:05 Time Out: 12:00

Well Information

Depth to Water: 105.25 (feet)
 Total Depth: 71.22 (feet)
 Length of Water Column: 5.97 (feet)
 Volume of Water in Well: 0.97 (gal)
 Intake depth for tubing: 1.68 (feet)

Well Type: Flush mount ☐ Stick-Up ☒
 Well Material: Stainless Steel ☐ PVC ☒
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump Other:
 Tubing/Bailer Material: Polyethylene Other:
 Sampling Method: Bladder pump Other:
 Pump Start Time: 11:08
 Pump Stop Time: 12:00 Water-Quality Meter Type: YSI & Turbidimeter
 Total Volume Removed: 0.9 (gal) Did well go dry: Yes ☐ No ☒

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	<u>0.163</u>	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability

pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	<u>11:15</u>	<u>11:20</u>	<u>11:25</u>	<u>11:30</u>	<u>11:35</u>	<u>11:40</u>	<u>11:45</u>	<u>11:50</u>	<u>11:55</u>
Volume Purged (gal)	<u>0.1</u>	<u>0.2</u>	<u>0.3</u>	<u>0.5</u>	<u>0.6</u>	<u>0.7</u>	<u>0.8</u>	<u>0.9</u>	
Rate (mL/min)	<u>160</u>	<u>140</u>	<u>140</u>	<u>140</u>	<u>140</u>	<u>140</u>	<u>140</u>	<u>140</u>	
Depth to Water (ft)	<u>105.70</u>	<u>105.70</u>	<u>105.70</u>	<u>105.70</u>	<u>105.70</u>	<u>105.70</u>	<u>105.70</u>	<u>105.70</u>	
pH (S.U.)	<u>10.93</u>	<u>11.03</u>	<u>11.17</u>	<u>11.34</u>	<u>11.20</u>	<u>11.20</u>	<u>11.21</u>	<u>11.24</u>	
Temp. (°C)	<u>10.1</u>	<u>9.7</u>	<u>9.6</u>	<u>9.6</u>	<u>9.7</u>	<u>10.2</u>	<u>10.2</u>	<u>10.2</u>	
Conductivity (mS/cm)	<u>2.54</u>	<u>2.38</u>	<u>2.31</u>	<u>2.14</u>	<u>2.11</u>	<u>2.10</u>	<u>2.10</u>	<u>2.10</u>	
Dissolved Oxygen (mg/L)	<u>0.79</u>	<u>0.59</u>	<u>0.59</u>	<u>0.40</u>	<u>0.35</u>	<u>0.36</u>	<u>0.36</u>	<u>0.36</u>	
ORP (mV)	<u>-46.4</u>	<u>-53.0</u>	<u>-64.0</u>	<u>-82.0</u>	<u>-80.1</u>	<u>-91.6</u>	<u>-92.1</u>	<u>-98.9</u>	
Turbidity (NTU)	<u>24.3</u>	<u>22.2</u>	<u>19.1</u>	<u>14.7</u>	<u>14.5</u>	<u>14.1</u>	<u>14.0</u>	<u>14.5</u>	
Notes:	<u>↓ vial</u>								

Sampling Information

Analyses	#	Laboratory
VOCs	<u>9</u>	TestAmerica
Sample ID: <u>IW-4-20170509</u>	Sample Time:	
MS/MSD: Yes ☒ No ☐		
Duplicate: Yes ☐ No ☒		
Duplicate ID:	Dup. Time: <u>11:57</u>	
Chain of Custody Signed By: <u>N. Griffith</u>		

Problems / Observations

Initial - orange tint, cloudy, odor

Final: SAA.

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A
 Weather: Rain, overcast sky

Well ID: IW-5
 Date: 5/9/17
 Time In: 12:20 Time Out: 13:20

Well Information

Depth to Water: 65.50 (feet)
 Total Depth: 65.50 - 71.52 (feet)
 Length of Water Column: 16.03 (feet)
 Volume of Water in Well: 0.98 (gal)
 Intake depth for tubing: ~69' (feet)

Well Type: Flush mount ☐ Stick-Up ☒
 Well Material: Stainless Steel ☐ PVC ☒
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump Other:
 Tubing/Bailer Material: Polyethylene Other:
 Sampling Method: Bladder pump Other:
 Pump Start Time: 12:25
 Pump Stop Time: 13:15 Water-Quality Meter Type: YSI & Turbidimeter
 Total Volume Removed: 1.0 (gal) Did well go dry: Yes No

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	12:30	12:35	12:40	12:45	12:50	12:55	13:00	13:05	13:10
Volume Purged (gal)	0.2	0.3	0.4	0.5	0.4	0.7	0.8	0.9	
Rate (mL/min)	100	100	80	80	80	80	80	80	
Depth to Water (ft)	65.65	65.74	65.76	65.80	65.83	65.90	65.98	66.04	
pH (S.U.)	10.63	10.69	10.67	10.00	10.973	9.59	9.61	9.64	
Temp. (°C)	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.4	
Conductivity (mS/cm)	2.05	2.11	2.11	2.10	2.09	2.04	2.04	2.03	
Dissolved Oxygen (mg/L)	0.67	0.51	0.50	0.60	0.61	0.61	0.61	0.61	
ORP (mV)	-81.7	-119.7	-112.4	-145.1	-129.8	-134.8	-137.8	-134.0	
Turbidity (NTU)	9.67	9.32	8.59	7.10	6.49	6.25	6.21	6.19	
Notes:	none								

Sampling Information

Analyses	#	Laboratory
VOCs	3	TestAmerica
Sample ID: IW-5-20170509	Sample Time: 13:10	
MS/MSD:	Yes ☐ No ☒	
Duplicate:	Yes ☐ No ☒	
Duplicate ID: NA	Dup. Time: NA	
Chain of Custody Signed By:	NRC	

Problems / Observations

Initial: clear, colorless, odorless
 Final: SFA.

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas

Well ID: IW-4

Client / Job Number: GE / AP086277.3000.3000A

Date: 5/9/17

Weather: 044v(6) 50°

Time In: 1440

Time Out: 15:25

Well Information

Depth to Water: 45.49 (feet)

Total Depth: 70.44 (feet)

Length of Water Column: 4.95 (feet)

Volume of Water in Well: 0.80 (gal)

Intake depth for tubing: 16.9' (feet)

Well Type: Flush mount ☐ Stick-Up ☒Well Material: Stainless Steel ☐ PVC ☒Well Locked: Yes ☒ No ☐Measuring Point Marked: Yes ☐ No ☒Well Diameter: 1" ☒ 2" ☐ Other: ☐

Purging Information

Purging Method: Bladder pump

Other: ☐

Tubing/Bailer Material: Polyethylene

Other: ☐

Sampling Method: Bladder pump

Other: ☐

Pump Start Time: 1440

Pump Stop Time: 15:20

Water-Quality
Meter Type: YSI &
Turbidimeter

Total Volume Removed: 0.6 (gal)

Did well go dry: Yes No

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. /Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	1445	1450	1455	15:00	15:05	15:10	15:15		
Volume Purged (gal)	0.1	0.2	0.3	0.4	0.5	0.6			
Rate (mL/min)	80	80	80	80	80	80			
Depth to Water (ft)	46.51	45.55	45.57	45.58	45.60	45.42			
pH (S.U.)	9.36	9.27	9.35	9.31	9.27	9.32			
Temp. (°C)	10.0	9.8	9.7	9.7	9.6	9.4			
Conductivity (mS/cm)	2.74	2.91	2.97	3.00	3.02	3.01	3.01		
Dissolved Oxygen (mg/L)	2.41	1.02	0.89	0.83	0.82	0.82			
ORP (mV)	-69.4	-95.8	-103.7	-106.1	-108.4	-110.5			
Turbidity (NTU)	34.1	33.1	33.6	33.8	32.9	33.1			
Notes:									

Sampling Information

Problems / Observations

Analyses	#	Laboratory
VOCs	3	TestAmerica
Sample ID: IW-4-20170509	Sample Time: 15:15	
MS/MSD: Yes ☐ No ☒		
Duplicate: Yes ☐ No ☒		
Duplicate ID: n/a	Dup. Time: n/a	
Chain of Custody Signed By: NRG Griffith		

Initial: color less, cloudy odor
Find: SAA

Site

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A
 Weather: 50's, overcast

Well ID: IW-7
 Date: 5/17
 Time In: 14:30 Time Out: 15:30

Well Information

Depth to Water: 65.50 (feet)
 Total Depth: 71.67 (feet)
 Length of Water Column: 6.37 (feet)
 Volume of Water in Well: 1.038 (gal)
 Intake depth for tubing: 63 (feet)

Well Type: Flush mount ☐ Stick-Up ☒
 Well Material: Stainless Steel ☐ PVC ☒
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump
 Tubing/Bailer Material: Polyethylene
 Sampling Method: Bladder pump
 Pump Start Time: 14:50
 Pump Stop Time: 15:36
 Total Volume Removed: 0.3 (gal)

Other:
 Other:
 Other:

Water-Quality
 Meter Type: YSI &
 Turbidimeter
 Did well go dry: Yes ☐ No ☒

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. /Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	15:00	15:05	15:10	15:15	Sample				
Volume Purged (gal)	0.1	0.15	0.2	0.25	0.27				
Rate (mL/min)	100	100	100	100	100				
Depth to Water (ft)	65.54	65.56	65.56	65.56	15.20				
pH (S.U.)	7.04	7.06	7.06	7.06					
Temp. (°C)	9.8	9.8	9.9	9.9					
Conductivity (mS/cm)	1.13	1.12	1.12	1.12					
Dissolved Oxygen (mg/L)	4.19	3.96	4.01	3.95					
ORP (mV)	341.5	341.1	340.8	340.7					
Turbidity (NTU)	34.3	24.0	23.4	24.6					
Notes:									

Sampling Information

Analyses	#	Laboratory
VOCs		TestAmerica
Sample ID: IW-7		Sample Time: 15:20
MS/MSD: Yes ☐ No ☒		
Duplicate: Yes ☐ No ☒		
Duplicate ID: NA		Dup. Time: N/A
Chain of Custody Signed By: N. Griffith		

Problems / Observations

Initial:
 light brown, slightly cloudy, odorless
 Final:
 more clear, very light brown,
 odorless

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas

Well ID: VRI-1

Client / Job Number: GE / AP086277.3000.3000A

Date: 5/9/17

Weather: 50s rainy

Time In: 12:30

Time Out: 14:00

Well Information

Depth to Water: 65.71 (feet)

Total Depth: 70.05 (feet)

Length of Water Column: 4.34 (feet)

Volume of Water in Well: 0.707 (gal)

Intake depth for tubing: 63 (feet)

Well Type: Flush mount ☐ Stick-Up ☒Well Material: Stainless Steel ☐ PVC ☒Well Locked: Yes ☒ No ☐Measuring Point Marked: Yes ☐ No ☒Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump

Other:

Tubing/Bailer Material: Polyethylene

Other:

Sampling Method: Bladder pump

Other:

Pump Start Time: 12:40

Pump Stop Time: 14:00

Water-Quality Meter Type: YSI & Turbidimeter

Total Volume Removed: 1.55 (gal)

Did well go dry: Yes ☐ No ☒

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10
Time	13:00	13:05	13:10	13:15	13:25	13:30	13:35	13:40	13:45	13:50
Volume Purged (gal)	0.65	0.8	1.0	1.1	1.2	1.25	1.3	1.35	1.4	1.5
Rate (mL/min)	100	100	100	100	100	100	100	100	100	100
Depth to Water (ft)	66.04	66.04	65.93	65.93	65.93	65.93	65.93	65.93	65.93	65.93
pH (S.U.)	6.88	6.94	6.98	7.01	7.01	7.01	7.00	7.04	7.03	7.04
Temp. (°C)	9.8	9.7	9.4	9.5	9.6	9.8	9.9	9.9	9.9	10.0
Conductivity (mS/cm)	0.73	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Dissolved Oxygen (mg/L)	5.44	4.20	4.00	4.13	4.08	4.16	4.31	4.24	4.43	4.42
ORP (mV)	309.8	310.2	312.6	316.4	317.3	319.3	322.1	322.2	323.8	323.1
Turbidity (NTU)	706 AU	117	101	17	110	64.3	56.1	44.3	47.4	42.6
Notes:	Experienced problems w/ flow through well, first reading not until 13:00									

Sampling Information

Analyses	#	Laboratory
VOCs		TestAmerica
Sample ID: VRI-1		Sample Time: 13:55
MS/MSD: Yes ☐ No ☒		
Duplicate: Yes ☐ No ☒		
Duplicate ID: N/A		Dup. Time: N/A
Chain of Custody Signed By: N. Griffith		

Problems / Observations

Initial: light brown, cloudy, slight odor

Final: clear, ~~no odor~~, no odor
only a little cloudy

Sample @ 13:55

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas

Well ID: VRI-2

Client / Job Number: GE / AP086277.3000.3000A

Date: 5/14/17

Weather:

Time In: 2:20

Time Out: 17:00

Well Information

Depth to Water: 69.82 (feet)
 Total Depth: 76.56 (feet)
 Length of Water Column: 6.74 (feet)
 Volume of Water in Well: 1.699 (gal)
 Intake depth for tubing: 73 (feet)

Well Type: Flush mount ☐ Stick-Up ☒
 Well Material: Stainless Steel ☐ PVC ☒
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump Other:
 Tubing/Bailer Material: Polyethylene Other:
 Sampling Method: Bladder pump Other:
 Pump Start Time: 14:45
 Pump Stop Time: 16:45
 Total Volume Removed: 2.5 (gal) Water-Quality Meter Type: YSI & Turbidimeter
 Did well go dry: Yes ☐ No ☒

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	14:50	14:55	15:00	15:05	15:10	15:15	15:45	15:50	15:55
Volume Purged (gal)	0.5	0.6	0.7	1.0	1.1	1.2	1.4	1.5	1.6
Rate (mL/min)	160	160	160	160	160	160	160	160	160
Depth to Water (ft)	69.89	69.89	69.89	69.89	69.89	69.89	69.90	69.90	69.90
pH (S.U.)	7.31	7.15	7.11	7.13	7.38	7.34	7.07	7.10	
Temp. (°C)	9.7	9.6	9.6	9.5	9.4	9.5	9.6	9.5	9.8
Conductivity (mS/cm)	0.672	0.673	0.678	0.685	0.682	0.682	0.674	0.676	0.676
Dissolved Oxygen (mg/L)	9.74	9.68	9.53	9.31	9.31	9.20	9.06	9.10	
ORP (mV)	314.5	315.3	316.6	317.8	320.3	320.4	328.2	328.4	328.1
Turbidity (NTU)	41	20	64.1	42.9	21.2	20.1	1270 AU	1261 AU	1006 AU
Notes:									

Sampling Information

Analyses	#	Laboratory
VOCs		TestAmerica
Sample ID: VRI-2		Sample Time: 16:40
MS/MSD: Yes ☐ No ☒		
Duplicate: Yes ☐ No ☒		
Duplicate ID: N/A		Dup. Time: N/A
Chain of Custody Signed By:		

Problems / Observations

Initial: clear, only a little cloudy, no odor

1520: Battery died, got a new one from NG truck, resume monitoring at 15:45

1550: After pulling pump and putting it back down, spike in turbidity

Site

Event

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A

Well ID: VRI-2

Date: 5/11/17

Weather: 60S, overcast

Time In: 7:30

Time Out: 17:00

14:20

Parameter:	1	2	3	4	5	6	7	8	9
Time	16:00	16:05	16:10	16:15	16:20	16:25	16:30	16:35	Sample
Volume Purged (Gal)	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	
Rate (mL/min)	160	160	160	160	160	160	160	160	at
Depth to Water (ft.)	69.90	69.90	69.90	69.90	69.90	69.90	69.90	69.90	16:40
pH	7.63	7.43	7.98	7.25	7.22	7.22	7.20	7.21	
Temp. (C)	9.8	9.8	9.8	9.7	9.6	9.6	9.6	9.6	
Conductivity (mS/cm)	0.680	0.689	0.688	0.687	0.685	0.683	0.683	0.683	
Dissolved Oxygen (mg/L)	8.84	8.82	8.76	8.77	8.65	8.62	8.64	8.60	
ORP (mV)	328.6	328.7	328.7	329.4	329.0	328.8	329.2	329.5	
Turbidity (NTU)	3.9	6.7	41.4	31.6	21.5	16.1	14.5	13.3	
Notes:									

Parameter:	1	2	3	4	5	6	7	8	9
Time									
Volume Purged (Gal)									
Rate (mL/min)									
Depth to Water (ft.)									
pH									
Temp. (C)									
Conductivity (mS/cm)									
Dissolved Oxygen (mg/L)									
ORP (mV)									
Turbidity (NTU)									
Notes:									

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas
 Client / Job Number: GE / AP086277.3000.3000A

Well ID: VRI-3
 Date: 5/1/17

Weather: 50s, cloudy

Time In: 9:30 Time Out: 11:30

Well Information

Depth to Water: 78.97 (feet)
 Total Depth: 78.81 (feet)
 Length of Water Column: 6.84 (feet)
 Volume of Water in Well: 1.11 (gal)
 Intake depth for tubing: 75 (feet)

Well Type: Flush mount ☐ Stick-Up ☒
 Well Material: Stainless Steel ☐ PVC ☒
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump Other:
 Tubing/Bailer Material: Polyethylene Other:
 Sampling Method: Bladder pump Other:
 Pump Start Time: 10:00
 Pump Stop Time: 11:25 Water-Quality Meter Type: YSI & Turbidimeter
 Total Volume Removed: 2.7 (gal) 2.7 Did well go dry: Yes ☐ No ☒

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	10:10	10:15	10:20	10:25	10:30	10:35	10:40	10:45	10:50
Volume Purged (gal)							1.5	1.85	2.0
Rate (mL/min)	100	100	100	100	100	100	100	100	100
Depth to Water (ft)	72.61	72.33	72.55	72.63	72.63	72.76	72.7	72.7	72.7
pH (S.U.)	6.26	6.75	6.87	6.84	6.89	6.9	6.86	6.87	6.89
Temp. (°C)	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.1
Conductivity (mS/cm)	0.651	0.658	0.658	0.656	0.661	0.674	0.678	0.678	0.68
Dissolved Oxygen (mg/L)	2.07	1.42	1.68	1.72	1.56	1.37	1.65	1.45	1.38
ORP (mV)	369.1	361.4	358.6	355.9	352.5	349.0	348.0	349.9	340.4
Turbidity (NTU)	2455 AU	608 AU	38	7.1	44	14	84.8	59.9	53.5
Notes:	rest of readings on page 2								

Sampling Information

Analyses	#	Laboratory
VOCs		TestAmerica
Sample ID: VRI-3		Sample Time: 11:20
MS/MSD: Yes ☐		No ☒
Duplicate: Yes ☐		No ☒
Duplicate ID: N/A		Dup. Time: N/A
Chain of Custody Signed By:		

Problems / Observations

Initial: clear color w/ some brown sediments, has an odor

Site

Event

GROUNDWATER SAMPLING LOG

Sampling Personnel:	N. Griffith and A. Thomas	Well ID:	VR1-3
Client / Job Number:	GE / AP086277.3000.3000A	Date:	5/10/17
Weather:	high 50's, cloudy	Time In:	9:30
		Time Out:	11:30

Parameter:	1	2	3	4	5	6	7	8	9
Time	10:55	11:00	11:05	11:10	11:15	Sample			
Volume Purged (Gal)	2.1	2.2	2.3	2.5	2.6	at			
Rate (mL/min)	100	100	100	100	100				
Depth to Water (ft.)	72.7	72.7	72.7	72.7	72.7				
pH	6.94	6.91	6.94	6.94	6.89	11:20			
Temp. (C)	11.1	11.1	11.1	11.1	11.1				
Conductivity (mS/cm)	0.68	0.69	0.69	0.69	0.68				
Dissolved Oxygen (mg/L)	1.37	1.32	1.36	1.38	1.40				
ORP (mV)	337.4	335.0	331.4	329.3	328.3				
Turbidity (NTU)	37.4	29.3	25.6	24.7	25.1				
Notes:									

Parameter:	1	2	3	4	5	6	7	8	9
Time									
Volume Purged (Gal)									
Rate (mL/min)									
Depth to Water (ft.)									
pH									
Temp. (C)									
Conductivity (mS/cm)									
Dissolved Oxygen (mg/L)									
ORP (mV)									
Turbidity (NTU)									
Notes:									

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas Well ID: VRI-4
 Client / Job Number: GE / AP086277.3000.3000A Date: 5/10/17
 Weather: 60s, overcast Time In: 11:45 Time Out: 14:00

Well Information

Depth to Water: 73.68 (feet)
 Total Depth: 78.96 (feet)
 Length of Water Column: 5.26 (feet)
 Volume of Water in Well: 0.861 (gal)
 Intake depth for tubing: 75 (feet)

Well Type: Flush mount ☐ Stick-Up ☒
 Well Material: Stainless Steel ☐ PVC ☒
 Well Locked: Yes ☒ No ☐
 Measuring Point Marked: Yes ☐ No ☒
 Well Diameter: 1" ☐ 2" ☒ Other:

Purging Information

Purging Method: Bladder pump Other:
 Tubing/Bailer Material: Polyethylene Other:
 Sampling Method: Bladder pump Other:
 Pump Start Time: 12:10
 Pump Stop Time: 13:45 Water-Quality Meter Type: YSI & Turbidimeter
 Total Volume Removed: 2.4 (gal) Did well go dry: Yes ☐ No ☒

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO / Turb	Cond. / Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	12:25	12:25	12:30	12:35	12:40	13:00	13:10	13:15	13:20
Volume Purged (gal)	0.5	0.7	0.9	0.95	1.0	1.1	1.15	1.2	1.4
Rate (mL/min)	80	80	80	80	60	60	60	60	60
Depth to Water (ft)	73.68	73.68	73.68	73.68	73.62	73.32	73.32	73.32	73.32
pH (S.U.)	7.27	7.73	6.78	6.94	6.82	6.84	7.64	8.10	8.04
Temp. (°C)	12.2	12.5	14.1	13.5	13.7	12.0	12.0	12.0	11.9
Conductivity (mS/cm)	0.79	0.79	0.80	0.80	0.79	0.80	0.80	0.80	0.80
Dissolved Oxygen (mg/L)	4.65	4.69	3.89	4.33	4.10	5.42	5.23	5.26	5.35
ORP (mV)	333.0	317.6	359.7	369.5	362.9	340.2	309.3	307.9	308.8
Turbidity (NTU)	OR	OR	3484 AU	3677 AU	OR	OR	OR	OR	OR
Notes:	* first & second turbidity readings were over range								

Sampling Information

Analyses	#	Laboratory
VOCs		TestAmerica
Sample ID: VRI-4		Sample Time: 13:40
MS/MSD: Yes ☐ No ☒		
Duplicate: Yes ☐ No ☒		
Duplicate ID: NA		Dup. Time: NA
Chain of Custody Signed By:		

Problems / Observations

Initial: brown, muddy, no strong odor observed. ~~to be tested in lab~~

12:45 Turbidity readings are over range and not dropping much, lowered throttle ~~to be tested in lab~~

Cannot pull pump higher because it will be at the water column.

12:50: changed throttle to try to get turbidity down, unsuccessful

OR = over range

Site

Event

GROUNDWATER SAMPLING LOG

Sampling Personnel:	N. Griffith and A. Thomas	Well ID:	VRI-4
Client / Job Number:	GE / AP086277.3000.3000A	Date:	5/14/17
Weather:	60's, overcast	Time In:	11:45
		Time Out:	13:50

Parameter:	1	2	3	4	5	6	7	8	9
Time	13:25	13:30	13:35	Sample					
Volume Purged (Gal)	1.5 2	2	2.3	at					
Rate (mL/min)	60	60	60	13:40					
Depth to Water (ft.)	73.32	73.32	73.32						
pH	7.7	7.68	7.71						
Temp. (C)	12.0	11.9	11.9						
Conductivity (mS/cm)	0.80	0.80	0.80						
Dissolved Oxygen (mg/L)	5.37	5.33	5.27						
ORP (mV)	310.8	309.7	310.0						
Turbidity (NTU)	OR	OR	OR						
Notes:									

Parameter:	1	2	3	4	5	6	7	8	9
Time									
Volume Purged (Gal)									
Rate (mL/min)									
Depth to Water (ft.)									
pH									
Temp. (C)									
Conductivity (mS/cm)									
Dissolved Oxygen (mg/L)									
ORP (mV)									
Turbidity (NTU)									
Notes:									

GROUNDWATER SAMPLING LOG

Sampling Personnel: N. Griffith and A. Thomas

Well ID: UR1-9

Client / Job Number: GE / AP086277.3000.3000A

Date: 5/ 17 10th

Weather: cloudy SS

Time In: 13:20 Time Out: 14:20

Well Information

Depth to Water: 66.43 (feet)

Total Depth: 69.67 (feet)

Length of Water Column: 3.24 (feet)

Volume of Water in Well: 0.53 (gal)

Intake depth for tubing: 268 (feet)

Well Type: Flush mount ☒ Stick-Up ☐Well Material: Stainless Steel ☐ PVC ☒Well Locked: Yes ☒ No ☐Measuring Point Marked: Yes ☐ No ☒Well Diameter: 1" ☐ 2" ☒ Other: ☐

Purging Information

Purging Method: Bladder pump

Other: ☐

Tubing/Bailer Material: Polyethylene

Other: ☐

Sampling Method: Bladder pump

Other: ☐

Pump Start Time: 13:30

Pump Stop Time: 14:20

Water-Quality
Meter Type: YSI &
Turbidimeter

Total Volume Removed: 0.8 (gal)

Did well go dry: Yes ☐ No ☒

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO / Turb	Cond. /Temp	ORP
± 0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9
Time	13:35	13:40	13:45	13:50	13:55	14:00	14:05	14:10	14:15
Volume Purged (gal)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	
Rate (mL/min)	100	100	100	100	100	100	100	100	
Depth to Water (ft)	66.43	66.43	66.43	66.43	66.43	66.43	66.43	66.43	
pH (S.U.)	8.86	6.04	6.78	6.80	6.78	6.76	6.77	6.78	
Temp. (°C)	11.2	9.9	9.7	9.7	9.6	10.2	10.3	10.3	
Conductivity (mS/cm)	1.66	1.62	1.62	1.64	1.65	1.64	1.65	1.65	
Dissolved Oxygen (mg/L)	8.36	8.72	8.92	8.44	8.33	7.88	7.89	7.90	
ORP (mV)	10.3	-8.2	-0.7	6.3	8.3	11.4	17.3	20.9	
Turbidity (NTU)	1103 Au	526	841	898	875	← out of range →			
Notes:									

Sampling Information

Problems / Observations

Analyses	#	Laboratory
VOCs	3	TestAmerica
Sample ID: UR1-9-20170903	Sample Time: 14:15	
MS/MSD: Yes ☐	No ☒	
Duplicate: Yes ☐	No ☒	
Duplicate ID: N/A	Dup. Time: N/A	
Chain of Custody Signed By:		

Initial: brown, cloudy, odorous
F: darker (medium) brown,
more cloudy, odorous

~~Semi-Annual~~ GW Sampling 5/8/17

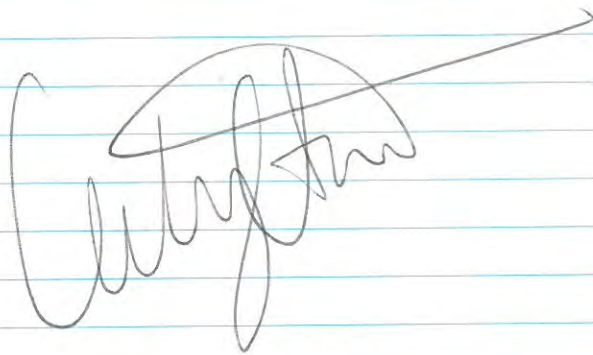
1300 - AT + Nichole Griffith arrive on site,
 Speak to man at gate about work to be
 completed and access needed

1330 - AT + NG arrive at well GT-7 to
 gauge.

1320 - NG went to building on 31 to
 speak with ~~client~~ ^{client} about our ~~presence~~
 work to be done + ~~plan~~ schedule.

1345 - loaded all equipment into AT's truck
 and continued gauging.

1600 - AT + NG finish gauging wells. off-site


~~Semi-Annual~~ GW Sampling 5/9/17

0730 - AT + NG both arrive on site.

0750 - Set up at ~~the~~ ^{the} cluster of wells
 inside of gate (in grassy/woody area) NG
 demonstrates setup and function of a ^{IW} cluster
 bladder pump on IW-2

0810 - Begin pumping on IW-2

0945 - Finished pumping on IW-2, IW-3

1000 - Went to honey empty drum to Greg
 Latup and dispose purge water into
 drum

1100 - AT began setup on IW-1 and NG
 began setup on IW-4

1220 - AT began set up on VRI-1 and
 NG began setup on IW-5

1340 - NG offsite for lunch, AT continuing to
 pump VRI-1

1400 - NG back on site from lunch

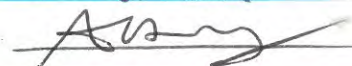
1430 - NG + AT resume sampling, sample wells
 and IW-7 and IW-6

1415 - Decom equipment and set up on
 next wells

1530 - Both AT + NG done pumping IW-4 + IW-7,
 cleanup

1545 - Dump purge water to drum to dispose

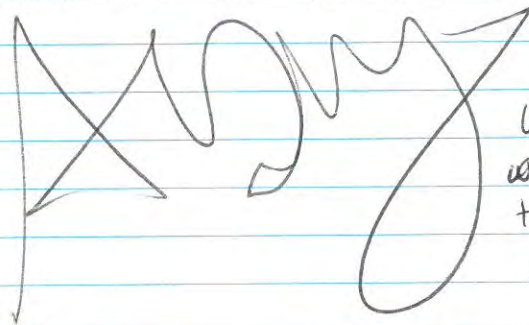
1600 - AT + NG off site



GW Sampling 5/10/17

- 0730 - AT + NG arrive on site
 0800 - Begin calibration on all equipment
 0920 - Finish calibrating equipment
 0930 - Set up on wells
 1000 - Begin sampling VRI-3(AT)
 1130 - Begin set up on next well (AT)
 NG had finished her second well
 1200 - AT starts second well VRI-4, NG
 off site for lunch
 1230 - NG back on site, resume sampling
 1700 - AT + NG finish sampling, go to
 drums to dispose of purge water
 1715 - AT + NG off site

*note: all wells have tubing in them, in
 the future we do not need to order



move
 tubing.
 Unless you
 want us
 to pull it
 all.

GW Sampling 5/11/17

- 0730 AT + NG both on site
 0740 Begin equipment calibration
 0850 Finish calibrating
 0845 AT forgot keys to wells at home,
~~NG off site~~ to Home Depot to
 0855 - NG off site to purchase ~~lock~~
 lock cutters after calling Jeremy
 Wyckoff (Aradis) to discuss options
 0900 - AT sets up on GT-16
 1050 - Finish sampling, start clean up
 1120 - NG + AT go to see Greg Lathup
 and dump our purge water.
 1125 - Dispose of ppe, drum 75% full, the
 drum was started 8/15/16 (1)
 (1) Still an empty Aradis drum on-site
 (1) purge water drum is 50% full,
 started on 5/8/17
 1130 AT + NG offsite, NG has samples and
 COC

APPENDIX B

May 2017 Analytical Data Package



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-117911-1

Client Project/Site: GE Rotterdam, NY

For:

ARCADIS U.S. Inc

One Lincoln Center

110 West Fayette St, Suite 300

Syracuse, New York 13202

Attn: Ms. Suzie Ellsworth



Authorized for release by:

5/23/2017 12:21:07 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

TestAmerica Job ID: 480-117911-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

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

TestAmerica Job ID: 480-117911-1

Job ID: 480-117911-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-117911-1

Comments

No additional comments.

Receipt

The samples were received on 5/12/2017 2:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

Receipt Exceptions

8260 volume was received in a 1 liter amber instead of 40ml vials: FIELD BLANK (480-117911-18)..

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-20170509 (480-117911-1), IW-3-20170509 (480-117911-3), IW-1-20170509 (480-117911-4), IW-4-20170509 (480-117911-5), IW-4-20170509 (480-117911-5[MS]), IW-4-20170509 (480-117911-5[MSD]), IW-5-20170509 (480-117911-6), IW-6-20170509 (480-117911-7), VRI-1-20170509 (480-117911-8) and IW7-20170509 (480-117911-15). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-358197 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted: VRI-4-20170510 (480-117911-16) and GT-9R-20170510 (480-117911-17).

Method(s) 8260C: The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following sample was analyzed after 7 days from sampling: FIELD BLANK (480-117911-18).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-358335 recovered above the upper control limit for 1,2,4-Trichlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: TRIP BLANK (480-117911-14) and FIELD BLANK (480-117911-18).

Method(s) 8260C: The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following samples was analyzed after 7 days from sampling: DUP-20170509 (480-117911-1), IW-3-20170509 (480-117911-3) and VRI-9 (480-117911-12).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-358446 recovered outside acceptance criteria, low biased, for Carbon disulfide and 1,1-dichloroethene. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted: GT-7-20170511 (480-117911-19) and GT-16-20170511 (480-117911-20).

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 Rotterdam, NY

TestAmerica Job ID: 480-117911-1

Client Sample ID: DUP-20170509

Lab Sample ID: 480-117911-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3500		100	75	ug/L	100		8260C	Total/NA
1,3,5-Trimethylbenzene	2300		100	77	ug/L	100		8260C	Total/NA
Isopropylbenzene	150		100	79	ug/L	100		8260C	Total/NA
Methylene Chloride	55	J	100	44	ug/L	100		8260C	Total/NA
N-Propylbenzene	150		100	69	ug/L	100		8260C	Total/NA
Xylenes, Total	1600		200	66	ug/L	100		8260C	Total/NA

Client Sample ID: IW-2-20170509

Lab Sample ID: 480-117911-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	63		1.0	0.75	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	83		1.0	0.77	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	1.6	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	21		10	3.0	ug/L	1		8260C	Total/NA
Ethylbenzene	1.6		1.0	0.74	ug/L	1		8260C	Total/NA
Isopropylbenzene	16		1.0	0.79	ug/L	1		8260C	Total/NA
N-Propylbenzene	9.2		1.0	0.69	ug/L	1		8260C	Total/NA
Xylenes, Total	47		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: IW-3-20170509

Lab Sample ID: 480-117911-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3500		100	75	ug/L	100		8260C	Total/NA
1,3,5-Trimethylbenzene	2400		100	77	ug/L	100		8260C	Total/NA
Isopropylbenzene	160		100	79	ug/L	100		8260C	Total/NA
Methylene Chloride	48	J	100	44	ug/L	100		8260C	Total/NA
N-Propylbenzene	160		100	69	ug/L	100		8260C	Total/NA
Xylenes, Total	1600		200	66	ug/L	100		8260C	Total/NA

Client Sample ID: IW-1-20170509

Lab Sample ID: 480-117911-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1200		20	15	ug/L	20		8260C	Total/NA
1,3,5-Trimethylbenzene	620		20	15	ug/L	20		8260C	Total/NA
Isopropylbenzene	36		20	16	ug/L	20		8260C	Total/NA
N-Propylbenzene	39		20	14	ug/L	20		8260C	Total/NA
Xylenes, Total	530		40	13	ug/L	20		8260C	Total/NA

Client Sample ID: IW-4-20170509

Lab Sample ID: 480-117911-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	930		50	38	ug/L	50		8260C	Total/NA
1,3,5-Trimethylbenzene	1600	F1	50	39	ug/L	50		8260C	Total/NA
Isopropylbenzene	300		50	40	ug/L	50		8260C	Total/NA
Methylene Chloride	25	J	50	22	ug/L	50		8260C	Total/NA
N-Propylbenzene	300		50	35	ug/L	50		8260C	Total/NA
Xylenes, Total	190		100	33	ug/L	50		8260C	Total/NA

Client Sample ID: IW-5-20170509

Lab Sample ID: 480-117911-6

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-5-20170509 (Continued)

Lab Sample ID: 480-117911-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1500		25	19	ug/L	25		8260C	Total/NA
1,3,5-Trimethylbenzene	1300		25	19	ug/L	25		8260C	Total/NA
Isopropylbenzene	120		25	20	ug/L	25		8260C	Total/NA
N-Propylbenzene	86		25	17	ug/L	25		8260C	Total/NA
Xylenes, Total	790		50	17	ug/L	25		8260C	Total/NA

Client Sample ID: IW-6-20170509

Lab Sample ID: 480-117911-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2000		50	38	ug/L	50		8260C	Total/NA
1,3,5-Trimethylbenzene	1200		50	39	ug/L	50		8260C	Total/NA
Isopropylbenzene	250		50	40	ug/L	50		8260C	Total/NA
Methylene Chloride	27	J	50	22	ug/L	50		8260C	Total/NA
N-Propylbenzene	310		50	35	ug/L	50		8260C	Total/NA
Xylenes, Total	2000		100	33	ug/L	50		8260C	Total/NA

Client Sample ID: VRI-1-20170509

Lab Sample ID: 480-117911-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	97		5.0	3.8	ug/L	5		8260C	Total/NA
1,3,5-Trimethylbenzene	130		5.0	3.9	ug/L	5		8260C	Total/NA
Isopropylbenzene	9.0		5.0	4.0	ug/L	5		8260C	Total/NA
N-Propylbenzene	5.6		5.0	3.5	ug/L	5		8260C	Total/NA
Xylenes, Total	260		10	3.3	ug/L	5		8260C	Total/NA

Client Sample ID: VRI-3-20170510

Lab Sample ID: 480-117911-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: GT-14-20170510

Lab Sample ID: 480-117911-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.1		1.0	0.75	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	1.6		1.0	0.77	ug/L	1		8260C	Total/NA
Xylenes, Total	1.6	J	2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: GT-15-20170510

Lab Sample ID: 480-117911-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.3		1.0	0.75	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	1.7		1.0	0.77	ug/L	1		8260C	Total/NA
Carbon tetrachloride	0.35	J	1.0	0.27	ug/L	1		8260C	Total/NA
Trichloroethene	3.5		1.0	0.46	ug/L	1		8260C	Total/NA
Xylenes, Total	2.3		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: VRI-9

Lab Sample ID: 480-117911-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.5		1.0	0.75	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-9 (Continued)

Lab Sample ID: 480-117911-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	2.5		1.0	0.77	ug/L	1		8260C	Total/NA
Acetone	5.7	J	10	3.0	ug/L	1		8260C	Total/NA
Xylenes, Total	3.1		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: VRI-2

Lab Sample ID: 480-117911-13

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-117911-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.85	J B	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: IW7-20170509

Lab Sample ID: 480-117911-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	300		5.0	3.8	ug/L	5		8260C	Total/NA
1,3,5-Trimethylbenzene	260		5.0	3.9	ug/L	5		8260C	Total/NA
Acetone	15	J	50	15	ug/L	5		8260C	Total/NA
Isopropylbenzene	9.3		5.0	4.0	ug/L	5		8260C	Total/NA
N-Propylbenzene	6.3		5.0	3.5	ug/L	5		8260C	Total/NA
Xylenes, Total	220		10	3.3	ug/L	5		8260C	Total/NA

Client Sample ID: VRI-4-20170510

Lab Sample ID: 480-117911-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.7	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: GT-9R-20170510

Lab Sample ID: 480-117911-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-117911-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.4	B	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: GT-7-20170511

Lab Sample ID: 480-117911-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: GT-16-20170511

Lab Sample ID: 480-117911-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
Carbon tetrachloride	1.1		1.0	0.27	ug/L	1		8260C	Total/NA
Chloroform	3.0		1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene	12		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: DUP-20170509

Lab Sample ID: 480-117911-1

Date Collected: 05/09/17 00:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 00:58	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			05/19/17 00:58	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			05/19/17 00:58	100
1,1,2-Trichloroethane	ND		100	23	ug/L			05/19/17 00:58	100
1,1-Dichloroethane	ND		100	38	ug/L			05/19/17 00:58	100
1,1-Dichloroethene	ND		100	29	ug/L			05/19/17 00:58	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			05/19/17 00:58	100
1,2,4-Trimethylbenzene	3500		100	75	ug/L			05/19/17 00:58	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			05/19/17 00:58	100
1,2-Dibromoethane	ND		100	73	ug/L			05/19/17 00:58	100
1,2-Dichlorobenzene	ND		100	79	ug/L			05/19/17 00:58	100
1,2-Dichloroethane	ND		100	21	ug/L			05/19/17 00:58	100
1,2-Dichloropropane	ND		100	72	ug/L			05/19/17 00:58	100
1,3,5-Trimethylbenzene	2300		100	77	ug/L			05/19/17 00:58	100
1,3-Dichlorobenzene	ND		100	78	ug/L			05/19/17 00:58	100
1,4-Dichlorobenzene	ND		100	84	ug/L			05/19/17 00:58	100
2-Butanone (MEK)	ND		1000	130	ug/L			05/19/17 00:58	100
2-Hexanone	ND		500	120	ug/L			05/19/17 00:58	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			05/19/17 00:58	100
Acetone	ND		1000	300	ug/L			05/19/17 00:58	100
Benzene	ND		100	41	ug/L			05/19/17 00:58	100
Bromodichloromethane	ND		100	39	ug/L			05/19/17 00:58	100
Bromoform	ND		100	26	ug/L			05/19/17 00:58	100
Bromomethane	ND		100	69	ug/L			05/19/17 00:58	100
Carbon disulfide	ND		100	19	ug/L			05/19/17 00:58	100
Carbon tetrachloride	ND		100	27	ug/L			05/19/17 00:58	100
Chlorobenzene	ND		100	75	ug/L			05/19/17 00:58	100
Chloroethane	ND		100	32	ug/L			05/19/17 00:58	100
Chloroform	ND		100	34	ug/L			05/19/17 00:58	100
Chloromethane	ND		100	35	ug/L			05/19/17 00:58	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			05/19/17 00:58	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			05/19/17 00:58	100
Cyclohexane	ND		100	18	ug/L			05/19/17 00:58	100
Dibromochloromethane	ND		100	32	ug/L			05/19/17 00:58	100
Dichlorodifluoromethane	ND		100	68	ug/L			05/19/17 00:58	100
Ethylbenzene	ND		100	74	ug/L			05/19/17 00:58	100
Isopropylbenzene	150		100	79	ug/L			05/19/17 00:58	100
Methyl acetate	ND		250	130	ug/L			05/19/17 00:58	100
Methyl tert-butyl ether	ND		100	16	ug/L			05/19/17 00:58	100
Methylcyclohexane	ND		100	16	ug/L			05/19/17 00:58	100
Methylene Chloride	55 J		100	44	ug/L			05/19/17 00:58	100
N-Propylbenzene	150		100	69	ug/L			05/19/17 00:58	100
Styrene	ND		100	73	ug/L			05/19/17 00:58	100
Tetrachloroethene	ND		100	36	ug/L			05/19/17 00:58	100
Toluene	ND		100	51	ug/L			05/19/17 00:58	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			05/19/17 00:58	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			05/19/17 00:58	100
Trichloroethene	ND		100	46	ug/L			05/19/17 00:58	100
Trichlorofluoromethane	ND		100	88	ug/L			05/19/17 00:58	100

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: DUP-20170509

Lab Sample ID: 480-117911-1

Date Collected: 05/09/17 00:00

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		100	90	ug/L			05/19/17 00:58	100
Xylenes, Total	1600		200	66	ug/L			05/19/17 00:58	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120					05/19/17 00:58	100
4-Bromofluorobenzene (Surr)	100		73 - 120					05/19/17 00:58	100
Dibromofluoromethane (Surr)	94		75 - 123					05/19/17 00:58	100
Toluene-d8 (Surr)	95		80 - 120					05/19/17 00:58	100

Client Sample ID: IW-2-20170509

Lab Sample ID: 480-117911-2

Date Collected: 05/09/17 09:40

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 01:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 01:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 01:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 01:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 01:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 01:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 01:25	1
1,2,4-Trimethylbenzene	63		1.0	0.75	ug/L			05/19/17 01:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 01:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 01:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 01:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 01:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 01:25	1
1,3,5-Trimethylbenzene	83		1.0	0.77	ug/L			05/19/17 01:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 01:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 01:25	1
2-Butanone (MEK)	1.6 J		10	1.3	ug/L			05/19/17 01:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 01:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 01:25	1
Acetone	21		10	3.0	ug/L			05/19/17 01:25	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 01:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 01:25	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 01:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 01:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 01:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 01:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 01:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 01:25	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 01:25	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 01:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 01:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 01:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 01:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 01:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 01:25	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-2-20170509

Lab Sample ID: 480-117911-2

Date Collected: 05/09/17 09:40

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.6		1.0	0.74	ug/L			05/19/17 01:25	1
Isopropylbenzene	16		1.0	0.79	ug/L			05/19/17 01:25	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 01:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 01:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 01:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 01:25	1
N-Propylbenzene	9.2		1.0	0.69	ug/L			05/19/17 01:25	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 01:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 01:25	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 01:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 01:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 01:25	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 01:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 01:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 01:25	1
Xylenes, Total	47		2.0	0.66	ug/L			05/19/17 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		05/19/17 01:25	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/17 01:25	1
Dibromofluoromethane (Surr)	95		75 - 123		05/19/17 01:25	1
Toluene-d8 (Surr)	98		80 - 120		05/19/17 01:25	1

Client Sample ID: IW-3-20170509

Lab Sample ID: 480-117911-3

Date Collected: 05/09/17 09:40

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 01:52	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			05/19/17 01:52	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			05/19/17 01:52	100
1,1,2-Trichloroethane	ND		100	23	ug/L			05/19/17 01:52	100
1,1-Dichloroethane	ND		100	38	ug/L			05/19/17 01:52	100
1,1-Dichloroethene	ND		100	29	ug/L			05/19/17 01:52	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			05/19/17 01:52	100
1,2,4-Trimethylbenzene	3500		100	75	ug/L			05/19/17 01:52	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			05/19/17 01:52	100
1,2-Dibromoethane	ND		100	73	ug/L			05/19/17 01:52	100
1,2-Dichlorobenzene	ND		100	79	ug/L			05/19/17 01:52	100
1,2-Dichloroethane	ND		100	21	ug/L			05/19/17 01:52	100
1,2-Dichloropropane	ND		100	72	ug/L			05/19/17 01:52	100
1,3,5-Trimethylbenzene	2400		100	77	ug/L			05/19/17 01:52	100
1,3-Dichlorobenzene	ND		100	78	ug/L			05/19/17 01:52	100
1,4-Dichlorobenzene	ND		100	84	ug/L			05/19/17 01:52	100
2-Butanone (MEK)	ND		1000	130	ug/L			05/19/17 01:52	100
2-Hexanone	ND		500	120	ug/L			05/19/17 01:52	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			05/19/17 01:52	100
Acetone	ND		1000	300	ug/L			05/19/17 01:52	100
Benzene	ND		100	41	ug/L			05/19/17 01:52	100

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-3-20170509

Lab Sample ID: 480-117911-3

Date Collected: 05/09/17 09:40

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		100	39	ug/L			05/19/17 01:52	100
Bromoform	ND		100	26	ug/L			05/19/17 01:52	100
Bromomethane	ND		100	69	ug/L			05/19/17 01:52	100
Carbon disulfide	ND		100	19	ug/L			05/19/17 01:52	100
Carbon tetrachloride	ND		100	27	ug/L			05/19/17 01:52	100
Chlorobenzene	ND		100	75	ug/L			05/19/17 01:52	100
Chloroethane	ND		100	32	ug/L			05/19/17 01:52	100
Chloroform	ND		100	34	ug/L			05/19/17 01:52	100
Chloromethane	ND		100	35	ug/L			05/19/17 01:52	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			05/19/17 01:52	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			05/19/17 01:52	100
Cyclohexane	ND		100	18	ug/L			05/19/17 01:52	100
Dibromochloromethane	ND		100	32	ug/L			05/19/17 01:52	100
Dichlorodifluoromethane	ND		100	68	ug/L			05/19/17 01:52	100
Ethylbenzene	ND		100	74	ug/L			05/19/17 01:52	100
Isopropylbenzene	160		100	79	ug/L			05/19/17 01:52	100
Methyl acetate	ND		250	130	ug/L			05/19/17 01:52	100
Methyl tert-butyl ether	ND		100	16	ug/L			05/19/17 01:52	100
Methylcyclohexane	ND		100	16	ug/L			05/19/17 01:52	100
Methylene Chloride	48 J		100	44	ug/L			05/19/17 01:52	100
N-Propylbenzene	160		100	69	ug/L			05/19/17 01:52	100
Styrene	ND		100	73	ug/L			05/19/17 01:52	100
Tetrachloroethene	ND		100	36	ug/L			05/19/17 01:52	100
Toluene	ND		100	51	ug/L			05/19/17 01:52	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			05/19/17 01:52	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			05/19/17 01:52	100
Trichloroethene	ND		100	46	ug/L			05/19/17 01:52	100
Trichlorofluoromethane	ND		100	88	ug/L			05/19/17 01:52	100
Vinyl chloride	ND		100	90	ug/L			05/19/17 01:52	100
Xylenes, Total	1600		200	66	ug/L			05/19/17 01:52	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		05/19/17 01:52	100
4-Bromofluorobenzene (Surr)	99		73 - 120		05/19/17 01:52	100
Dibromofluoromethane (Surr)	94		75 - 123		05/19/17 01:52	100
Toluene-d8 (Surr)	97		80 - 120		05/19/17 01:52	100

Client Sample ID: IW-1-20170509

Lab Sample ID: 480-117911-4

Date Collected: 05/09/17 12:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 02:20	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			05/19/17 02:20	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			05/19/17 02:20	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			05/19/17 02:20	20
1,1-Dichloroethane	ND		20	7.6	ug/L			05/19/17 02:20	20
1,1-Dichloroethene	ND		20	5.8	ug/L			05/19/17 02:20	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			05/19/17 02:20	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-1-20170509

Lab Sample ID: 480-117911-4

Date Collected: 05/09/17 12:00

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1200		20	15	ug/L			05/19/17 02:20	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			05/19/17 02:20	20
1,2-Dibromoethane	ND		20	15	ug/L			05/19/17 02:20	20
1,2-Dichlorobenzene	ND		20	16	ug/L			05/19/17 02:20	20
1,2-Dichloroethane	ND		20	4.2	ug/L			05/19/17 02:20	20
1,2-Dichloropropane	ND		20	14	ug/L			05/19/17 02:20	20
1,3,5-Trimethylbenzene	620		20	15	ug/L			05/19/17 02:20	20
1,3-Dichlorobenzene	ND		20	16	ug/L			05/19/17 02:20	20
1,4-Dichlorobenzene	ND		20	17	ug/L			05/19/17 02:20	20
2-Butanone (MEK)	ND		200	26	ug/L			05/19/17 02:20	20
2-Hexanone	ND		100	25	ug/L			05/19/17 02:20	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			05/19/17 02:20	20
Acetone	ND		200	60	ug/L			05/19/17 02:20	20
Benzene	ND		20	8.2	ug/L			05/19/17 02:20	20
Bromodichloromethane	ND		20	7.8	ug/L			05/19/17 02:20	20
Bromoform	ND		20	5.2	ug/L			05/19/17 02:20	20
Bromomethane	ND		20	14	ug/L			05/19/17 02:20	20
Carbon disulfide	ND		20	3.8	ug/L			05/19/17 02:20	20
Carbon tetrachloride	ND		20	5.4	ug/L			05/19/17 02:20	20
Chlorobenzene	ND		20	15	ug/L			05/19/17 02:20	20
Chloroethane	ND		20	6.4	ug/L			05/19/17 02:20	20
Chloroform	ND		20	6.8	ug/L			05/19/17 02:20	20
Chloromethane	ND		20	7.0	ug/L			05/19/17 02:20	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			05/19/17 02:20	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			05/19/17 02:20	20
Cyclohexane	ND		20	3.6	ug/L			05/19/17 02:20	20
Dibromochloromethane	ND		20	6.4	ug/L			05/19/17 02:20	20
Dichlorodifluoromethane	ND		20	14	ug/L			05/19/17 02:20	20
Ethylbenzene	ND		20	15	ug/L			05/19/17 02:20	20
Isopropylbenzene	36		20	16	ug/L			05/19/17 02:20	20
Methyl acetate	ND		50	26	ug/L			05/19/17 02:20	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			05/19/17 02:20	20
Methylcyclohexane	ND		20	3.2	ug/L			05/19/17 02:20	20
Methylene Chloride	ND		20	8.8	ug/L			05/19/17 02:20	20
N-Propylbenzene	39		20	14	ug/L			05/19/17 02:20	20
Styrene	ND		20	15	ug/L			05/19/17 02:20	20
Tetrachloroethene	ND		20	7.2	ug/L			05/19/17 02:20	20
Toluene	ND		20	10	ug/L			05/19/17 02:20	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			05/19/17 02:20	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			05/19/17 02:20	20
Trichloroethene	ND		20	9.2	ug/L			05/19/17 02:20	20
Trichlorofluoromethane	ND		20	18	ug/L			05/19/17 02:20	20
Vinyl chloride	ND		20	18	ug/L			05/19/17 02:20	20
Xylenes, Total	530		40	13	ug/L			05/19/17 02:20	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		05/19/17 02:20	20
4-Bromofluorobenzene (Surr)	103		73 - 120		05/19/17 02:20	20
Dibromofluoromethane (Surr)	95		75 - 123		05/19/17 02:20	20
Toluene-d8 (Surr)	98		80 - 120		05/19/17 02:20	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-4-20170509

Lab Sample ID: 480-117911-5

Date Collected: 05/09/17 11:55

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			05/19/17 02:46	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			05/19/17 02:46	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			05/19/17 02:46	50
1,1,2-Trichloroethane	ND		50	12	ug/L			05/19/17 02:46	50
1,1-Dichloroethane	ND		50	19	ug/L			05/19/17 02:46	50
1,1-Dichloroethene	ND		50	15	ug/L			05/19/17 02:46	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			05/19/17 02:46	50
1,2,4-Trimethylbenzene	930		50	38	ug/L			05/19/17 02:46	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			05/19/17 02:46	50
1,2-Dibromoethane	ND		50	37	ug/L			05/19/17 02:46	50
1,2-Dichlorobenzene	ND		50	40	ug/L			05/19/17 02:46	50
1,2-Dichloroethane	ND		50	11	ug/L			05/19/17 02:46	50
1,2-Dichloropropane	ND		50	36	ug/L			05/19/17 02:46	50
1,3,5-Trimethylbenzene	1600	F1	50	39	ug/L			05/19/17 02:46	50
1,3-Dichlorobenzene	ND		50	39	ug/L			05/19/17 02:46	50
1,4-Dichlorobenzene	ND		50	42	ug/L			05/19/17 02:46	50
2-Butanone (MEK)	ND		500	66	ug/L			05/19/17 02:46	50
2-Hexanone	ND		250	62	ug/L			05/19/17 02:46	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			05/19/17 02:46	50
Acetone	ND	F2	500	150	ug/L			05/19/17 02:46	50
Benzene	ND		50	21	ug/L			05/19/17 02:46	50
Bromodichloromethane	ND		50	20	ug/L			05/19/17 02:46	50
Bromoform	ND		50	13	ug/L			05/19/17 02:46	50
Bromomethane	ND		50	35	ug/L			05/19/17 02:46	50
Carbon disulfide	ND		50	9.5	ug/L			05/19/17 02:46	50
Carbon tetrachloride	ND		50	14	ug/L			05/19/17 02:46	50
Chlorobenzene	ND		50	38	ug/L			05/19/17 02:46	50
Chloroethane	ND		50	16	ug/L			05/19/17 02:46	50
Chloroform	ND		50	17	ug/L			05/19/17 02:46	50
Chloromethane	ND		50	18	ug/L			05/19/17 02:46	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			05/19/17 02:46	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			05/19/17 02:46	50
Cyclohexane	ND		50	9.0	ug/L			05/19/17 02:46	50
Dibromochloromethane	ND		50	16	ug/L			05/19/17 02:46	50
Dichlorodifluoromethane	ND		50	34	ug/L			05/19/17 02:46	50
Ethylbenzene	ND		50	37	ug/L			05/19/17 02:46	50
Isopropylbenzene	300		50	40	ug/L			05/19/17 02:46	50
Methyl acetate	ND	F1	130	65	ug/L			05/19/17 02:46	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			05/19/17 02:46	50
Methylcyclohexane	ND		50	8.0	ug/L			05/19/17 02:46	50
Methylene Chloride	25	J	50	22	ug/L			05/19/17 02:46	50
N-Propylbenzene	300		50	35	ug/L			05/19/17 02:46	50
Styrene	ND		50	37	ug/L			05/19/17 02:46	50
Tetrachloroethene	ND		50	18	ug/L			05/19/17 02:46	50
Toluene	ND		50	26	ug/L			05/19/17 02:46	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			05/19/17 02:46	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			05/19/17 02:46	50
Trichloroethene	ND		50	23	ug/L			05/19/17 02:46	50
Trichlorofluoromethane	ND		50	44	ug/L			05/19/17 02:46	50

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-4-20170509

Lab Sample ID: 480-117911-5

Date Collected: 05/09/17 11:55

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		50	45	ug/L			05/19/17 02:46	50
Xylenes, Total	190		100	33	ug/L			05/19/17 02:46	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120					05/19/17 02:46	50
4-Bromofluorobenzene (Surr)	101		73 - 120					05/19/17 02:46	50
Dibromofluoromethane (Surr)	92		75 - 123					05/19/17 02:46	50
Toluene-d8 (Surr)	97		80 - 120					05/19/17 02:46	50

Client Sample ID: IW-5-20170509

Lab Sample ID: 480-117911-6

Date Collected: 05/09/17 13:10

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	21	ug/L			05/19/17 03:14	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			05/19/17 03:14	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			05/19/17 03:14	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			05/19/17 03:14	25
1,1-Dichloroethane	ND		25	9.5	ug/L			05/19/17 03:14	25
1,1-Dichloroethene	ND		25	7.3	ug/L			05/19/17 03:14	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			05/19/17 03:14	25
1,2,4-Trimethylbenzene	1500		25	19	ug/L			05/19/17 03:14	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			05/19/17 03:14	25
1,2-Dibromoethane	ND		25	18	ug/L			05/19/17 03:14	25
1,2-Dichlorobenzene	ND		25	20	ug/L			05/19/17 03:14	25
1,2-Dichloroethane	ND		25	5.3	ug/L			05/19/17 03:14	25
1,2-Dichloropropane	ND		25	18	ug/L			05/19/17 03:14	25
1,3,5-Trimethylbenzene	1300		25	19	ug/L			05/19/17 03:14	25
1,3-Dichlorobenzene	ND		25	20	ug/L			05/19/17 03:14	25
1,4-Dichlorobenzene	ND		25	21	ug/L			05/19/17 03:14	25
2-Butanone (MEK)	ND		250	33	ug/L			05/19/17 03:14	25
2-Hexanone	ND		130	31	ug/L			05/19/17 03:14	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			05/19/17 03:14	25
Acetone	ND		250	75	ug/L			05/19/17 03:14	25
Benzene	ND		25	10	ug/L			05/19/17 03:14	25
Bromodichloromethane	ND		25	9.8	ug/L			05/19/17 03:14	25
Bromoform	ND		25	6.5	ug/L			05/19/17 03:14	25
Bromomethane	ND		25	17	ug/L			05/19/17 03:14	25
Carbon disulfide	ND		25	4.8	ug/L			05/19/17 03:14	25
Carbon tetrachloride	ND		25	6.8	ug/L			05/19/17 03:14	25
Chlorobenzene	ND		25	19	ug/L			05/19/17 03:14	25
Chloroethane	ND		25	8.0	ug/L			05/19/17 03:14	25
Chloroform	ND		25	8.5	ug/L			05/19/17 03:14	25
Chloromethane	ND		25	8.8	ug/L			05/19/17 03:14	25
cis-1,2-Dichloroethene	ND		25	20	ug/L			05/19/17 03:14	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			05/19/17 03:14	25
Cyclohexane	ND		25	4.5	ug/L			05/19/17 03:14	25
Dibromochloromethane	ND		25	8.0	ug/L			05/19/17 03:14	25
Dichlorodifluoromethane	ND		25	17	ug/L			05/19/17 03:14	25

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-5-20170509

Lab Sample ID: 480-117911-6

Date Collected: 05/09/17 13:10

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		25	19	ug/L			05/19/17 03:14	25
Isopropylbenzene	120		25	20	ug/L			05/19/17 03:14	25
Methyl acetate	ND		63	33	ug/L			05/19/17 03:14	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			05/19/17 03:14	25
Methylcyclohexane	ND		25	4.0	ug/L			05/19/17 03:14	25
Methylene Chloride	ND		25	11	ug/L			05/19/17 03:14	25
N-Propylbenzene	86		25	17	ug/L			05/19/17 03:14	25
Styrene	ND		25	18	ug/L			05/19/17 03:14	25
Tetrachloroethene	ND		25	9.0	ug/L			05/19/17 03:14	25
Toluene	ND		25	13	ug/L			05/19/17 03:14	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			05/19/17 03:14	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			05/19/17 03:14	25
Trichloroethene	ND		25	12	ug/L			05/19/17 03:14	25
Trichlorofluoromethane	ND		25	22	ug/L			05/19/17 03:14	25
Vinyl chloride	ND		25	23	ug/L			05/19/17 03:14	25
Xylenes, Total	790		50	17	ug/L			05/19/17 03:14	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		05/19/17 03:14	25
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/17 03:14	25
Dibromofluoromethane (Surr)	97		75 - 123		05/19/17 03:14	25
Toluene-d8 (Surr)	97		80 - 120		05/19/17 03:14	25

Client Sample ID: IW-6-20170509

Lab Sample ID: 480-117911-7

Date Collected: 05/09/17 15:15

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			05/19/17 03:41	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			05/19/17 03:41	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			05/19/17 03:41	50
1,1,2-Trichloroethane	ND		50	12	ug/L			05/19/17 03:41	50
1,1-Dichloroethane	ND		50	19	ug/L			05/19/17 03:41	50
1,1-Dichloroethene	ND		50	15	ug/L			05/19/17 03:41	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			05/19/17 03:41	50
1,2,4-Trimethylbenzene	2000		50	38	ug/L			05/19/17 03:41	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			05/19/17 03:41	50
1,2-Dibromoethane	ND		50	37	ug/L			05/19/17 03:41	50
1,2-Dichlorobenzene	ND		50	40	ug/L			05/19/17 03:41	50
1,2-Dichloroethane	ND		50	11	ug/L			05/19/17 03:41	50
1,2-Dichloropropane	ND		50	36	ug/L			05/19/17 03:41	50
1,3,5-Trimethylbenzene	1200		50	39	ug/L			05/19/17 03:41	50
1,3-Dichlorobenzene	ND		50	39	ug/L			05/19/17 03:41	50
1,4-Dichlorobenzene	ND		50	42	ug/L			05/19/17 03:41	50
2-Butanone (MEK)	ND		500	66	ug/L			05/19/17 03:41	50
2-Hexanone	ND		250	62	ug/L			05/19/17 03:41	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			05/19/17 03:41	50
Acetone	ND		500	150	ug/L			05/19/17 03:41	50
Benzene	ND		50	21	ug/L			05/19/17 03:41	50

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-6-20170509

Lab Sample ID: 480-117911-7

Date Collected: 05/09/17 15:15

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		50	20	ug/L			05/19/17 03:41	50
Bromoform	ND		50	13	ug/L			05/19/17 03:41	50
Bromomethane	ND		50	35	ug/L			05/19/17 03:41	50
Carbon disulfide	ND		50	9.5	ug/L			05/19/17 03:41	50
Carbon tetrachloride	ND		50	14	ug/L			05/19/17 03:41	50
Chlorobenzene	ND		50	38	ug/L			05/19/17 03:41	50
Chloroethane	ND		50	16	ug/L			05/19/17 03:41	50
Chloroform	ND		50	17	ug/L			05/19/17 03:41	50
Chloromethane	ND		50	18	ug/L			05/19/17 03:41	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			05/19/17 03:41	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			05/19/17 03:41	50
Cyclohexane	ND		50	9.0	ug/L			05/19/17 03:41	50
Dibromochloromethane	ND		50	16	ug/L			05/19/17 03:41	50
Dichlorodifluoromethane	ND		50	34	ug/L			05/19/17 03:41	50
Ethylbenzene	ND		50	37	ug/L			05/19/17 03:41	50
Isopropylbenzene	250		50	40	ug/L			05/19/17 03:41	50
Methyl acetate	ND		130	65	ug/L			05/19/17 03:41	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			05/19/17 03:41	50
Methylcyclohexane	ND		50	8.0	ug/L			05/19/17 03:41	50
Methylene Chloride	27 J		50	22	ug/L			05/19/17 03:41	50
N-Propylbenzene	310		50	35	ug/L			05/19/17 03:41	50
Styrene	ND		50	37	ug/L			05/19/17 03:41	50
Tetrachloroethene	ND		50	18	ug/L			05/19/17 03:41	50
Toluene	ND		50	26	ug/L			05/19/17 03:41	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			05/19/17 03:41	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			05/19/17 03:41	50
Trichloroethene	ND		50	23	ug/L			05/19/17 03:41	50
Trichlorofluoromethane	ND		50	44	ug/L			05/19/17 03:41	50
Vinyl chloride	ND		50	45	ug/L			05/19/17 03:41	50
Xylenes, Total	2000		100	33	ug/L			05/19/17 03:41	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		05/19/17 03:41	50
4-Bromofluorobenzene (Surr)	102		73 - 120		05/19/17 03:41	50
Dibromofluoromethane (Surr)	96		75 - 123		05/19/17 03:41	50
Toluene-d8 (Surr)	97		80 - 120		05/19/17 03:41	50

Client Sample ID: VRI-1-20170509

Lab Sample ID: 480-117911-8

Date Collected: 05/09/17 13:55

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 04:08	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			05/19/17 04:08	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			05/19/17 04:08	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			05/19/17 04:08	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			05/19/17 04:08	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			05/19/17 04:08	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			05/19/17 04:08	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-1-20170509

Lab Sample ID: 480-117911-8

Date Collected: 05/09/17 13:55

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	97		5.0	3.8	ug/L			05/19/17 04:08	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			05/19/17 04:08	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			05/19/17 04:08	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			05/19/17 04:08	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			05/19/17 04:08	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			05/19/17 04:08	5
1,3,5-Trimethylbenzene	130		5.0	3.9	ug/L			05/19/17 04:08	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			05/19/17 04:08	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			05/19/17 04:08	5
2-Butanone (MEK)	ND		50	6.6	ug/L			05/19/17 04:08	5
2-Hexanone	ND		25	6.2	ug/L			05/19/17 04:08	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			05/19/17 04:08	5
Acetone	ND		50	15	ug/L			05/19/17 04:08	5
Benzene	ND		5.0	2.1	ug/L			05/19/17 04:08	5
Bromodichloromethane	ND		5.0	2.0	ug/L			05/19/17 04:08	5
Bromoform	ND		5.0	1.3	ug/L			05/19/17 04:08	5
Bromomethane	ND		5.0	3.5	ug/L			05/19/17 04:08	5
Carbon disulfide	ND		5.0	0.95	ug/L			05/19/17 04:08	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			05/19/17 04:08	5
Chlorobenzene	ND		5.0	3.8	ug/L			05/19/17 04:08	5
Chloroethane	ND		5.0	1.6	ug/L			05/19/17 04:08	5
Chloroform	ND		5.0	1.7	ug/L			05/19/17 04:08	5
Chloromethane	ND		5.0	1.8	ug/L			05/19/17 04:08	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			05/19/17 04:08	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			05/19/17 04:08	5
Cyclohexane	ND		5.0	0.90	ug/L			05/19/17 04:08	5
Dibromochloromethane	ND		5.0	1.6	ug/L			05/19/17 04:08	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			05/19/17 04:08	5
Ethylbenzene	ND		5.0	3.7	ug/L			05/19/17 04:08	5
Isopropylbenzene	9.0		5.0	4.0	ug/L			05/19/17 04:08	5
Methyl acetate	ND		13	6.5	ug/L			05/19/17 04:08	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			05/19/17 04:08	5
Methylcyclohexane	ND		5.0	0.80	ug/L			05/19/17 04:08	5
Methylene Chloride	ND		5.0	2.2	ug/L			05/19/17 04:08	5
N-Propylbenzene	5.6		5.0	3.5	ug/L			05/19/17 04:08	5
Styrene	ND		5.0	3.7	ug/L			05/19/17 04:08	5
Tetrachloroethene	ND		5.0	1.8	ug/L			05/19/17 04:08	5
Toluene	ND		5.0	2.6	ug/L			05/19/17 04:08	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			05/19/17 04:08	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			05/19/17 04:08	5
Trichloroethene	ND		5.0	2.3	ug/L			05/19/17 04:08	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			05/19/17 04:08	5
Vinyl chloride	ND		5.0	4.5	ug/L			05/19/17 04:08	5
Xylenes, Total	260		10	3.3	ug/L			05/19/17 04:08	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		05/19/17 04:08	5
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/17 04:08	5
Dibromofluoromethane (Surr)	92		75 - 123		05/19/17 04:08	5
Toluene-d8 (Surr)	98		80 - 120		05/19/17 04:08	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-3-20170510

Lab Sample ID: 480-117911-9

Date Collected: 05/10/17 11:20

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 04:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 04:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 04:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 04:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 04:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 04:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 04:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 04:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 04:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 04:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 04:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 04:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 04:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 04:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 04:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 04:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 04:35	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 04:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 04:35	1
Acetone	3.0	J	10	3.0	ug/L			05/19/17 04:35	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 04:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 04:35	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 04:35	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 04:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 04:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 04:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 04:35	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 04:35	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 04:35	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 04:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 04:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 04:35	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 04:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 04:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 04:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 04:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 04:35	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 04:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 04:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 04:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 04:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 04:35	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 04:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 04:35	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 04:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 04:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 04:35	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 04:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 04:35	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-3-20170510

Lab Sample ID: 480-117911-9

Date Collected: 05/10/17 11:20

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 04:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 04:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120					05/19/17 04:35	1
4-Bromofluorobenzene (Surr)	99		73 - 120					05/19/17 04:35	1
Dibromofluoromethane (Surr)	91		75 - 123					05/19/17 04:35	1
Toluene-d8 (Surr)	96		80 - 120					05/19/17 04:35	1

Client Sample ID: GT-14-20170510

Lab Sample ID: 480-117911-10

Date Collected: 05/10/17 10:30

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 05:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 05:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 05:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 05:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 05:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 05:02	1
1,2,4-Trimethylbenzene	2.1		1.0	0.75	ug/L			05/19/17 05:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 05:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 05:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 05:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 05:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 05:02	1
1,3,5-Trimethylbenzene	1.6		1.0	0.77	ug/L			05/19/17 05:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 05:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 05:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 05:02	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 05:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 05:02	1
Acetone	ND		10	3.0	ug/L			05/19/17 05:02	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 05:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 05:02	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 05:02	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 05:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 05:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 05:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 05:02	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 05:02	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 05:02	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 05:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 05:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 05:02	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 05:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 05:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 05:02	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-14-20170510

Lab Sample ID: 480-117911-10

Date Collected: 05/10/17 10:30

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 05:02	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 05:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 05:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 05:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 05:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 05:02	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 05:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 05:02	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 05:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 05:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 05:02	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 05:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 05:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 05:02	1
Xylenes, Total	1.6	J	2.0	0.66	ug/L			05/19/17 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		05/19/17 05:02	1
4-Bromofluorobenzene (Surr)	102		73 - 120		05/19/17 05:02	1
Dibromofluoromethane (Surr)	96		75 - 123		05/19/17 05:02	1
Toluene-d8 (Surr)	96		80 - 120		05/19/17 05:02	1

Client Sample ID: GT-15-20170510

Lab Sample ID: 480-117911-11

Date Collected: 05/10/17 11:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 05:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 05:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 05:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 05:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 05:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 05:29	1
1,2,4-Trimethylbenzene	2.3		1.0	0.75	ug/L			05/19/17 05:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 05:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 05:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 05:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 05:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 05:29	1
1,3,5-Trimethylbenzene	1.7		1.0	0.77	ug/L			05/19/17 05:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 05:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 05:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 05:29	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 05:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 05:29	1
Acetone	ND		10	3.0	ug/L			05/19/17 05:29	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 05:29	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-15-20170510

Lab Sample ID: 480-117911-11

Date Collected: 05/10/17 11:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:29	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 05:29	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 05:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 05:29	1
Carbon tetrachloride	0.35	J	1.0	0.27	ug/L			05/19/17 05:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 05:29	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 05:29	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 05:29	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 05:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 05:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 05:29	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 05:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 05:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 05:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 05:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 05:29	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 05:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 05:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 05:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 05:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 05:29	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 05:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 05:29	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 05:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 05:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 05:29	1
Trichloroethene	3.5		1.0	0.46	ug/L			05/19/17 05:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 05:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 05:29	1
Xylenes, Total	2.3		2.0	0.66	ug/L			05/19/17 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		05/19/17 05:29	1
4-Bromofluorobenzene (Surr)	102		73 - 120		05/19/17 05:29	1
Dibromofluoromethane (Surr)	95		75 - 123		05/19/17 05:29	1
Toluene-d8 (Surr)	98		80 - 120		05/19/17 05:29	1

Client Sample ID: VRI-9

Lab Sample ID: 480-117911-12

Date Collected: 05/10/17 14:15

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 05:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 05:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 05:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 05:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 05:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 05:57	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-9

Lab Sample ID: 480-117911-12

Date Collected: 05/10/17 14:15

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	3.5		1.0	0.75	ug/L			05/19/17 05:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 05:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 05:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 05:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 05:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 05:57	1
1,3,5-Trimethylbenzene	2.5		1.0	0.77	ug/L			05/19/17 05:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 05:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 05:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 05:57	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 05:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 05:57	1
Acetone	5.7 J		10	3.0	ug/L			05/19/17 05:57	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 05:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 05:57	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 05:57	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 05:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 05:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 05:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 05:57	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 05:57	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 05:57	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 05:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 05:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 05:57	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 05:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 05:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 05:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 05:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 05:57	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 05:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 05:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 05:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 05:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 05:57	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 05:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 05:57	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 05:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 05:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 05:57	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 05:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 05:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 05:57	1
Xylenes, Total	3.1		2.0	0.66	ug/L			05/19/17 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		05/19/17 05:57	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/19/17 05:57	1
Dibromofluoromethane (Surr)	93		75 - 123		05/19/17 05:57	1
Toluene-d8 (Surr)	95		80 - 120		05/19/17 05:57	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-2
Date Collected: 05/10/17 16:40
Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-13
Matrix: Water

Method: 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			05/19/17 06:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 06:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 06:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 06:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 06:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 06:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 06:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 06:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 06:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 06:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 06:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 06:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 06:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 06:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 06:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 06:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 06:24	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 06:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 06:24	1
Acetone	ND		10	3.0	ug/L			05/19/17 06:24	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 06:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 06:24	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 06:24	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 06:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 06:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 06:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 06:24	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 06:24	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 06:24	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 06:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 06:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 06:24	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 06:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 06:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 06:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 06:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 06:24	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 06:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 06:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 06:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 06:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 06:24	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 06:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 06:24	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 06:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 06:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 06:24	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 06:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 06:24	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-2

Date Collected: 05/10/17 16:40

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-13

Matrix: Water

Method: 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			05/19/17 06:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 06:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120					05/19/17 06:24	1
4-Bromofluorobenzene (Surr)	101		73 - 120					05/19/17 06:24	1
Dibromofluoromethane (Surr)	95		75 - 123					05/19/17 06:24	1
Toluene-d8 (Surr)	94		80 - 120					05/19/17 06:24	1

Client Sample ID: TRIP BLANK

Date Collected: 05/10/17 00:00

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-14

Matrix: Water

Method: 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			05/20/17 06:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/20/17 06:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/20/17 06:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/20/17 06:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/20/17 06:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/20/17 06:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/20/17 06:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/20/17 06:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/20/17 06:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/20/17 06:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/20/17 06:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/20/17 06:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/20/17 06:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/20/17 06:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/20/17 06:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/20/17 06:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/20/17 06:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/20/17 06:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/20/17 06:58	1
Acetone	ND		10	3.0	ug/L			05/20/17 06:58	1
Benzene	ND		1.0	0.41	ug/L			05/20/17 06:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/20/17 06:58	1
Bromoform	ND		1.0	0.26	ug/L			05/20/17 06:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/20/17 06:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/20/17 06:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/20/17 06:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/20/17 06:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/20/17 06:58	1
Chloroform	ND		1.0	0.34	ug/L			05/20/17 06:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/20/17 06:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/20/17 06:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/20/17 06:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/20/17 06:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/20/17 06:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/20/17 06:58	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-117911-14

Date Collected: 05/10/17 00:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/20/17 06:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/20/17 06:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/20/17 06:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/20/17 06:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/20/17 06:58	1
Methylene Chloride	0.85	J B	1.0	0.44	ug/L			05/20/17 06:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/20/17 06:58	1
Styrene	ND		1.0	0.73	ug/L			05/20/17 06:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/20/17 06:58	1
Toluene	ND		1.0	0.51	ug/L			05/20/17 06:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/20/17 06:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/20/17 06:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/20/17 06:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/20/17 06:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/20/17 06:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/20/17 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		05/20/17 06:58	1
4-Bromofluorobenzene (Surr)	99		73 - 120		05/20/17 06:58	1
Dibromofluoromethane (Surr)	91		75 - 123		05/20/17 06:58	1
Toluene-d8 (Surr)	94		80 - 120		05/20/17 06:58	1

Client Sample ID: IW7-20170509

Lab Sample ID: 480-117911-15

Date Collected: 05/09/17 15:20

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 06:52	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			05/19/17 06:52	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			05/19/17 06:52	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			05/19/17 06:52	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			05/19/17 06:52	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			05/19/17 06:52	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			05/19/17 06:52	5
1,2,4-Trimethylbenzene	300		5.0	3.8	ug/L			05/19/17 06:52	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			05/19/17 06:52	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			05/19/17 06:52	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			05/19/17 06:52	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			05/19/17 06:52	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			05/19/17 06:52	5
1,3,5-Trimethylbenzene	260		5.0	3.9	ug/L			05/19/17 06:52	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			05/19/17 06:52	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			05/19/17 06:52	5
2-Butanone (MEK)	ND		50	6.6	ug/L			05/19/17 06:52	5
2-Hexanone	ND		25	6.2	ug/L			05/19/17 06:52	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			05/19/17 06:52	5
Acetone	15	J	50	15	ug/L			05/19/17 06:52	5
Benzene	ND		5.0	2.1	ug/L			05/19/17 06:52	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW7-20170509

Lab Sample ID: 480-117911-15

Date Collected: 05/09/17 15:20

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0	2.0	ug/L			05/19/17 06:52	5
Bromoform	ND		5.0	1.3	ug/L			05/19/17 06:52	5
Bromomethane	ND		5.0	3.5	ug/L			05/19/17 06:52	5
Carbon disulfide	ND		5.0	0.95	ug/L			05/19/17 06:52	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			05/19/17 06:52	5
Chlorobenzene	ND		5.0	3.8	ug/L			05/19/17 06:52	5
Chloroethane	ND		5.0	1.6	ug/L			05/19/17 06:52	5
Chloroform	ND		5.0	1.7	ug/L			05/19/17 06:52	5
Chloromethane	ND		5.0	1.8	ug/L			05/19/17 06:52	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			05/19/17 06:52	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			05/19/17 06:52	5
Cyclohexane	ND		5.0	0.90	ug/L			05/19/17 06:52	5
Dibromochloromethane	ND		5.0	1.6	ug/L			05/19/17 06:52	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			05/19/17 06:52	5
Ethylbenzene	ND		5.0	3.7	ug/L			05/19/17 06:52	5
Isopropylbenzene	9.3		5.0	4.0	ug/L			05/19/17 06:52	5
Methyl acetate	ND		13	6.5	ug/L			05/19/17 06:52	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			05/19/17 06:52	5
Methylcyclohexane	ND		5.0	0.80	ug/L			05/19/17 06:52	5
Methylene Chloride	ND		5.0	2.2	ug/L			05/19/17 06:52	5
N-Propylbenzene	6.3		5.0	3.5	ug/L			05/19/17 06:52	5
Styrene	ND		5.0	3.7	ug/L			05/19/17 06:52	5
Tetrachloroethene	ND		5.0	1.8	ug/L			05/19/17 06:52	5
Toluene	ND		5.0	2.6	ug/L			05/19/17 06:52	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			05/19/17 06:52	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			05/19/17 06:52	5
Trichloroethene	ND		5.0	2.3	ug/L			05/19/17 06:52	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			05/19/17 06:52	5
Vinyl chloride	ND		5.0	4.5	ug/L			05/19/17 06:52	5
Xylenes, Total	220		10	3.3	ug/L			05/19/17 06:52	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		05/19/17 06:52	5
4-Bromofluorobenzene (Surr)	98		73 - 120		05/19/17 06:52	5
Dibromofluoromethane (Surr)	96		75 - 123		05/19/17 06:52	5
Toluene-d8 (Surr)	97		80 - 120		05/19/17 06:52	5

Client Sample ID: VRI-4-20170510

Lab Sample ID: 480-117911-16

Date Collected: 05/10/17 13:40

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 13:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 13:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 13:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 13:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 13:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 13:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 13:47	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-4-20170510

Lab Sample ID: 480-117911-16

Date Collected: 05/10/17 13:40

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 13:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 13:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 13:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 13:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 13:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 13:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 13:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 13:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 13:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 13:47	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 13:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 13:47	1
Acetone	3.7	J	10	3.0	ug/L			05/19/17 13:47	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 13:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 13:47	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 13:47	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 13:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 13:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 13:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 13:47	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 13:47	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 13:47	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 13:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 13:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 13:47	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 13:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 13:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 13:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 13:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 13:47	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 13:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 13:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 13:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 13:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 13:47	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 13:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 13:47	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 13:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 13:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 13:47	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 13:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 13:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 13:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/19/17 13:47	1
4-Bromofluorobenzene (Surr)	98		73 - 120		05/19/17 13:47	1
Dibromofluoromethane (Surr)	92		75 - 123		05/19/17 13:47	1
Toluene-d8 (Surr)	98		80 - 120		05/19/17 13:47	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-9R-20170510

Lab Sample ID: 480-117911-17

Date Collected: 05/10/17 16:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 14:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 14:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 14:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 14:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 14:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 14:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 14:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 14:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 14:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 14:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 14:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 14:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 14:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 14:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 14:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 14:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 14:10	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 14:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 14:10	1
Acetone	3.1	J	10	3.0	ug/L			05/19/17 14:10	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 14:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 14:10	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 14:10	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 14:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 14:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 14:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 14:10	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 14:10	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 14:10	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 14:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 14:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 14:10	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 14:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 14:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 14:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 14:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 14:10	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 14:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 14:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 14:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 14:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 14:10	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 14:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 14:10	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 14:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 14:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 14:10	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 14:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 14:10	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-9R-20170510

Lab Sample ID: 480-117911-17

Date Collected: 05/10/17 16:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 14:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					05/19/17 14:10	1
4-Bromofluorobenzene (Surr)	97		73 - 120					05/19/17 14:10	1
Dibromofluoromethane (Surr)	97		75 - 123					05/19/17 14:10	1
Toluene-d8 (Surr)	95		80 - 120					05/19/17 14:10	1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-117911-18

Date Collected: 05/10/17 16:30

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/20/17 07:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/20/17 07:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/20/17 07:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/20/17 07:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/20/17 07:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/20/17 07:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/20/17 07:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/20/17 07:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/20/17 07:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/20/17 07:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/20/17 07:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/20/17 07:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/20/17 07:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/20/17 07:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/20/17 07:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/20/17 07:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/20/17 07:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/20/17 07:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/20/17 07:25	1
Acetone	ND		10	3.0	ug/L			05/20/17 07:25	1
Benzene	ND		1.0	0.41	ug/L			05/20/17 07:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/20/17 07:25	1
Bromoform	ND		1.0	0.26	ug/L			05/20/17 07:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/20/17 07:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/20/17 07:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/20/17 07:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/20/17 07:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/20/17 07:25	1
Chloroform	ND		1.0	0.34	ug/L			05/20/17 07:25	1
Chloromethane	ND		1.0	0.35	ug/L			05/20/17 07:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/20/17 07:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/20/17 07:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/20/17 07:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/20/17 07:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/20/17 07:25	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-117911-18

Date Collected: 05/10/17 16:30

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/20/17 07:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/20/17 07:25	1
Methyl acetate	ND		2.5	1.3	ug/L			05/20/17 07:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/20/17 07:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/20/17 07:25	1
Methylene Chloride	1.4	B	1.0	0.44	ug/L			05/20/17 07:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/20/17 07:25	1
Styrene	ND		1.0	0.73	ug/L			05/20/17 07:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/20/17 07:25	1
Toluene	ND		1.0	0.51	ug/L			05/20/17 07:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/20/17 07:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/20/17 07:25	1
Trichloroethene	ND		1.0	0.46	ug/L			05/20/17 07:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/20/17 07:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/20/17 07:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/20/17 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		77 - 120		05/20/17 07:25	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/20/17 07:25	1
Dibromofluoromethane (Surr)	93		75 - 123		05/20/17 07:25	1
Toluene-d8 (Surr)	94		80 - 120		05/20/17 07:25	1

Client Sample ID: GT-7-20170511

Lab Sample ID: 480-117911-19

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/22/17 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/17 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/17 15:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/17 15:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/17 15:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/22/17 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/17 15:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/22/17 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/17 15:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/17 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/17 15:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/17 15:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/17 15:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/22/17 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/17 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/17 15:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/17 15:30	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/17 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/17 15:30	1
Acetone	3.1	J	10	3.0	ug/L			05/22/17 15:30	1
Benzene	ND		1.0	0.41	ug/L			05/22/17 15:30	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-7-20170511

Lab Sample ID: 480-117911-19

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/22/17 15:30	1
Bromoform	ND		1.0	0.26	ug/L			05/22/17 15:30	1
Bromomethane	ND		1.0	0.69	ug/L			05/22/17 15:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/22/17 15:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/22/17 15:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/17 15:30	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/17 15:30	1
Chloroform	ND		1.0	0.34	ug/L			05/22/17 15:30	1
Chloromethane	ND		1.0	0.35	ug/L			05/22/17 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/17 15:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/17 15:30	1
Cyclohexane	ND		1.0	0.18	ug/L			05/22/17 15:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/17 15:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/17 15:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/17 15:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/17 15:30	1
Methyl acetate	ND		2.5	1.3	ug/L			05/22/17 15:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/17 15:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/17 15:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/17 15:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/22/17 15:30	1
Styrene	ND		1.0	0.73	ug/L			05/22/17 15:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/22/17 15:30	1
Toluene	ND		1.0	0.51	ug/L			05/22/17 15:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/17 15:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/17 15:30	1
Trichloroethene	ND		1.0	0.46	ug/L			05/22/17 15:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/17 15:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/17 15:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/17 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		05/22/17 15:30	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/22/17 15:30	1
Dibromofluoromethane (Surr)	104		75 - 123		05/22/17 15:30	1
Toluene-d8 (Surr)	97		80 - 120		05/22/17 15:30	1

Client Sample ID: GT-16-20170511

Lab Sample ID: 480-117911-20

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/22/17 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/17 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/17 15:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/17 15:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/17 15:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/22/17 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/17 15:53	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-16-20170511

Lab Sample ID: 480-117911-20

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/22/17 15:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/17 15:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/17 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/17 15:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/17 15:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/17 15:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/22/17 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/17 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/17 15:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/17 15:53	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/17 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/17 15:53	1
Acetone	3.2	J	10	3.0	ug/L			05/22/17 15:53	1
Benzene	ND		1.0	0.41	ug/L			05/22/17 15:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/22/17 15:53	1
Bromoform	ND		1.0	0.26	ug/L			05/22/17 15:53	1
Bromomethane	ND		1.0	0.69	ug/L			05/22/17 15:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/22/17 15:53	1
Carbon tetrachloride	1.1		1.0	0.27	ug/L			05/22/17 15:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/17 15:53	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/17 15:53	1
Chloroform	3.0		1.0	0.34	ug/L			05/22/17 15:53	1
Chloromethane	ND		1.0	0.35	ug/L			05/22/17 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/17 15:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/17 15:53	1
Cyclohexane	ND		1.0	0.18	ug/L			05/22/17 15:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/17 15:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/17 15:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/17 15:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/17 15:53	1
Methyl acetate	ND		2.5	1.3	ug/L			05/22/17 15:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/17 15:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/17 15:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/17 15:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/22/17 15:53	1
Styrene	ND		1.0	0.73	ug/L			05/22/17 15:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/22/17 15:53	1
Toluene	ND		1.0	0.51	ug/L			05/22/17 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/17 15:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/17 15:53	1
Trichloroethene	12		1.0	0.46	ug/L			05/22/17 15:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/17 15:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/17 15:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/17 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		05/22/17 15:53	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/22/17 15:53	1
Dibromofluoromethane (Surr)	99		75 - 123		05/22/17 15:53	1
Toluene-d8 (Surr)	97		80 - 120		05/22/17 15:53	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-117911-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-117911-1	DUP-20170509	90	100	94	95
480-117911-2	IW-2-20170509	90	101	95	98
480-117911-3	IW-3-20170509	91	99	94	97
480-117911-4	IW-1-20170509	94	103	95	98
480-117911-5	IW-4-20170509	90	101	92	97
480-117911-5 MS	IW-4-20170509	88	100	93	98
480-117911-5 MSD	IW-4-20170509	90	101	96	98
480-117911-6	IW-5-20170509	94	101	97	97
480-117911-7	IW-6-20170509	93	102	96	97
480-117911-8	VRI-1-20170509	89	101	92	98
480-117911-9	VRI-3-20170510	91	99	91	96
480-117911-10	GT-14-20170510	93	102	96	96
480-117911-11	GT-15-20170510	92	102	95	98
480-117911-12	VRI-9	87	100	93	95
480-117911-13	VRI-2	92	101	95	94
480-117911-14	TRIP BLANK	88	99	91	94
480-117911-15	IW7-20170509	91	98	96	97
480-117911-16	VRI-4-20170510	101	98	92	98
480-117911-17	GT-9R-20170510	100	97	97	95
480-117911-18	FIELD BLANK	86	100	93	94
480-117911-19	GT-7-20170511	112	101	104	97
480-117911-20	GT-16-20170511	109	100	99	97
LCS 480-358136/4	Lab Control Sample	89	103	95	98
LCS 480-358197/4	Lab Control Sample	103	99	98	99
LCS 480-358335/4	Lab Control Sample	89	105	93	96
LCS 480-358446/4	Lab Control Sample	100	102	97	97
MB 480-358136/6	Method Blank	92	99	95	97
MB 480-358197/6	Method Blank	101	97	96	97
MB 480-358335/6	Method Blank	87	100	93	98
MB 480-358446/6	Method Blank	107	98	100	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: MB 480-358136/6

Matrix: Water

Analysis Batch: 358136

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			05/18/17 23:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/17 23:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/18/17 23:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/17 23:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/18/17 23:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/17 23:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/18/17 23:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/18/17 23:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/18/17 23:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/18/17 23:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/18/17 23:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/17 23:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/17 23:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/18/17 23:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/18/17 23:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/18/17 23:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/17 23:55	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/17 23:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/17 23:55	1
Acetone	ND		10	3.0	ug/L			05/18/17 23:55	1
Benzene	ND		1.0	0.41	ug/L			05/18/17 23:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/17 23:55	1
Bromoform	ND		1.0	0.26	ug/L			05/18/17 23:55	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/17 23:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/17 23:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/17 23:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/17 23:55	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/17 23:55	1
Chloroform	ND		1.0	0.34	ug/L			05/18/17 23:55	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/17 23:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/18/17 23:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/17 23:55	1
Cyclohexane	ND		1.0	0.18	ug/L			05/18/17 23:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/17 23:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/18/17 23:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/18/17 23:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/18/17 23:55	1
Methyl acetate	ND		2.5	1.3	ug/L			05/18/17 23:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/18/17 23:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/18/17 23:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/17 23:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/18/17 23:55	1
Styrene	ND		1.0	0.73	ug/L			05/18/17 23:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/17 23:55	1
Toluene	ND		1.0	0.51	ug/L			05/18/17 23:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/18/17 23:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/17 23:55	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/17 23:55	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: MB 480-358136/6

Matrix: Water

Analysis Batch: 358136

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			05/18/17 23:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/17 23:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/18/17 23:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		05/18/17 23:55	1
4-Bromofluorobenzene (Surr)	99		73 - 120		05/18/17 23:55	1
Dibromofluoromethane (Surr)	95		75 - 123		05/18/17 23:55	1
Toluene-d8 (Surr)	97		80 - 120		05/18/17 23:55	1

Lab Sample ID: LCS 480-358136/4

Matrix: Water

Analysis Batch: 358136

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	23.5		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.0		ug/L		92	61 - 148
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	22.2		ug/L		89	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	79 - 122
1,2,4-Trimethylbenzene	25.0	24.2		ug/L		97	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.2		ug/L		89	56 - 134
1,2-Dibromoethane	25.0	24.2		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	22.4		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
1,3,5-Trimethylbenzene	25.0	24.8		ug/L		99	77 - 121
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 120
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
2-Hexanone	125	125		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125
Acetone	125	118		ug/L		95	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	23.5		ug/L		94	80 - 122
Bromoform	25.0	24.2		ug/L		97	61 - 132
Bromomethane	25.0	30.5		ug/L		122	55 - 144
Carbon disulfide	25.0	21.1		ug/L		84	59 - 134
Carbon tetrachloride	25.0	24.4		ug/L		98	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Chloroethane	25.0	28.5		ug/L		114	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	23.8		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: LCS 480-358136/4

Matrix: Water

Analysis Batch: 358136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	25.0	23.2		ug/L		93	59 - 135
Dibromochloromethane	25.0	25.2		ug/L		101	75 - 125
Dichlorodifluoromethane	25.0	21.8		ug/L		87	59 - 135
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
Isopropylbenzene	25.0	24.5		ug/L		98	77 - 122
Methyl acetate	125	103		ug/L		82	74 - 133
Methyl tert-butyl ether	25.0	22.6		ug/L		90	77 - 120
Methylcyclohexane	25.0	23.1		ug/L		92	68 - 134
Methylene Chloride	25.0	22.8		ug/L		91	75 - 124
N-Propylbenzene	25.0	24.2		ug/L		97	75 - 127
Styrene	25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	24.6		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	24.4		ug/L		98	80 - 120
Trichloroethene	25.0	23.3		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	28.0		ug/L		112	62 - 150
Vinyl chloride	25.0	25.4		ug/L		102	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	95		75 - 123
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 480-117911-5 MS

Matrix: Water

Analysis Batch: 358136

Client Sample ID: IW-4-20170509

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		1250	1220		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	ND		1250	1160		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1250	1290		ug/L		104	61 - 148
1,1,2-Trichloroethane	ND		1250	1220		ug/L		98	76 - 122
1,1-Dichloroethane	ND		1250	1180		ug/L		94	77 - 120
1,1-Dichloroethene	ND		1250	1130		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	ND		1250	1270		ug/L		102	79 - 122
1,2,4-Trimethylbenzene	930		1250	2360		ug/L		114	76 - 121
1,2-Dibromo-3-Chloropropane	ND		1250	1110		ug/L		88	56 - 134
1,2-Dibromoethane	ND		1250	1190		ug/L		95	77 - 120
1,2-Dichlorobenzene	ND		1250	1200		ug/L		96	80 - 124
1,2-Dichloroethane	ND		1250	1040		ug/L		83	75 - 120
1,2-Dichloropropane	ND		1250	1190		ug/L		95	76 - 120
1,3,5-Trimethylbenzene	1600	F1	1250	3230	F1	ug/L		132	77 - 121
1,3-Dichlorobenzene	ND		1250	1180		ug/L		95	77 - 120
1,4-Dichlorobenzene	ND		1250	1180		ug/L		95	78 - 124
2-Butanone (MEK)	ND		6250	5070		ug/L		81	57 - 140

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: 480-117911-5 MS

Matrix: Water

Analysis Batch: 358136

Client Sample ID: IW-4-20170509

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	ND		6250	5190		ug/L		83	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		6250	5630		ug/L		90	71 - 125
Acetone	ND	F2	6250	3690		ug/L		59	56 - 142
Benzene	ND		1250	1190		ug/L		95	71 - 124
Bromodichloromethane	ND		1250	1140		ug/L		91	80 - 122
Bromoform	ND		1250	1240		ug/L		99	61 - 132
Bromomethane	ND		1250	1450		ug/L		116	55 - 144
Carbon disulfide	ND		1250	1090		ug/L		87	59 - 134
Carbon tetrachloride	ND		1250	1240		ug/L		99	72 - 134
Chlorobenzene	ND		1250	1210		ug/L		97	80 - 120
Chloroethane	ND		1250	1400		ug/L		112	69 - 136
Chloroform	ND		1250	1150		ug/L		92	73 - 127
Chloromethane	ND		1250	1290		ug/L		103	68 - 124
cis-1,2-Dichloroethene	ND		1250	1160		ug/L		93	74 - 124
cis-1,3-Dichloropropene	ND		1250	1130		ug/L		91	74 - 124
Cyclohexane	ND		1250	1210		ug/L		96	59 - 135
Dibromochloromethane	ND		1250	1260		ug/L		101	75 - 125
Dichlorodifluoromethane	ND		1250	1220		ug/L		97	59 - 135
Ethylbenzene	ND		1250	1230		ug/L		99	77 - 123
Isopropylbenzene	300		1250	1630		ug/L		107	77 - 122
Methyl acetate	ND	F1	6250	4530	F1	ug/L		72	74 - 133
Methyl tert-butyl ether	ND		1250	1050		ug/L		84	77 - 120
Methylcyclohexane	ND		1250	1240		ug/L		99	68 - 134
Methylene Chloride	25	J	1250	1140		ug/L		89	75 - 124
N-Propylbenzene	300		1250	1600		ug/L		104	75 - 127
Styrene	ND		1250	1210		ug/L		97	80 - 120
Tetrachloroethene	ND		1250	1230		ug/L		99	74 - 122
Toluene	ND		1250	1270		ug/L		102	80 - 122
trans-1,2-Dichloroethene	ND		1250	1140		ug/L		91	73 - 127
trans-1,3-Dichloropropene	ND		1250	1190		ug/L		95	80 - 120
Trichloroethene	ND		1250	1180		ug/L		94	74 - 123
Trichlorofluoromethane	ND		1250	1490		ug/L		119	62 - 150
Vinyl chloride	ND		1250	1360		ug/L		109	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	93		75 - 123
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 480-117911-5 MSD

Matrix: Water

Analysis Batch: 358136

Client Sample ID: IW-4-20170509

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		1250	1180		ug/L		94	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		1250	1160		ug/L		93	76 - 120	0	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: 480-117911-5 MSD

Matrix: Water

Analysis Batch: 358136

Client Sample ID: IW-4-20170509

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1250	1140		ug/L		91	61 - 148	13	20
1,1,2-Trichloroethane	ND		1250	1190		ug/L		95	76 - 122	3	15
1,1-Dichloroethane	ND		1250	1160		ug/L		92	77 - 120	2	20
1,1-Dichloroethene	ND		1250	1100		ug/L		88	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		1250	1180		ug/L		94	79 - 122	7	20
1,2,4-Trimethylbenzene	930		1250	2350		ug/L		113	76 - 121	1	20
1,2-Dibromo-3-Chloropropane	ND		1250	1130		ug/L		91	56 - 134	2	15
1,2-Dibromoethane	ND		1250	1170		ug/L		94	77 - 120	2	15
1,2-Dichlorobenzene	ND		1250	1200		ug/L		96	80 - 124	0	20
1,2-Dichloroethane	ND		1250	1060		ug/L		84	75 - 120	1	20
1,2-Dichloropropane	ND		1250	1200		ug/L		96	76 - 120	1	20
1,3,5-Trimethylbenzene	1600	F1	1250	3110	F1	ug/L		122	77 - 121	4	20
1,3-Dichlorobenzene	ND		1250	1190		ug/L		95	77 - 120	1	20
1,4-Dichlorobenzene	ND		1250	1170		ug/L		94	78 - 124	1	20
2-Butanone (MEK)	ND		6250	5330		ug/L		85	57 - 140	5	20
2-Hexanone	ND		6250	5890		ug/L		94	65 - 127	13	15
4-Methyl-2-pentanone (MIBK)	ND		6250	5970		ug/L		96	71 - 125	6	35
Acetone	ND	F2	6250	5110	F2	ug/L		82	56 - 142	32	15
Benzene	ND		1250	1160		ug/L		93	71 - 124	2	13
Bromodichloromethane	ND		1250	1160		ug/L		93	80 - 122	2	15
Bromoform	ND		1250	1220		ug/L		97	61 - 132	2	15
Bromomethane	ND		1250	1510		ug/L		121	55 - 144	4	15
Carbon disulfide	ND		1250	1050		ug/L		84	59 - 134	3	15
Carbon tetrachloride	ND		1250	1210		ug/L		97	72 - 134	2	15
Chlorobenzene	ND		1250	1150		ug/L		92	80 - 120	5	25
Chloroethane	ND		1250	1350		ug/L		108	69 - 136	4	15
Chloroform	ND		1250	1150		ug/L		92	73 - 127	0	20
Chloromethane	ND		1250	1240		ug/L		99	68 - 124	4	15
cis-1,2-Dichloroethene	ND		1250	1100		ug/L		88	74 - 124	5	15
cis-1,3-Dichloropropene	ND		1250	1150		ug/L		92	74 - 124	1	15
Cyclohexane	ND		1250	1120		ug/L		90	59 - 135	7	20
Dibromochloromethane	ND		1250	1230		ug/L		98	75 - 125	3	15
Dichlorodifluoromethane	ND		1250	1110		ug/L		89	59 - 135	9	20
Ethylbenzene	ND		1250	1190		ug/L		95	77 - 123	4	15
Isopropylbenzene	300		1250	1570		ug/L		102	77 - 122	4	20
Methyl acetate	ND	F1	6250	5320		ug/L		85	74 - 133	16	20
Methyl tert-butyl ether	ND		1250	1080		ug/L		87	77 - 120	3	37
Methylcyclohexane	ND		1250	1150		ug/L		92	68 - 134	7	20
Methylene Chloride	25	J	1250	1140		ug/L		89	75 - 124	0	15
N-Propylbenzene	300		1250	1520		ug/L		97	75 - 127	5	15
Styrene	ND		1250	1180		ug/L		94	80 - 120	3	20
Tetrachloroethene	ND		1250	1180		ug/L		95	74 - 122	4	20
Toluene	ND		1250	1190		ug/L		95	80 - 122	7	15
trans-1,2-Dichloroethene	ND		1250	1120		ug/L		90	73 - 127	2	20
trans-1,3-Dichloropropene	ND		1250	1180		ug/L		95	80 - 120	1	15
Trichloroethene	ND		1250	1150		ug/L		92	74 - 123	3	16
Trichlorofluoromethane	ND		1250	1400		ug/L		112	62 - 150	6	20

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: 480-117911-5 MSD

Matrix: Water

Analysis Batch: 358136

Client Sample ID: IW-4-20170509

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl chloride	ND		1250	1290		ug/L		103	65 - 133	6	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	90		77 - 120								
4-Bromofluorobenzene (Surr)	101		73 - 120								
Dibromofluoromethane (Surr)	96		75 - 123								
Toluene-d8 (Surr)	98		80 - 120								

Lab Sample ID: MB 480-358197/6

Matrix: Water

Analysis Batch: 358197

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			05/19/17 11:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 11:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 11:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 11:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 11:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 11:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 11:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 11:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 11:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 11:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 11:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 11:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 11:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 11:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 11:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 11:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 11:58	1
Acetone	ND		10	3.0	ug/L			05/19/17 11:58	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 11:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 11:58	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 11:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 11:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 11:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 11:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 11:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 11:58	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 11:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 11:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 11:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 11:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 11:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 11:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 11:58	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: MB 480-358197/6

Matrix: Water

Analysis Batch: 358197

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 11:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 11:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 11:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 11:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 11:58	1
Methylene Chloride	0.491	J	1.0	0.44	ug/L			05/19/17 11:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 11:58	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 11:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 11:58	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 11:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 11:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 11:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 11:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 11:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 11:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/19/17 11:58	1
4-Bromofluorobenzene (Surr)	97		73 - 120		05/19/17 11:58	1
Dibromofluoromethane (Surr)	96		75 - 123		05/19/17 11:58	1
Toluene-d8 (Surr)	97		80 - 120		05/19/17 11:58	1

Lab Sample ID: LCS 480-358197/4

Matrix: Water

Analysis Batch: 358197

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	26.0		ug/L		104	73 - 126
1,1,1,2-Tetrachloroethane	25.0	26.2		ug/L		105	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.5		ug/L		90	61 - 148
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	19.7		ug/L		79	66 - 127
1,2,4-Trichlorobenzene	25.0	21.9		ug/L		88	79 - 122
1,2,4-Trimethylbenzene	25.0	24.0		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.0		ug/L		100	56 - 134
1,2-Dibromoethane	25.0	24.8		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	24.1		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	25.0	24.1		ug/L		96	77 - 121
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 120
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
2-Hexanone	125	132		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: LCS 480-358197/4

Matrix: Water

Analysis Batch: 358197

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	128		ug/L		103	56 - 142
Benzene	25.0	24.1		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Bromoform	25.0	23.1		ug/L		92	61 - 132
Bromomethane	25.0	28.1		ug/L		112	55 - 144
Carbon disulfide	25.0	21.9		ug/L		87	59 - 134
Carbon tetrachloride	25.0	29.4		ug/L		118	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Chloroethane	25.0	25.6		ug/L		103	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	24.0		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	74 - 124
Cyclohexane	25.0	23.6		ug/L		94	59 - 135
Dibromochloromethane	25.0	27.1		ug/L		108	75 - 125
Dichlorodifluoromethane	25.0	24.3		ug/L		97	59 - 135
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122
Methyl acetate	125	129		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
Methylcyclohexane	25.0	23.2		ug/L		93	68 - 134
Methylene Chloride	25.0	24.9		ug/L		100	75 - 124
N-Propylbenzene	25.0	23.9		ug/L		96	75 - 127
Styrene	25.0	24.8		ug/L		99	80 - 120
Tetrachloroethene	25.0	24.1		ug/L		96	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	25.4		ug/L		102	80 - 120
Trichloroethene	25.0	23.2		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	29.2		ug/L		117	62 - 150
Vinyl chloride	25.0	24.7		ug/L		99	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	98		75 - 123
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 480-358335/6

Matrix: Water

Analysis Batch: 358335

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			05/19/17 23:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 23:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 23:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 23:05	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: MB 480-358335/6

Matrix: Water

Analysis Batch: 358335

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 23:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 23:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 23:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 23:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 23:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 23:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 23:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 23:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 23:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 23:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 23:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 23:05	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 23:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 23:05	1
Acetone	ND		10	3.0	ug/L			05/19/17 23:05	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 23:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 23:05	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 23:05	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 23:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 23:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 23:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 23:05	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 23:05	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 23:05	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 23:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 23:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 23:05	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 23:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 23:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 23:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 23:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 23:05	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 23:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 23:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 23:05	1
Methylene Chloride	0.990	J	1.0	0.44	ug/L			05/19/17 23:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 23:05	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 23:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 23:05	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 23:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 23:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 23:05	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 23:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 23:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 23:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 23:05	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: MB 480-358335/6

Matrix: Water

Analysis Batch: 358335

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		05/19/17 23:05	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/19/17 23:05	1
Dibromofluoromethane (Surr)	93		75 - 123		05/19/17 23:05	1
Toluene-d8 (Surr)	98		80 - 120		05/19/17 23:05	1

Lab Sample ID: LCS 480-358335/4

Matrix: Water

Analysis Batch: 358335

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	26.5		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.6		ug/L		114	61 - 148
1,1,2-Trichloroethane	25.0	26.5		ug/L		106	76 - 122
1,1-Dichloroethane	25.0	26.7		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	26.0		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	25.0	27.6		ug/L		111	79 - 122
1,2,4-Trimethylbenzene	25.0	26.8		ug/L		107	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.7		ug/L		91	56 - 134
1,2-Dibromoethane	25.0	26.1		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	27.7		ug/L		111	76 - 120
1,3,5-Trimethylbenzene	25.0	27.1		ug/L		109	77 - 121
1,3-Dichlorobenzene	25.0	26.1		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 120
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
2-Hexanone	125	132		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		106	71 - 125
Acetone	125	150		ug/L		120	56 - 142
Benzene	25.0	26.6		ug/L		106	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	25.9		ug/L		104	61 - 132
Bromomethane	25.0	28.8		ug/L		115	55 - 144
Carbon disulfide	25.0	26.3		ug/L		105	59 - 134
Carbon tetrachloride	25.0	27.3		ug/L		109	72 - 134
Chlorobenzene	25.0	25.9		ug/L		103	80 - 120
Chloroethane	25.0	26.7		ug/L		107	69 - 136
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	20.5		ug/L		82	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	26.6		ug/L		106	59 - 135
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Dichlorodifluoromethane	25.0	15.7		ug/L		63	59 - 135
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
Isopropylbenzene	25.0	26.8		ug/L		107	77 - 122

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: LCS 480-358335/4

Matrix: Water

Analysis Batch: 358335

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	125	123		ug/L		98	74 - 133
Methyl tert-butyl ether	25.0	25.4		ug/L		102	77 - 120
Methylcyclohexane	25.0	27.2		ug/L		109	68 - 134
Methylene Chloride	25.0	27.4		ug/L		109	75 - 124
N-Propylbenzene	25.0	26.3		ug/L		105	75 - 127
Styrene	25.0	26.7		ug/L		107	80 - 120
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	27.0		ug/L		108	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	80 - 120
Trichloroethene	25.0	26.1		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	25.7		ug/L		103	62 - 150
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	93		75 - 123
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: MB 480-358446/6

Matrix: Water

Analysis Batch: 358446

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			05/22/17 10:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/17 10:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/17 10:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/17 10:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/17 10:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/22/17 10:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/17 10:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/22/17 10:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/17 10:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/17 10:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/17 10:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/17 10:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/17 10:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/22/17 10:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/17 10:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/17 10:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/17 10:12	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/17 10:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/17 10:12	1
Acetone	ND		10	3.0	ug/L			05/22/17 10:12	1
Benzene	ND		1.0	0.41	ug/L			05/22/17 10:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/22/17 10:12	1
Bromoform	ND		1.0	0.26	ug/L			05/22/17 10:12	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: MB 480-358446/6

Matrix: Water

Analysis Batch: 358446

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			05/22/17 10:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/22/17 10:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/22/17 10:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/17 10:12	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/17 10:12	1
Chloroform	ND		1.0	0.34	ug/L			05/22/17 10:12	1
Chloromethane	ND		1.0	0.35	ug/L			05/22/17 10:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/17 10:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/17 10:12	1
Cyclohexane	ND		1.0	0.18	ug/L			05/22/17 10:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/17 10:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/17 10:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/17 10:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/17 10:12	1
Methyl acetate	ND		2.5	1.3	ug/L			05/22/17 10:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/17 10:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/17 10:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/17 10:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/22/17 10:12	1
Styrene	ND		1.0	0.73	ug/L			05/22/17 10:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/22/17 10:12	1
Toluene	ND		1.0	0.51	ug/L			05/22/17 10:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/17 10:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/17 10:12	1
Trichloroethene	ND		1.0	0.46	ug/L			05/22/17 10:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/17 10:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/17 10:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/17 10:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		05/22/17 10:12	1
4-Bromofluorobenzene (Surr)	98		73 - 120		05/22/17 10:12	1
Dibromofluoromethane (Surr)	100		75 - 123		05/22/17 10:12	1
Toluene-d8 (Surr)	96		80 - 120		05/22/17 10:12	1

Lab Sample ID: LCS 480-358446/4

Matrix: Water

Analysis Batch: 358446

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	25.6		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.9		ug/L		92	61 - 148
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	22.4		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	18.4		ug/L		74	66 - 127
1,2,4-Trichlorobenzene	25.0	21.7		ug/L		87	79 - 122

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: LCS 480-358446/4

Matrix: Water

Analysis Batch: 358446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	25.0	23.7		ug/L		95	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	56 - 134
1,2-Dibromoethane	25.0	23.5		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	22.3		ug/L		89	76 - 120
1,3,5-Trimethylbenzene	25.0	23.6		ug/L		94	77 - 121
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
2-Hexanone	125	128		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	146		ug/L		116	56 - 142
Benzene	25.0	22.4		ug/L		90	71 - 124
Bromodichloromethane	25.0	24.5		ug/L		98	80 - 122
Bromoform	25.0	21.2		ug/L		85	61 - 132
Bromomethane	25.0	29.2		ug/L		117	55 - 144
Carbon disulfide	25.0	20.3		ug/L		81	59 - 134
Carbon tetrachloride	25.0	29.1		ug/L		117	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Chloroethane	25.0	26.2		ug/L		105	69 - 136
Chloroform	25.0	22.0		ug/L		88	73 - 127
Chloromethane	25.0	22.7		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	21.8		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	22.5		ug/L		90	74 - 124
Cyclohexane	25.0	22.3		ug/L		89	59 - 135
Dibromochloromethane	25.0	24.2		ug/L		97	75 - 125
Dichlorodifluoromethane	25.0	23.8		ug/L		95	59 - 135
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Isopropylbenzene	25.0	22.8		ug/L		91	77 - 122
Methyl acetate	125	114		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	22.4		ug/L		90	77 - 120
Methylcyclohexane	25.0	22.0		ug/L		88	68 - 134
Methylene Chloride	25.0	20.6		ug/L		82	75 - 124
N-Propylbenzene	25.0	23.7		ug/L		95	75 - 127
Styrene	25.0	23.7		ug/L		95	80 - 120
Tetrachloroethene	25.0	23.9		ug/L		95	74 - 122
Toluene	25.0	22.8		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	21.6		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	80 - 120
Trichloroethene	25.0	22.0		ug/L		88	74 - 123
Trichlorofluoromethane	25.0	29.1		ug/L		116	62 - 150
Vinyl chloride	25.0	22.1		ug/L		88	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	97		75 - 123

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-117911-1

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

Lab Sample ID: LCS 480-358446/4

Matrix: Water

Analysis Batch: 358446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	97		80 - 120

QC Association Summary

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

TestAmerica Job ID: 480-117911-1

GC/MS VOA

Analysis Batch: 358136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-117911-1	DUP-20170509	Total/NA	Water	8260C	
480-117911-2	IW-2-20170509	Total/NA	Water	8260C	
480-117911-3	IW-3-20170509	Total/NA	Water	8260C	
480-117911-4	IW-1-20170509	Total/NA	Water	8260C	
480-117911-5	IW-4-20170509	Total/NA	Water	8260C	
480-117911-6	IW-5-20170509	Total/NA	Water	8260C	
480-117911-7	IW-6-20170509	Total/NA	Water	8260C	
480-117911-8	VRI-1-20170509	Total/NA	Water	8260C	
480-117911-9	VRI-3-20170510	Total/NA	Water	8260C	
480-117911-10	GT-14-20170510	Total/NA	Water	8260C	
480-117911-11	GT-15-20170510	Total/NA	Water	8260C	
480-117911-12	VRI-9	Total/NA	Water	8260C	
480-117911-13	VRI-2	Total/NA	Water	8260C	
480-117911-15	IW7-20170509	Total/NA	Water	8260C	
MB 480-358136/6	Method Blank	Total/NA	Water	8260C	
LCS 480-358136/4	Lab Control Sample	Total/NA	Water	8260C	
480-117911-5 MS	IW-4-20170509	Total/NA	Water	8260C	
480-117911-5 MSD	IW-4-20170509	Total/NA	Water	8260C	

Analysis Batch: 358197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-117911-16	VRI-4-20170510	Total/NA	Water	8260C	
480-117911-17	GT-9R-20170510	Total/NA	Water	8260C	
MB 480-358197/6	Method Blank	Total/NA	Water	8260C	
LCS 480-358197/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 358335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-117911-14	TRIP BLANK	Total/NA	Water	8260C	
480-117911-18	FIELD BLANK	Total/NA	Water	8260C	
MB 480-358335/6	Method Blank	Total/NA	Water	8260C	
LCS 480-358335/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 358446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-117911-19	GT-7-20170511	Total/NA	Water	8260C	
480-117911-20	GT-16-20170511	Total/NA	Water	8260C	
MB 480-358446/6	Method Blank	Total/NA	Water	8260C	
LCS 480-358446/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: DUP-20170509

Date Collected: 05/09/17 00:00

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	358136	05/19/17 00:58	RJF	TAL BUF

Client Sample ID: IW-2-20170509

Date Collected: 05/09/17 09:40

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358136	05/19/17 01:25	RJF	TAL BUF

Client Sample ID: IW-3-20170509

Date Collected: 05/09/17 09:40

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	358136	05/19/17 01:52	RJF	TAL BUF

Client Sample ID: IW-1-20170509

Date Collected: 05/09/17 12:00

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	358136	05/19/17 02:20	RJF	TAL BUF

Client Sample ID: IW-4-20170509

Date Collected: 05/09/17 11:55

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	358136	05/19/17 02:46	RJF	TAL BUF

Client Sample ID: IW-5-20170509

Date Collected: 05/09/17 13:10

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	358136	05/19/17 03:14	RJF	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-6-20170509

Lab Sample ID: 480-117911-7

Date Collected: 05/09/17 15:15

Matrix: Water

Date Received: 05/12/17 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	358136	05/19/17 03:41	RJF	TAL BUF

Client Sample ID: VRI-1-20170509

Lab Sample ID: 480-117911-8

Date Collected: 05/09/17 13:55

Matrix: Water

Date Received: 05/12/17 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	358136	05/19/17 04:08	RJF	TAL BUF

Client Sample ID: VRI-3-20170510

Lab Sample ID: 480-117911-9

Date Collected: 05/10/17 11:20

Matrix: Water

Date Received: 05/12/17 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358136	05/19/17 04:35	RJF	TAL BUF

Client Sample ID: GT-14-20170510

Lab Sample ID: 480-117911-10

Date Collected: 05/10/17 10:30

Matrix: Water

Date Received: 05/12/17 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358136	05/19/17 05:02	RJF	TAL BUF

Client Sample ID: GT-15-20170510

Lab Sample ID: 480-117911-11

Date Collected: 05/10/17 11:50

Matrix: Water

Date Received: 05/12/17 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358136	05/19/17 05:29	RJF	TAL BUF

Client Sample ID: VRI-9

Lab Sample ID: 480-117911-12

Date Collected: 05/10/17 14:15

Matrix: Water

Date Received: 05/12/17 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358136	05/19/17 05:57	RJF	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-2

Date Collected: 05/10/17 16:40

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358136	05/19/17 06:24	RJF	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 05/10/17 00:00

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358335	05/20/17 06:58	RJF	TAL BUF

Client Sample ID: IW7-20170509

Date Collected: 05/09/17 15:20

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	358136	05/19/17 06:52	RJF	TAL BUF

Client Sample ID: VRI-4-20170510

Date Collected: 05/10/17 13:40

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358197	05/19/17 13:47	ARS	TAL BUF

Client Sample ID: GT-9R-20170510

Date Collected: 05/10/17 16:00

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358197	05/19/17 14:10	ARS	TAL BUF

Client Sample ID: FIELD BLANK

Date Collected: 05/10/17 16:30

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358335	05/20/17 07:25	RJF	TAL BUF

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-7-20170511

Lab Sample ID: 480-117911-19

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358446	05/22/17 15:30	ARS	TAL BUF

Client Sample ID: GT-16-20170511

Lab Sample ID: 480-117911-20

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358446	05/22/17 15:53	ARS	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-117911-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

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

TestAmerica Job ID: 480-117911-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-117911-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-117911-1	DUP-20170509	Water	05/09/17 00:00	05/12/17 02:15
480-117911-2	IW-2-20170509	Water	05/09/17 09:40	05/12/17 02:15
480-117911-3	IW-3-20170509	Water	05/09/17 09:40	05/12/17 02:15
480-117911-4	IW-1-20170509	Water	05/09/17 12:00	05/12/17 02:15
480-117911-5	IW-4-20170509	Water	05/09/17 11:55	05/12/17 02:15
480-117911-6	IW-5-20170509	Water	05/09/17 13:10	05/12/17 02:15
480-117911-7	IW-6-20170509	Water	05/09/17 15:15	05/12/17 02:15
480-117911-8	VRI-1-20170509	Water	05/09/17 13:55	05/12/17 02:15
480-117911-9	VRI-3-20170510	Water	05/10/17 11:20	05/12/17 02:15
480-117911-10	GT-14-20170510	Water	05/10/17 10:30	05/12/17 02:15
480-117911-11	GT-15-20170510	Water	05/10/17 11:50	05/12/17 02:15
480-117911-12	VRI-9	Water	05/10/17 14:15	05/12/17 02:15
480-117911-13	VRI-2	Water	05/10/17 16:40	05/12/17 02:15
480-117911-14	TRIP BLANK	Water	05/10/17 00:00	05/12/17 02:15
480-117911-15	IW7-20170509	Water	05/09/17 15:20	05/12/17 02:15
480-117911-16	VRI-4-20170510	Water	05/10/17 13:40	05/12/17 02:15
480-117911-17	GT-9R-20170510	Water	05/10/17 16:00	05/12/17 02:15
480-117911-18	FIELD BLANK	Water	05/10/17 16:30	05/12/17 02:15
480-117911-19	GT-7-20170511	Water	05/11/17 10:50	05/12/17 02:15
480-117911-20	GT-16-20170511	Water	05/11/17 10:50	05/12/17 02:15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



480-117911 COC

Client Information		Sampler: N. Conklyn		Lab PM: Deyo, Melissa L.		COC No: 480-96938-23093.1 Page: 4 of 5											
Client Contact: Suzie Ellsworth		Phone: 315-378-8692		E-Mail: melissa.deyo@testamericainc.com													
Company: ARCADIS U.S., Inc.				Analysis Requested		Job #:											
Address: 444 Lovell Road Suite 202 855 Rt 146, Ste 210		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260C - VOC		Total Number of containers											
City: Knoxville Clifton Park		TAT Requested (days):															
State, Zip: TN 37934 Rotterdam NY 12065		PO #: AP086277.3000.3000S															
Email: suzy.walls@arcadis.com		WO #:															
Project Name: GE Rotterdam, NY		Project #: 48015931															
Site: River View		SSOW#:				Preservation Codes:											
						A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA 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)	Special Instructions/Note:											
						Preservation Code:											
DUP-20170509	9/9/17	-	G	Water													
IW-2-20170509	9/9/17	0940	G	Water													
IW-3-20170509	9/9/17	0940	G	Water													
IW-1-20170509	9/9/17	13:10	12:00	Water													
IW-4-20170509	9/9/17	11:55	G	Water	Y	MS/MSH											
IW-5-20170509	9/9/17	13:10	G	Water													
IW-6-20170509	9/9/17	15:15	G	Water													
VRI-1-20170509	9/9/17	13:55	G	Water													
VRI-3-20170509	9/10/17	11:20	G	Water													
VRI-4-20170510	9/10/17			Water													
GT-14-20170510	9/10/17	10:30	G	Water													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ 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: Nicholle Conklyn		Date/Time: 9/11/17 14:00		Company: Arcadis		Received by: [Signature]		Date/Time: 9/11/17 1400		Company: [Signature]							
Relinquished by: [Signature]		Date/Time: 9/11/17, 19:00		Company: [Signature]		Received by: [Signature]		Date/Time: 9-12-17 0215		Company: [Signature]							
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:							
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:													
Δ Yes Δ No				0.9 #1													

TestAmerica

THE LEARNING AND EXPERIMENTAL TESTING

Client Information		Sampler: <u>Nichole Guffin</u>		Lab PM: <u>Deyo, Melissa L</u>		Carrier Tracking No(s):		COC No: <u>480-96938-23093.2</u>															
Client Contact: <u>Suzie Walls</u>		Phone: <u>315-378-8642</u>		E-Mail: <u>melissa.deyo@testamericainc.com</u>				Page: <u>Page 2 of 3</u>															
Company: <u>ARCADIS U.S., Inc.</u>								Job #: <u>Aug 2012</u>															
Address: <u>114 Lovell Road Suite 202</u>		Due Date Requested:		Analysis Requested				Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)															
City: <u>Clifton Park</u>		TAT Requested (days):																					
State, Zip: <u>TN 37934 NY 12065</u>																							
Phone: <u>Suzie.ellsworth@arcadis.com</u>		PO #: <u>AP086277.3000.3000S</u>																					
Email: <u>suzie.walls@arcadis.com</u>		WO #:																					
Project Name: <u>GE Rotterdam, NY</u>		Project #: <u>48015931</u>																					
Site: <u>Riverview</u>		SSOW#:																					
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 H2S/MSD (Yes or No)		B206C - VOC		Total Number of containers		Special Instructions/Note:					
<u>BT-15-20170510</u>		<u>5/10/17</u>		<u>11:50</u>		<u>G</u>		<u>Water</u>						<u>3</u>									
<u>VRI-9</u>		<u>5/10/17</u>		<u>14:15</u>		<u>G</u>		<u>Water</u>						<u>3</u>									
<u>VRI-2</u>		<u>5/10/17</u>		<u>16:40</u>		<u>G</u>		<u>Water</u>						<u>3</u>									
<u>Trip blank</u>		<u>—</u>		<u>—</u>		<u>JB</u>		<u>Water</u>						<u>2</u>				<u>trip blank.</u>					
<u>1W7-20170509</u>		<u>5/9/17</u>		<u>15:20</u>		<u>G</u>		<u>Water</u>						<u>3</u>									
<u>VRI-4-20170510</u>		<u>5/10/17</u>		<u>13:40</u>		<u>G</u>		<u>Water</u>						<u>3</u>									
<u>BT-9R-20170510</u>		<u>5/10/17</u>		<u>16:00</u>		<u>G</u>		<u>Water</u>						<u>3</u>									
<u>Field Blank</u>		<u>5/10/17</u>		<u>16:30</u>		<u>FB</u>		<u>Water</u>						<u>1</u>				<u>FB</u>					
<u>BT-7-20170511</u>		<u>5/11/17</u>		<u>10:50</u>		<u>G</u>		<u>Water</u>						<u>3</u>									
<u>BT-16-20170511</u>		<u>5/11/17</u>		<u>10:50</u>		<u>G</u>		<u>Water</u>						<u>3</u>									
<u>— RE</u>								<u>Water</u>															
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: <u>Nichole Guffin</u>				Date/Time: <u>5/11/17 1400</u>				Company: <u>ARCADIS</u>				Received by: <u>Calvin</u>				Date/Time: <u>5/11/17 1400</u>				Company: <u>SAR</u>			
Relinquished by: <u>REH91114</u>				Date/Time: <u>5-11-17 19:00</u>				Company: <u>SAR</u>				Received by: <u>FW</u>				Date/Time: <u>5-12-17 02:15</u>				Company: <u>FW</u>			
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: <u>0.1 #1</u>																			

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-117911-1

Login Number: 117911

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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.	False	
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.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX C

Data Usability Summary Report



**Von Roll Isola USA, Inc. -
Riverview Site**

**Data Usability Summary Report
(DUSR)**

ROTTERDAM, NEW YORK

Volatile Analyses

SDG # 480-117911-1

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report #27718R
Review Level: Tier III
Project: AP086277.3000

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 480-117911-1 for samples collected in association with the Von Roll Isola USA, Inc. Site (Riverview Site) in Rotterdam, New York. 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	SVOC	PCB	MET	MISC
DUP-20170509	480-117911-1	Water	05/09/2017	IW-3-20170509	X				
IW-2-20170509	480-117911-2	Water	05/09/2017		X				
IW-3-20170509	480-117911-3	Water	05/09/2017		X				
IW-1-20170509	480-117911-4	Water	05/09/2017		X				
IW-4-20170509	480-117911-5	Water	05/09/2017		X				
IW-5-20170509	480-117911-6	Water	05/09/2017		X				
IW-6-20170509	480-117911-7	Water	05/09/2017		X				
VRI-1-20170509	480-117911-8	Water	05/09/2017		X				
VRI-3-20170510	480-117911-9	Water	05/10/2017		X				
GT-14-20170510	480-117911-10	Water	05/10/2017		X				
GT-15-20170510	480-117911-11	Water	05/10/2017		X				
VRI-9 05102017	480-117911-12	Water	05/10/2017		X				
VRI-2 05102017	480-117911-13	Water	05/10/2017		X				
TRIP BLANK 05102017	480-117911-14	Water	05/10/2017		X				
IW7-20170509	480-117911-15	Water	05/09/2017		X				
VRI-4-20170510	480-117911-16	Water	05/10/2017		X				
GT-9R-20170510	480-117911-17	Water	05/10/2017		X				
FIELD BLANK 05102017	480-117911-18	Water	05/10/2017		X				
GT-7-20170511	480-117911-19	Water	05/11/2017		X				
GT-16-20170511	480-117911-20	Water	05/11/2017		X				

Note:

1. The matrix spike/matrix spike duplicate (MS/MSD) analysis was performed on sample location IW-4-20170509.

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of 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 (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

8) The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following samples was analyzed after 7 days from sampling: DUP-20170509 (480-117911-1), IW-3-20170509 (480-117911-3) and VRI-9 (480-117911-12).

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C. Data were reviewed in accordance with USEPA Region II SOPs and USEPA National Functional Guidelines of 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 (C) 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 (Q) 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 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.

Two facts should be noted by all data users. First, 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 following table.

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

s.u. Standard units

The analyses that exceeded the holding time and/or preservation criteria are presented in the following table.

Sample Locations	Preservation/ Holding Time	Criteria
VRI-9 05102017	Unpreserved and analyzed in 9 days	pH < 2 or analyzed in < 7 days
DUP-20170509 IW-3-20170509 FIELD BLANK 05102017	Unpreserved and analyzed in 10 days	

Sample results associated with sample locations analyzed by analytical method SW-846 8260 were qualified, as specified in the table below. All other holding times were met.

Criteria	Qualification	
	Detected Analytes	Non-detect Analytes
Unpreserved and analysis completed less than two times holding time	J	UJ

2. Blank Contamination

Quality assurance (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.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank

contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
DUP-20170509 IW-3-20170509 IW-4-20170509 IW-6-20170509	Methylene Chloride (FB/TB)	Detected sample results <RL and <BAL	"UB" at the PQL

RL Reporting limit

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 (15%) 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 Locations	Initial/Continuing	Compound	Criteria
TRIP BLANK 05102017 FIELD BLANK 05102017	CCV %D	Dichlorodifluoromethane	-35.8%
		1,2,4-Trichlorobenzene	24.8%
VRI-4-20170510 GT-9R-20170510	CCV %D	1,1-Dichloroethene	-23.5%

Sample Locations	Initial/Continuing	Compound	Criteria
GT-7-20170511 GT-16-20170511	CCV %D	1,1-Dichloroethene	-23.6%
		Bromomethane	21.6%
		Carbon disulfide	-20.4%

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 Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

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 insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires 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.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
IW-4-20170509	Methyl acetate	<LL but >10%	AC
	1,3,5-Trimethylbenzene	> UL	> UL

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
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than the control limit presented in the following table.

Sample Locations	Compound
IW-4-20170509	Acetone

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

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

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/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

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 matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
IW-6_20160816/DUP_20160816	1,2,4-Trimethylbenzene	3500	3500	0.0%
	1,3,5-Trimethylbenzene	2400	2300	4.3%
	Isopropylbenzene	160	150	AC
	N-Propylbenzene	160	150	AC
	Total Xylenes	1600	1600	0.0%

AC Acceptable

The 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.

All identified compounds met the specified criteria.

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. Therefore, the analytical data are considered reliable and acceptable for use with the qualifications noted.

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 blanks		X	X			
C. Trip blanks		X	X			
Laboratory Control Sample (LCS)		X		X		
Laboratory Control Sample Duplicate(LCSD)						
LCS/LCSD Precision (RPD)						
Matrix Spike (MS)		X	X			
Matrix Spike Duplicate(MSD)		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	
Tier III Validation						
System performance and column resolution		X		X		
Initial calibration %RSDs		X		X		
Continuing calibration RRFs		X		X		
Continuing calibration %Ds		X	X			
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		

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

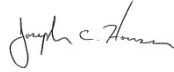
SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹					Noncompliance
					VOC	SVOC	PCB	MET	MISC	
480-117911-1	05/09/2017	SW846	DUP-20170509	Water	No	--	--	--	--	VOC – Holding time, Associated blanks
	05/09/2017	SW846	IW-2-20170509	Water	Yes	--	--	--	--	
	05/09/2017	SW846	IW-3-20170509	Water	No	--	--	--	--	VOC – Holding time, Associated blanks
	05/09/2017	SW846	IW-1-20170509	Water	Yes	--	--	--	--	
	05/09/2017	SW846	IW-4-20170509	Water	No	--	--	--	--	VOC – Associated blanks, MS/MSD %recovery/RPD
	05/09/2017	SW846	IW-5-20170509	Water	Yes	--	--	--	--	
	05/09/2017	SW846	IW-6-20170509	Water	No	--	--	--	--	VOC – Associated blanks
	05/09/2017	SW846	VRI-1-20170509	Water	Yes	--	--	--	--	
	05/10/2017	SW846	VRI-3-20170510	Water	Yes	--	--	--	--	
	05/10/2017	SW846	GT-14-20170510	Water	Yes	--	--	--	--	
	05/10/2017	SW846	GT-15-20170510	Water	Yes	--	--	--	--	
	05/10/2017	SW846	VRI-9 05102017	Water	No	--	--	--	--	VOC – Holding time
	05/10/2017	SW846	VRI-2 05102017	Water	Yes	--	--	--	--	
	05/10/2017	SW846	TRIP BLANK 05102017	Water	No	--	--	--	--	VOC – CCAL %D
	05/09/2017	SW846	IW7-20170509	Water	Yes	--	--	--	--	
	05/10/2017	SW846	VRI-4-20170510	Water	No	--	--	--	--	VOC – CCAL %D
	05/10/2017	SW846	GT-9R-20170510	Water	No	--	--	--	--	VOC – CCAL %D
	05/10/2017	SW846	FIELD BLANK 05102017	Water	No	--	--	--	--	VOC – Holding time, CCAL %D
	05/11/2017	SW846	GT-7-20170511	Water	No	--	--	--	--	VOC – CCAL %D
	05/11/2017	SW846	GT-16-20170511	Water	No	--	--	--	--	VOC – CCAL %D

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" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Joseph C. Houser

SIGNATURE:



DATE: May 30, 2017

PEER REVIEW: Dennis Capria

DATE: May 31, 2017

**CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS**

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: DUP-20170509

Lab Sample ID: 480-117911-1

Date Collected: 05/09/17 00:00

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	UJ	100	82	ug/L			05/19/17 00:58	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			05/19/17 00:58	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			05/19/17 00:58	100
1,1,2-Trichloroethane	ND		100	23	ug/L			05/19/17 00:58	100
1,1-Dichloroethane	ND		100	38	ug/L			05/19/17 00:58	100
1,1-Dichloroethene	ND		100	29	ug/L			05/19/17 00:58	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			05/19/17 00:58	100
1,2,4-Trimethylbenzene	3500	J	100	75	ug/L			05/19/17 00:58	100
1,2-Dibromo-3-Chloropropane	ND	UJ	100	39	ug/L			05/19/17 00:58	100
1,2-Dibromoethane	ND		100	73	ug/L			05/19/17 00:58	100
1,2-Dichlorobenzene	ND		100	79	ug/L			05/19/17 00:58	100
1,2-Dichloroethane	ND		100	21	ug/L			05/19/17 00:58	100
1,2-Dichloropropane	ND		100	72	ug/L			05/19/17 00:58	100
1,3,5-Trimethylbenzene	2300	J	100	77	ug/L			05/19/17 00:58	100
1,3-Dichlorobenzene	ND	UJ	100	78	ug/L			05/19/17 00:58	100
1,4-Dichlorobenzene	ND		100	84	ug/L			05/19/17 00:58	100
2-Butanone (MEK)	ND		1000	130	ug/L			05/19/17 00:58	100
2-Hexanone	ND		500	120	ug/L			05/19/17 00:58	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			05/19/17 00:58	100
Acetone	ND		1000	300	ug/L			05/19/17 00:58	100
Benzene	ND		100	41	ug/L			05/19/17 00:58	100
Bromodichloromethane	ND		100	39	ug/L			05/19/17 00:58	100
Bromoform	ND		100	26	ug/L			05/19/17 00:58	100
Bromomethane	ND		100	69	ug/L			05/19/17 00:58	100
Carbon disulfide	ND		100	19	ug/L			05/19/17 00:58	100
Carbon tetrachloride	ND		100	27	ug/L			05/19/17 00:58	100
Chlorobenzene	ND		100	75	ug/L			05/19/17 00:58	100
Chloroethane	ND		100	32	ug/L			05/19/17 00:58	100
Chloroform	ND		100	34	ug/L			05/19/17 00:58	100
Chloromethane	ND		100	35	ug/L			05/19/17 00:58	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			05/19/17 00:58	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			05/19/17 00:58	100
Cyclohexane	ND		100	18	ug/L			05/19/17 00:58	100
Dibromochloromethane	ND		100	32	ug/L			05/19/17 00:58	100
Dichlorodifluoromethane	ND		100	68	ug/L			05/19/17 00:58	100
Ethylbenzene	ND		100	74	ug/L			05/19/17 00:58	100
Isopropylbenzene	150	J	100	79	ug/L			05/19/17 00:58	100
Methyl acetate	ND	UJ	250	130	ug/L			05/19/17 00:58	100
Methyl tert-butyl ether	ND		100	16	ug/L			05/19/17 00:58	100
Methylcyclohexane	ND		100	16	ug/L			05/19/17 00:58	100
Methylene Chloride	100	UBJ	100	44	ug/L			05/19/17 00:58	100
N-Propylbenzene	150	J	100	69	ug/L			05/19/17 00:58	100
Styrene	ND	UJ	100	73	ug/L			05/19/17 00:58	100
Tetrachloroethene	ND		100	36	ug/L			05/19/17 00:58	100
Toluene	ND		100	51	ug/L			05/19/17 00:58	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			05/19/17 00:58	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			05/19/17 00:58	100
Trichloroethene	ND		100	46	ug/L			05/19/17 00:58	100
Trichlorofluoromethane	ND		100	88	ug/L			05/19/17 00:58	100

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: DUP-20170509

Lab Sample ID: 480-117911-1

Date Collected: 05/09/17 00:00

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	UJ	100	90	ug/L			05/19/17 00:58	100
Xylenes, Total	1600	J	200	66	ug/L			05/19/17 00:58	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120					05/19/17 00:58	100
4-Bromofluorobenzene (Surr)	100		73 - 120					05/19/17 00:58	100
Dibromofluoromethane (Surr)	94		75 - 123					05/19/17 00:58	100
Toluene-d8 (Surr)	95		80 - 120					05/19/17 00:58	100

Client Sample ID: IW-2-20170509

Lab Sample ID: 480-117911-2

Date Collected: 05/09/17 09:40

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 01:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 01:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 01:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 01:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 01:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 01:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 01:25	1
1,2,4-Trimethylbenzene	63		1.0	0.75	ug/L			05/19/17 01:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 01:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 01:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 01:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 01:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 01:25	1
1,3,5-Trimethylbenzene	83		1.0	0.77	ug/L			05/19/17 01:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 01:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 01:25	1
2-Butanone (MEK)	1.6 J		10	1.3	ug/L			05/19/17 01:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 01:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 01:25	1
Acetone	21		10	3.0	ug/L			05/19/17 01:25	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 01:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 01:25	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 01:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 01:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 01:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 01:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 01:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 01:25	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 01:25	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 01:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 01:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 01:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 01:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 01:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 01:25	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-2-20170509

Lab Sample ID: 480-117911-2

Date Collected: 05/09/17 09:40

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.6		1.0	0.74	ug/L			05/19/17 01:25	1
Isopropylbenzene	16		1.0	0.79	ug/L			05/19/17 01:25	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 01:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 01:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 01:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 01:25	1
N-Propylbenzene	9.2		1.0	0.69	ug/L			05/19/17 01:25	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 01:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 01:25	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 01:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 01:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 01:25	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 01:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 01:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 01:25	1
Xylenes, Total	47		2.0	0.66	ug/L			05/19/17 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		05/19/17 01:25	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/17 01:25	1
Dibromofluoromethane (Surr)	95		75 - 123		05/19/17 01:25	1
Toluene-d8 (Surr)	98		80 - 120		05/19/17 01:25	1

Client Sample ID: IW-3-20170509

Lab Sample ID: 480-117911-3

Date Collected: 05/09/17 09:40

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	UJ	100	82	ug/L			05/19/17 01:52	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			05/19/17 01:52	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31	ug/L			05/19/17 01:52	100
1,1,2-Trichloroethane	ND		100	23	ug/L			05/19/17 01:52	100
1,1-Dichloroethane	ND		100	38	ug/L			05/19/17 01:52	100
1,1-Dichloroethene	ND		100	29	ug/L			05/19/17 01:52	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			05/19/17 01:52	100
1,2,4-Trimethylbenzene	3500	J	100	75	ug/L			05/19/17 01:52	100
1,2-Dibromo-3-Chloropropane	ND	UJ	100	39	ug/L			05/19/17 01:52	100
1,2-Dibromoethane	ND		100	73	ug/L			05/19/17 01:52	100
1,2-Dichlorobenzene	ND		100	79	ug/L			05/19/17 01:52	100
1,2-Dichloroethane	ND		100	21	ug/L			05/19/17 01:52	100
1,2-Dichloropropane	ND		100	72	ug/L			05/19/17 01:52	100
1,3,5-Trimethylbenzene	2400	J	100	77	ug/L			05/19/17 01:52	100
1,3-Dichlorobenzene	ND	UJ	100	78	ug/L			05/19/17 01:52	100
1,4-Dichlorobenzene	ND		100	84	ug/L			05/19/17 01:52	100
2-Butanone (MEK)	ND		1000	130	ug/L			05/19/17 01:52	100
2-Hexanone	ND		500	120	ug/L			05/19/17 01:52	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			05/19/17 01:52	100
Acetone	ND		1000	300	ug/L			05/19/17 01:52	100
Benzene	ND		100	41	ug/L			05/19/17 01:52	100

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-3-20170509

Lab Sample ID: 480-117911-3

Date Collected: 05/09/17 09:40

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND	UJ	100	39	ug/L			05/19/17 01:52	100
Bromoform	ND		100	26	ug/L			05/19/17 01:52	100
Bromomethane	ND		100	69	ug/L			05/19/17 01:52	100
Carbon disulfide	ND		100	19	ug/L			05/19/17 01:52	100
Carbon tetrachloride	ND		100	27	ug/L			05/19/17 01:52	100
Chlorobenzene	ND		100	75	ug/L			05/19/17 01:52	100
Chloroethane	ND		100	32	ug/L			05/19/17 01:52	100
Chloroform	ND		100	34	ug/L			05/19/17 01:52	100
Chloromethane	ND		100	35	ug/L			05/19/17 01:52	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			05/19/17 01:52	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			05/19/17 01:52	100
Cyclohexane	ND		100	18	ug/L			05/19/17 01:52	100
Dibromochloromethane	ND		100	32	ug/L			05/19/17 01:52	100
Dichlorodifluoromethane	ND		100	68	ug/L			05/19/17 01:52	100
Ethylbenzene	ND		100	74	ug/L			05/19/17 01:52	100
Isopropylbenzene	160	J	100	79	ug/L			05/19/17 01:52	100
Methyl acetate	ND	UJ	250	130	ug/L			05/19/17 01:52	100
Methyl tert-butyl ether	ND		100	16	ug/L			05/19/17 01:52	100
Methylcyclohexane	ND		100	16	ug/L			05/19/17 01:52	100
Methylene Chloride	100 48	J UBJ	100	44	ug/L			05/19/17 01:52	100
N-Propylbenzene	160	J	100	69	ug/L			05/19/17 01:52	100
Styrene	ND	UJ	100	73	ug/L			05/19/17 01:52	100
Tetrachloroethene	ND		100	36	ug/L			05/19/17 01:52	100
Toluene	ND		100	51	ug/L			05/19/17 01:52	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			05/19/17 01:52	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			05/19/17 01:52	100
Trichloroethene	ND		100	46	ug/L			05/19/17 01:52	100
Trichlorofluoromethane	ND		100	88	ug/L			05/19/17 01:52	100
Vinyl chloride	ND		100	90	ug/L			05/19/17 01:52	100
Xylenes, Total	1600	J	200	66	ug/L			05/19/17 01:52	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		05/19/17 01:52	100
4-Bromofluorobenzene (Surr)	99		73 - 120		05/19/17 01:52	100
Dibromofluoromethane (Surr)	94		75 - 123		05/19/17 01:52	100
Toluene-d8 (Surr)	97		80 - 120		05/19/17 01:52	100

Client Sample ID: IW-1-20170509

Lab Sample ID: 480-117911-4

Date Collected: 05/09/17 12:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 02:20	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			05/19/17 02:20	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			05/19/17 02:20	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			05/19/17 02:20	20
1,1-Dichloroethane	ND		20	7.6	ug/L			05/19/17 02:20	20
1,1-Dichloroethene	ND		20	5.8	ug/L			05/19/17 02:20	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			05/19/17 02:20	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-1-20170509

Lab Sample ID: 480-117911-4

Date Collected: 05/09/17 12:00

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1200		20	15	ug/L			05/19/17 02:20	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			05/19/17 02:20	20
1,2-Dibromoethane	ND		20	15	ug/L			05/19/17 02:20	20
1,2-Dichlorobenzene	ND		20	16	ug/L			05/19/17 02:20	20
1,2-Dichloroethane	ND		20	4.2	ug/L			05/19/17 02:20	20
1,2-Dichloropropane	ND		20	14	ug/L			05/19/17 02:20	20
1,3,5-Trimethylbenzene	620		20	15	ug/L			05/19/17 02:20	20
1,3-Dichlorobenzene	ND		20	16	ug/L			05/19/17 02:20	20
1,4-Dichlorobenzene	ND		20	17	ug/L			05/19/17 02:20	20
2-Butanone (MEK)	ND		200	26	ug/L			05/19/17 02:20	20
2-Hexanone	ND		100	25	ug/L			05/19/17 02:20	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			05/19/17 02:20	20
Acetone	ND		200	60	ug/L			05/19/17 02:20	20
Benzene	ND		20	8.2	ug/L			05/19/17 02:20	20
Bromodichloromethane	ND		20	7.8	ug/L			05/19/17 02:20	20
Bromoform	ND		20	5.2	ug/L			05/19/17 02:20	20
Bromomethane	ND		20	14	ug/L			05/19/17 02:20	20
Carbon disulfide	ND		20	3.8	ug/L			05/19/17 02:20	20
Carbon tetrachloride	ND		20	5.4	ug/L			05/19/17 02:20	20
Chlorobenzene	ND		20	15	ug/L			05/19/17 02:20	20
Chloroethane	ND		20	6.4	ug/L			05/19/17 02:20	20
Chloroform	ND		20	6.8	ug/L			05/19/17 02:20	20
Chloromethane	ND		20	7.0	ug/L			05/19/17 02:20	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			05/19/17 02:20	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			05/19/17 02:20	20
Cyclohexane	ND		20	3.6	ug/L			05/19/17 02:20	20
Dibromochloromethane	ND		20	6.4	ug/L			05/19/17 02:20	20
Dichlorodifluoromethane	ND		20	14	ug/L			05/19/17 02:20	20
Ethylbenzene	ND		20	15	ug/L			05/19/17 02:20	20
Isopropylbenzene	36		20	16	ug/L			05/19/17 02:20	20
Methyl acetate	ND		50	26	ug/L			05/19/17 02:20	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			05/19/17 02:20	20
Methylcyclohexane	ND		20	3.2	ug/L			05/19/17 02:20	20
Methylene Chloride	ND		20	8.8	ug/L			05/19/17 02:20	20
N-Propylbenzene	39		20	14	ug/L			05/19/17 02:20	20
Styrene	ND		20	15	ug/L			05/19/17 02:20	20
Tetrachloroethene	ND		20	7.2	ug/L			05/19/17 02:20	20
Toluene	ND		20	10	ug/L			05/19/17 02:20	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			05/19/17 02:20	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			05/19/17 02:20	20
Trichloroethene	ND		20	9.2	ug/L			05/19/17 02:20	20
Trichlorofluoromethane	ND		20	18	ug/L			05/19/17 02:20	20
Vinyl chloride	ND		20	18	ug/L			05/19/17 02:20	20
Xylenes, Total	530		40	13	ug/L			05/19/17 02:20	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		05/19/17 02:20	20
4-Bromofluorobenzene (Surr)	103		73 - 120		05/19/17 02:20	20
Dibromofluoromethane (Surr)	95		75 - 123		05/19/17 02:20	20
Toluene-d8 (Surr)	98		80 - 120		05/19/17 02:20	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-4-20170509

Lab Sample ID: 480-117911-5

Date Collected: 05/09/17 11:55

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			05/19/17 02:46	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			05/19/17 02:46	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			05/19/17 02:46	50
1,1,2-Trichloroethane	ND		50	12	ug/L			05/19/17 02:46	50
1,1-Dichloroethane	ND		50	19	ug/L			05/19/17 02:46	50
1,1-Dichloroethene	ND		50	15	ug/L			05/19/17 02:46	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			05/19/17 02:46	50
1,2,4-Trimethylbenzene	930		50	38	ug/L			05/19/17 02:46	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			05/19/17 02:46	50
1,2-Dibromoethane	ND		50	37	ug/L			05/19/17 02:46	50
1,2-Dichlorobenzene	ND		50	40	ug/L			05/19/17 02:46	50
1,2-Dichloroethane	ND		50	11	ug/L			05/19/17 02:46	50
1,2-Dichloropropane	ND		50	36	ug/L			05/19/17 02:46	50
1,3,5-Trimethylbenzene	1600	F1 J	50	39	ug/L			05/19/17 02:46	50
1,3-Dichlorobenzene	ND		50	39	ug/L			05/19/17 02:46	50
1,4-Dichlorobenzene	ND		50	42	ug/L			05/19/17 02:46	50
2-Butanone (MEK)	ND		500	66	ug/L			05/19/17 02:46	50
2-Hexanone	ND		250	62	ug/L			05/19/17 02:46	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			05/19/17 02:46	50
Acetone	ND	F2 UJ	500	150	ug/L			05/19/17 02:46	50
Benzene	ND		50	21	ug/L			05/19/17 02:46	50
Bromodichloromethane	ND		50	20	ug/L			05/19/17 02:46	50
Bromoform	ND		50	13	ug/L			05/19/17 02:46	50
Bromomethane	ND		50	35	ug/L			05/19/17 02:46	50
Carbon disulfide	ND		50	9.5	ug/L			05/19/17 02:46	50
Carbon tetrachloride	ND		50	14	ug/L			05/19/17 02:46	50
Chlorobenzene	ND		50	38	ug/L			05/19/17 02:46	50
Chloroethane	ND		50	16	ug/L			05/19/17 02:46	50
Chloroform	ND		50	17	ug/L			05/19/17 02:46	50
Chloromethane	ND		50	18	ug/L			05/19/17 02:46	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			05/19/17 02:46	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			05/19/17 02:46	50
Cyclohexane	ND		50	9.0	ug/L			05/19/17 02:46	50
Dibromochloromethane	ND		50	16	ug/L			05/19/17 02:46	50
Dichlorodifluoromethane	ND		50	34	ug/L			05/19/17 02:46	50
Ethylbenzene	ND		50	37	ug/L			05/19/17 02:46	50
Isopropylbenzene	300		50	40	ug/L			05/19/17 02:46	50
Methyl acetate	ND	F1 UJ	130	65	ug/L			05/19/17 02:46	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			05/19/17 02:46	50
Methylcyclohexane	ND		50	8.0	ug/L			05/19/17 02:46	50
Methylene Chloride	50	25 J UB	50	22	ug/L			05/19/17 02:46	50
N-Propylbenzene	300		50	35	ug/L			05/19/17 02:46	50
Styrene	ND		50	37	ug/L			05/19/17 02:46	50
Tetrachloroethene	ND		50	18	ug/L			05/19/17 02:46	50
Toluene	ND		50	26	ug/L			05/19/17 02:46	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			05/19/17 02:46	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			05/19/17 02:46	50
Trichloroethene	ND		50	23	ug/L			05/19/17 02:46	50
Trichlorofluoromethane	ND		50	44	ug/L			05/19/17 02:46	50

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-4-20170509

Lab Sample ID: 480-117911-5

Date Collected: 05/09/17 11:55

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		50	45	ug/L			05/19/17 02:46	50
Xylenes, Total	190		100	33	ug/L			05/19/17 02:46	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120					05/19/17 02:46	50
4-Bromofluorobenzene (Surr)	101		73 - 120					05/19/17 02:46	50
Dibromofluoromethane (Surr)	92		75 - 123					05/19/17 02:46	50
Toluene-d8 (Surr)	97		80 - 120					05/19/17 02:46	50

Client Sample ID: IW-5-20170509

Lab Sample ID: 480-117911-6

Date Collected: 05/09/17 13:10

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25	21	ug/L			05/19/17 03:14	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			05/19/17 03:14	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			05/19/17 03:14	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			05/19/17 03:14	25
1,1-Dichloroethane	ND		25	9.5	ug/L			05/19/17 03:14	25
1,1-Dichloroethene	ND		25	7.3	ug/L			05/19/17 03:14	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			05/19/17 03:14	25
1,2,4-Trimethylbenzene	1500		25	19	ug/L			05/19/17 03:14	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			05/19/17 03:14	25
1,2-Dibromoethane	ND		25	18	ug/L			05/19/17 03:14	25
1,2-Dichlorobenzene	ND		25	20	ug/L			05/19/17 03:14	25
1,2-Dichloroethane	ND		25	5.3	ug/L			05/19/17 03:14	25
1,2-Dichloropropane	ND		25	18	ug/L			05/19/17 03:14	25
1,3,5-Trimethylbenzene	1300		25	19	ug/L			05/19/17 03:14	25
1,3-Dichlorobenzene	ND		25	20	ug/L			05/19/17 03:14	25
1,4-Dichlorobenzene	ND		25	21	ug/L			05/19/17 03:14	25
2-Butanone (MEK)	ND		250	33	ug/L			05/19/17 03:14	25
2-Hexanone	ND		130	31	ug/L			05/19/17 03:14	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			05/19/17 03:14	25
Acetone	ND		250	75	ug/L			05/19/17 03:14	25
Benzene	ND		25	10	ug/L			05/19/17 03:14	25
Bromodichloromethane	ND		25	9.8	ug/L			05/19/17 03:14	25
Bromoform	ND		25	6.5	ug/L			05/19/17 03:14	25
Bromomethane	ND		25	17	ug/L			05/19/17 03:14	25
Carbon disulfide	ND		25	4.8	ug/L			05/19/17 03:14	25
Carbon tetrachloride	ND		25	6.8	ug/L			05/19/17 03:14	25
Chlorobenzene	ND		25	19	ug/L			05/19/17 03:14	25
Chloroethane	ND		25	8.0	ug/L			05/19/17 03:14	25
Chloroform	ND		25	8.5	ug/L			05/19/17 03:14	25
Chloromethane	ND		25	8.8	ug/L			05/19/17 03:14	25
cis-1,2-Dichloroethene	ND		25	20	ug/L			05/19/17 03:14	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			05/19/17 03:14	25
Cyclohexane	ND		25	4.5	ug/L			05/19/17 03:14	25
Dibromochloromethane	ND		25	8.0	ug/L			05/19/17 03:14	25
Dichlorodifluoromethane	ND		25	17	ug/L			05/19/17 03:14	25

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-5-20170509

Lab Sample ID: 480-117911-6

Date Collected: 05/09/17 13:10

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		25	19	ug/L			05/19/17 03:14	25
Isopropylbenzene	120		25	20	ug/L			05/19/17 03:14	25
Methyl acetate	ND		63	33	ug/L			05/19/17 03:14	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			05/19/17 03:14	25
Methylcyclohexane	ND		25	4.0	ug/L			05/19/17 03:14	25
Methylene Chloride	ND		25	11	ug/L			05/19/17 03:14	25
N-Propylbenzene	86		25	17	ug/L			05/19/17 03:14	25
Styrene	ND		25	18	ug/L			05/19/17 03:14	25
Tetrachloroethene	ND		25	9.0	ug/L			05/19/17 03:14	25
Toluene	ND		25	13	ug/L			05/19/17 03:14	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			05/19/17 03:14	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			05/19/17 03:14	25
Trichloroethene	ND		25	12	ug/L			05/19/17 03:14	25
Trichlorofluoromethane	ND		25	22	ug/L			05/19/17 03:14	25
Vinyl chloride	ND		25	23	ug/L			05/19/17 03:14	25
Xylenes, Total	790		50	17	ug/L			05/19/17 03:14	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		05/19/17 03:14	25
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/17 03:14	25
Dibromofluoromethane (Surr)	97		75 - 123		05/19/17 03:14	25
Toluene-d8 (Surr)	97		80 - 120		05/19/17 03:14	25

Client Sample ID: IW-6-20170509

Lab Sample ID: 480-117911-7

Date Collected: 05/09/17 15:15

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	41	ug/L			05/19/17 03:41	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			05/19/17 03:41	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16	ug/L			05/19/17 03:41	50
1,1,2-Trichloroethane	ND		50	12	ug/L			05/19/17 03:41	50
1,1-Dichloroethane	ND		50	19	ug/L			05/19/17 03:41	50
1,1-Dichloroethene	ND		50	15	ug/L			05/19/17 03:41	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			05/19/17 03:41	50
1,2,4-Trimethylbenzene	2000		50	38	ug/L			05/19/17 03:41	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			05/19/17 03:41	50
1,2-Dibromoethane	ND		50	37	ug/L			05/19/17 03:41	50
1,2-Dichlorobenzene	ND		50	40	ug/L			05/19/17 03:41	50
1,2-Dichloroethane	ND		50	11	ug/L			05/19/17 03:41	50
1,2-Dichloropropane	ND		50	36	ug/L			05/19/17 03:41	50
1,3,5-Trimethylbenzene	1200		50	39	ug/L			05/19/17 03:41	50
1,3-Dichlorobenzene	ND		50	39	ug/L			05/19/17 03:41	50
1,4-Dichlorobenzene	ND		50	42	ug/L			05/19/17 03:41	50
2-Butanone (MEK)	ND		500	66	ug/L			05/19/17 03:41	50
2-Hexanone	ND		250	62	ug/L			05/19/17 03:41	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			05/19/17 03:41	50
Acetone	ND		500	150	ug/L			05/19/17 03:41	50
Benzene	ND		50	21	ug/L			05/19/17 03:41	50

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW-6-20170509

Lab Sample ID: 480-117911-7

Date Collected: 05/09/17 15:15

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		50	20	ug/L			05/19/17 03:41	50
Bromoform	ND		50	13	ug/L			05/19/17 03:41	50
Bromomethane	ND		50	35	ug/L			05/19/17 03:41	50
Carbon disulfide	ND		50	9.5	ug/L			05/19/17 03:41	50
Carbon tetrachloride	ND		50	14	ug/L			05/19/17 03:41	50
Chlorobenzene	ND		50	38	ug/L			05/19/17 03:41	50
Chloroethane	ND		50	16	ug/L			05/19/17 03:41	50
Chloroform	ND		50	17	ug/L			05/19/17 03:41	50
Chloromethane	ND		50	18	ug/L			05/19/17 03:41	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			05/19/17 03:41	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			05/19/17 03:41	50
Cyclohexane	ND		50	9.0	ug/L			05/19/17 03:41	50
Dibromochloromethane	ND		50	16	ug/L			05/19/17 03:41	50
Dichlorodifluoromethane	ND		50	34	ug/L			05/19/17 03:41	50
Ethylbenzene	ND		50	37	ug/L			05/19/17 03:41	50
Isopropylbenzene	250		50	40	ug/L			05/19/17 03:41	50
Methyl acetate	ND		130	65	ug/L			05/19/17 03:41	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			05/19/17 03:41	50
Methylcyclohexane	ND		50	8.0	ug/L			05/19/17 03:41	50
Methylene Chloride	50	27 J UB	50	22	ug/L			05/19/17 03:41	50
N-Propylbenzene	310		50	35	ug/L			05/19/17 03:41	50
Styrene	ND		50	37	ug/L			05/19/17 03:41	50
Tetrachloroethene	ND		50	18	ug/L			05/19/17 03:41	50
Toluene	ND		50	26	ug/L			05/19/17 03:41	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			05/19/17 03:41	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			05/19/17 03:41	50
Trichloroethene	ND		50	23	ug/L			05/19/17 03:41	50
Trichlorofluoromethane	ND		50	44	ug/L			05/19/17 03:41	50
Vinyl chloride	ND		50	45	ug/L			05/19/17 03:41	50
Xylenes, Total	2000		100	33	ug/L			05/19/17 03:41	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		05/19/17 03:41	50
4-Bromofluorobenzene (Surr)	102		73 - 120		05/19/17 03:41	50
Dibromofluoromethane (Surr)	96		75 - 123		05/19/17 03:41	50
Toluene-d8 (Surr)	97		80 - 120		05/19/17 03:41	50

Client Sample ID: VRI-1-20170509

Lab Sample ID: 480-117911-8

Date Collected: 05/09/17 13:55

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 04:08	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			05/19/17 04:08	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			05/19/17 04:08	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			05/19/17 04:08	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			05/19/17 04:08	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			05/19/17 04:08	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			05/19/17 04:08	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-1-20170509

Lab Sample ID: 480-117911-8

Date Collected: 05/09/17 13:55

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	97		5.0	3.8	ug/L			05/19/17 04:08	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			05/19/17 04:08	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			05/19/17 04:08	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			05/19/17 04:08	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			05/19/17 04:08	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			05/19/17 04:08	5
1,3,5-Trimethylbenzene	130		5.0	3.9	ug/L			05/19/17 04:08	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			05/19/17 04:08	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			05/19/17 04:08	5
2-Butanone (MEK)	ND		50	6.6	ug/L			05/19/17 04:08	5
2-Hexanone	ND		25	6.2	ug/L			05/19/17 04:08	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			05/19/17 04:08	5
Acetone	ND		50	15	ug/L			05/19/17 04:08	5
Benzene	ND		5.0	2.1	ug/L			05/19/17 04:08	5
Bromodichloromethane	ND		5.0	2.0	ug/L			05/19/17 04:08	5
Bromoform	ND		5.0	1.3	ug/L			05/19/17 04:08	5
Bromomethane	ND		5.0	3.5	ug/L			05/19/17 04:08	5
Carbon disulfide	ND		5.0	0.95	ug/L			05/19/17 04:08	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			05/19/17 04:08	5
Chlorobenzene	ND		5.0	3.8	ug/L			05/19/17 04:08	5
Chloroethane	ND		5.0	1.6	ug/L			05/19/17 04:08	5
Chloroform	ND		5.0	1.7	ug/L			05/19/17 04:08	5
Chloromethane	ND		5.0	1.8	ug/L			05/19/17 04:08	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			05/19/17 04:08	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			05/19/17 04:08	5
Cyclohexane	ND		5.0	0.90	ug/L			05/19/17 04:08	5
Dibromochloromethane	ND		5.0	1.6	ug/L			05/19/17 04:08	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			05/19/17 04:08	5
Ethylbenzene	ND		5.0	3.7	ug/L			05/19/17 04:08	5
Isopropylbenzene	9.0		5.0	4.0	ug/L			05/19/17 04:08	5
Methyl acetate	ND		13	6.5	ug/L			05/19/17 04:08	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			05/19/17 04:08	5
Methylcyclohexane	ND		5.0	0.80	ug/L			05/19/17 04:08	5
Methylene Chloride	ND		5.0	2.2	ug/L			05/19/17 04:08	5
N-Propylbenzene	5.6		5.0	3.5	ug/L			05/19/17 04:08	5
Styrene	ND		5.0	3.7	ug/L			05/19/17 04:08	5
Tetrachloroethene	ND		5.0	1.8	ug/L			05/19/17 04:08	5
Toluene	ND		5.0	2.6	ug/L			05/19/17 04:08	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			05/19/17 04:08	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			05/19/17 04:08	5
Trichloroethene	ND		5.0	2.3	ug/L			05/19/17 04:08	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			05/19/17 04:08	5
Vinyl chloride	ND		5.0	4.5	ug/L			05/19/17 04:08	5
Xylenes, Total	260		10	3.3	ug/L			05/19/17 04:08	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		05/19/17 04:08	5
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/17 04:08	5
Dibromofluoromethane (Surr)	92		75 - 123		05/19/17 04:08	5
Toluene-d8 (Surr)	98		80 - 120		05/19/17 04:08	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-3-20170510

Lab Sample ID: 480-117911-9

Date Collected: 05/10/17 11:20

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 04:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 04:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 04:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 04:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 04:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 04:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 04:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 04:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 04:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 04:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 04:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 04:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 04:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 04:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 04:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 04:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 04:35	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 04:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 04:35	1
Acetone	3.0	J	10	3.0	ug/L			05/19/17 04:35	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 04:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 04:35	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 04:35	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 04:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 04:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 04:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 04:35	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 04:35	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 04:35	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 04:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 04:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 04:35	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 04:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 04:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 04:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 04:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 04:35	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 04:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 04:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 04:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 04:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 04:35	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 04:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 04:35	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 04:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 04:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 04:35	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 04:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 04:35	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-3-20170510

Lab Sample ID: 480-117911-9

Date Collected: 05/10/17 11:20

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 04:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 04:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120					05/19/17 04:35	1
4-Bromofluorobenzene (Surr)	99		73 - 120					05/19/17 04:35	1
Dibromofluoromethane (Surr)	91		75 - 123					05/19/17 04:35	1
Toluene-d8 (Surr)	96		80 - 120					05/19/17 04:35	1

Client Sample ID: GT-14-20170510

Lab Sample ID: 480-117911-10

Date Collected: 05/10/17 10:30

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 05:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 05:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 05:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 05:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 05:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 05:02	1
1,2,4-Trimethylbenzene	2.1		1.0	0.75	ug/L			05/19/17 05:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 05:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 05:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 05:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 05:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 05:02	1
1,3,5-Trimethylbenzene	1.6		1.0	0.77	ug/L			05/19/17 05:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 05:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 05:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 05:02	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 05:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 05:02	1
Acetone	ND		10	3.0	ug/L			05/19/17 05:02	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 05:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 05:02	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 05:02	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 05:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 05:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 05:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 05:02	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 05:02	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 05:02	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 05:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 05:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 05:02	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 05:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 05:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 05:02	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-14-20170510

Lab Sample ID: 480-117911-10

Date Collected: 05/10/17 10:30

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 05:02	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 05:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 05:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 05:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 05:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 05:02	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 05:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 05:02	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 05:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 05:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 05:02	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 05:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 05:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 05:02	1
Xylenes, Total	1.6	J	2.0	0.66	ug/L			05/19/17 05:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		05/19/17 05:02	1
4-Bromofluorobenzene (Surr)	102		73 - 120		05/19/17 05:02	1
Dibromofluoromethane (Surr)	96		75 - 123		05/19/17 05:02	1
Toluene-d8 (Surr)	96		80 - 120		05/19/17 05:02	1

Client Sample ID: GT-15-20170510

Lab Sample ID: 480-117911-11

Date Collected: 05/10/17 11:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 05:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 05:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 05:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 05:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 05:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 05:29	1
1,2,4-Trimethylbenzene	2.3		1.0	0.75	ug/L			05/19/17 05:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 05:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 05:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 05:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 05:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 05:29	1
1,3,5-Trimethylbenzene	1.7		1.0	0.77	ug/L			05/19/17 05:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 05:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 05:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 05:29	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 05:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 05:29	1
Acetone	ND		10	3.0	ug/L			05/19/17 05:29	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 05:29	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-15-20170510

Lab Sample ID: 480-117911-11

Date Collected: 05/10/17 11:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 05:29	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 05:29	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 05:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 05:29	1
Carbon tetrachloride	0.35	J	1.0	0.27	ug/L			05/19/17 05:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 05:29	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 05:29	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 05:29	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 05:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 05:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 05:29	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 05:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 05:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 05:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 05:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 05:29	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 05:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 05:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 05:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 05:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 05:29	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 05:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 05:29	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 05:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 05:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 05:29	1
Trichloroethene	3.5		1.0	0.46	ug/L			05/19/17 05:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 05:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 05:29	1
Xylenes, Total	2.3		2.0	0.66	ug/L			05/19/17 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		05/19/17 05:29	1
4-Bromofluorobenzene (Surr)	102		73 - 120		05/19/17 05:29	1
Dibromofluoromethane (Surr)	95		75 - 123		05/19/17 05:29	1
Toluene-d8 (Surr)	98		80 - 120		05/19/17 05:29	1

Client Sample ID: VRI-9

Lab Sample ID: 480-117911-12

Date Collected: 05/10/17 14:15

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	UJ	1.0	0.82	ug/L			05/19/17 05:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 05:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 05:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 05:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 05:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 05:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 05:57	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-9

Lab Sample ID: 480-117911-12

Date Collected: 05/10/17 14:15

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	3.5	J	1.0	0.75	ug/L			05/19/17 05:57	1
1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.39	ug/L			05/19/17 05:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 05:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 05:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 05:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 05:57	1
1,3,5-Trimethylbenzene	2.5	J	1.0	0.77	ug/L			05/19/17 05:57	1
1,3-Dichlorobenzene	ND	UJ	1.0	0.78	ug/L			05/19/17 05:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 05:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 05:57	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 05:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 05:57	1
Acetone	5.7	J	10	3.0	ug/L			05/19/17 05:57	1
Benzene	ND	UJ	1.0	0.41	ug/L			05/19/17 05:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 05:57	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 05:57	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 05:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 05:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 05:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 05:57	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 05:57	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 05:57	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 05:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 05:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 05:57	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 05:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 05:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 05:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 05:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 05:57	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 05:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 05:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 05:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 05:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 05:57	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 05:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 05:57	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 05:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 05:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 05:57	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 05:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 05:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 05:57	1
Xylenes, Total	3.1	J	2.0	0.66	ug/L			05/19/17 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		05/19/17 05:57	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/19/17 05:57	1
Dibromofluoromethane (Surr)	93		75 - 123		05/19/17 05:57	1
Toluene-d8 (Surr)	95		80 - 120		05/19/17 05:57	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-2
Date Collected: 05/10/17 16:40
Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-13
Matrix: Water

Method: 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			05/19/17 06:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 06:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 06:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 06:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 06:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/17 06:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 06:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 06:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 06:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 06:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 06:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 06:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 06:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 06:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 06:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 06:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 06:24	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 06:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 06:24	1
Acetone	ND		10	3.0	ug/L			05/19/17 06:24	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 06:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 06:24	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 06:24	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 06:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 06:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 06:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 06:24	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 06:24	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 06:24	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 06:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 06:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 06:24	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 06:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 06:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 06:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 06:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 06:24	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 06:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 06:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 06:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 06:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 06:24	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 06:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 06:24	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 06:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 06:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 06:24	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 06:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 06:24	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-2

Date Collected: 05/10/17 16:40

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-13

Matrix: Water

Method: 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			05/19/17 06:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 06:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120					05/19/17 06:24	1
4-Bromofluorobenzene (Surr)	101		73 - 120					05/19/17 06:24	1
Dibromofluoromethane (Surr)	95		75 - 123					05/19/17 06:24	1
Toluene-d8 (Surr)	94		80 - 120					05/19/17 06:24	1

Client Sample ID: TRIP BLANK

Date Collected: 05/10/17 00:00

Date Received: 05/12/17 02:15

Lab Sample ID: 480-117911-14

Matrix: Water

Method: 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			05/20/17 06:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/20/17 06:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/20/17 06:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/20/17 06:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/20/17 06:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/20/17 06:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/20/17 06:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/20/17 06:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/20/17 06:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/20/17 06:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/20/17 06:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/20/17 06:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/20/17 06:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/20/17 06:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/20/17 06:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/20/17 06:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/20/17 06:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/20/17 06:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/20/17 06:58	1
Acetone	ND		10	3.0	ug/L			05/20/17 06:58	1
Benzene	ND		1.0	0.41	ug/L			05/20/17 06:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/20/17 06:58	1
Bromoform	ND		1.0	0.26	ug/L			05/20/17 06:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/20/17 06:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/20/17 06:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/20/17 06:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/20/17 06:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/20/17 06:58	1
Chloroform	ND		1.0	0.34	ug/L			05/20/17 06:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/20/17 06:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/20/17 06:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/20/17 06:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/20/17 06:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/20/17 06:58	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			05/20/17 06:58	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-117911-14

Date Collected: 05/10/17 00:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/20/17 06:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/20/17 06:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/20/17 06:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/20/17 06:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/20/17 06:58	1
Methylene Chloride	0.85	J B	1.0	0.44	ug/L			05/20/17 06:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/20/17 06:58	1
Styrene	ND		1.0	0.73	ug/L			05/20/17 06:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/20/17 06:58	1
Toluene	ND		1.0	0.51	ug/L			05/20/17 06:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/20/17 06:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/20/17 06:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/20/17 06:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/20/17 06:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/20/17 06:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/20/17 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		05/20/17 06:58	1
4-Bromofluorobenzene (Surr)	99		73 - 120		05/20/17 06:58	1
Dibromofluoromethane (Surr)	91		75 - 123		05/20/17 06:58	1
Toluene-d8 (Surr)	94		80 - 120		05/20/17 06:58	1

Client Sample ID: IW7-20170509

Lab Sample ID: 480-117911-15

Date Collected: 05/09/17 15:20

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 06:52	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			05/19/17 06:52	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			05/19/17 06:52	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			05/19/17 06:52	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			05/19/17 06:52	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			05/19/17 06:52	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			05/19/17 06:52	5
1,2,4-Trimethylbenzene	300		5.0	3.8	ug/L			05/19/17 06:52	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			05/19/17 06:52	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			05/19/17 06:52	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			05/19/17 06:52	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			05/19/17 06:52	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			05/19/17 06:52	5
1,3,5-Trimethylbenzene	260		5.0	3.9	ug/L			05/19/17 06:52	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			05/19/17 06:52	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			05/19/17 06:52	5
2-Butanone (MEK)	ND		50	6.6	ug/L			05/19/17 06:52	5
2-Hexanone	ND		25	6.2	ug/L			05/19/17 06:52	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			05/19/17 06:52	5
Acetone	15	J	50	15	ug/L			05/19/17 06:52	5
Benzene	ND		5.0	2.1	ug/L			05/19/17 06:52	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: IW7-20170509

Lab Sample ID: 480-117911-15

Date Collected: 05/09/17 15:20

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0	2.0	ug/L			05/19/17 06:52	5
Bromoform	ND		5.0	1.3	ug/L			05/19/17 06:52	5
Bromomethane	ND		5.0	3.5	ug/L			05/19/17 06:52	5
Carbon disulfide	ND		5.0	0.95	ug/L			05/19/17 06:52	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			05/19/17 06:52	5
Chlorobenzene	ND		5.0	3.8	ug/L			05/19/17 06:52	5
Chloroethane	ND		5.0	1.6	ug/L			05/19/17 06:52	5
Chloroform	ND		5.0	1.7	ug/L			05/19/17 06:52	5
Chloromethane	ND		5.0	1.8	ug/L			05/19/17 06:52	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			05/19/17 06:52	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			05/19/17 06:52	5
Cyclohexane	ND		5.0	0.90	ug/L			05/19/17 06:52	5
Dibromochloromethane	ND		5.0	1.6	ug/L			05/19/17 06:52	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			05/19/17 06:52	5
Ethylbenzene	ND		5.0	3.7	ug/L			05/19/17 06:52	5
Isopropylbenzene	9.3		5.0	4.0	ug/L			05/19/17 06:52	5
Methyl acetate	ND		13	6.5	ug/L			05/19/17 06:52	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			05/19/17 06:52	5
Methylcyclohexane	ND		5.0	0.80	ug/L			05/19/17 06:52	5
Methylene Chloride	ND		5.0	2.2	ug/L			05/19/17 06:52	5
N-Propylbenzene	6.3		5.0	3.5	ug/L			05/19/17 06:52	5
Styrene	ND		5.0	3.7	ug/L			05/19/17 06:52	5
Tetrachloroethene	ND		5.0	1.8	ug/L			05/19/17 06:52	5
Toluene	ND		5.0	2.6	ug/L			05/19/17 06:52	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			05/19/17 06:52	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			05/19/17 06:52	5
Trichloroethene	ND		5.0	2.3	ug/L			05/19/17 06:52	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			05/19/17 06:52	5
Vinyl chloride	ND		5.0	4.5	ug/L			05/19/17 06:52	5
Xylenes, Total	220		10	3.3	ug/L			05/19/17 06:52	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		05/19/17 06:52	5
4-Bromofluorobenzene (Surr)	98		73 - 120		05/19/17 06:52	5
Dibromofluoromethane (Surr)	96		75 - 123		05/19/17 06:52	5
Toluene-d8 (Surr)	97		80 - 120		05/19/17 06:52	5

Client Sample ID: VRI-4-20170510

Lab Sample ID: 480-117911-16

Date Collected: 05/10/17 13:40

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 13:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 13:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 13:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 13:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 13:47	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			05/19/17 13:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 13:47	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: VRI-4-20170510

Lab Sample ID: 480-117911-16

Date Collected: 05/10/17 13:40

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 13:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 13:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 13:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 13:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 13:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 13:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 13:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 13:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 13:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 13:47	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 13:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 13:47	1
Acetone	3.7	J	10	3.0	ug/L			05/19/17 13:47	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 13:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 13:47	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 13:47	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 13:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 13:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 13:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 13:47	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 13:47	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 13:47	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 13:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 13:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 13:47	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 13:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 13:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 13:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 13:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 13:47	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 13:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 13:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 13:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 13:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 13:47	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 13:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 13:47	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 13:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 13:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 13:47	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 13:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 13:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/17 13:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/19/17 13:47	1
4-Bromofluorobenzene (Surr)	98		73 - 120		05/19/17 13:47	1
Dibromofluoromethane (Surr)	92		75 - 123		05/19/17 13:47	1
Toluene-d8 (Surr)	98		80 - 120		05/19/17 13:47	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-9R-20170510

Lab Sample ID: 480-117911-17

Date Collected: 05/10/17 16:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 14:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/17 14:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/17 14:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/17 14:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/17 14:10	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			05/19/17 14:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/17 14:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/19/17 14:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/17 14:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/17 14:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/17 14:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/17 14:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/17 14:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/19/17 14:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/17 14:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/17 14:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/17 14:10	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/17 14:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/17 14:10	1
Acetone	3.1	J	10	3.0	ug/L			05/19/17 14:10	1
Benzene	ND		1.0	0.41	ug/L			05/19/17 14:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/17 14:10	1
Bromoform	ND		1.0	0.26	ug/L			05/19/17 14:10	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/17 14:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/17 14:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/17 14:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/17 14:10	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/17 14:10	1
Chloroform	ND		1.0	0.34	ug/L			05/19/17 14:10	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/17 14:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/17 14:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/17 14:10	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/17 14:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/17 14:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/17 14:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/17 14:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/17 14:10	1
Methyl acetate	ND		2.5	1.3	ug/L			05/19/17 14:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/17 14:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/17 14:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/17 14:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/19/17 14:10	1
Styrene	ND		1.0	0.73	ug/L			05/19/17 14:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/17 14:10	1
Toluene	ND		1.0	0.51	ug/L			05/19/17 14:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/17 14:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/17 14:10	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/17 14:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/17 14:10	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-9R-20170510

Lab Sample ID: 480-117911-17

Date Collected: 05/10/17 16:00

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/19/17 14:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/17 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					05/19/17 14:10	1
4-Bromofluorobenzene (Surr)	97		73 - 120					05/19/17 14:10	1
Dibromofluoromethane (Surr)	97		75 - 123					05/19/17 14:10	1
Toluene-d8 (Surr)	95		80 - 120					05/19/17 14:10	1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-117911-18

Date Collected: 05/10/17 16:30

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	UJ	1.0	0.82	ug/L			05/20/17 07:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/20/17 07:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/20/17 07:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/20/17 07:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/20/17 07:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/20/17 07:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/20/17 07:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/20/17 07:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/20/17 07:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/20/17 07:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/20/17 07:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/20/17 07:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/20/17 07:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/20/17 07:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/20/17 07:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/20/17 07:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/20/17 07:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/20/17 07:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/20/17 07:25	1
Acetone	ND		10	3.0	ug/L			05/20/17 07:25	1
Benzene	ND		1.0	0.41	ug/L			05/20/17 07:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/20/17 07:25	1
Bromoform	ND		1.0	0.26	ug/L			05/20/17 07:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/20/17 07:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/20/17 07:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/20/17 07:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/20/17 07:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/20/17 07:25	1
Chloroform	ND		1.0	0.34	ug/L			05/20/17 07:25	1
Chloromethane	ND		1.0	0.35	ug/L			05/20/17 07:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/20/17 07:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/20/17 07:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/20/17 07:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/20/17 07:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/20/17 07:25	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-117911-18

Date Collected: 05/10/17 16:30

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	UJ	1.0	0.74	ug/L			05/20/17 07:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/20/17 07:25	1
Methyl acetate	ND		2.5	1.3	ug/L			05/20/17 07:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/20/17 07:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/20/17 07:25	1
Methylene Chloride	1.4	B J	1.0	0.44	ug/L			05/20/17 07:25	1
N-Propylbenzene	ND	UJ	1.0	0.69	ug/L			05/20/17 07:25	1
Styrene	ND		1.0	0.73	ug/L			05/20/17 07:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/20/17 07:25	1
Toluene	ND		1.0	0.51	ug/L			05/20/17 07:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/20/17 07:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/20/17 07:25	1
Trichloroethene	ND		1.0	0.46	ug/L			05/20/17 07:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/20/17 07:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/20/17 07:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/20/17 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		77 - 120		05/20/17 07:25	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/20/17 07:25	1
Dibromofluoromethane (Surr)	93		75 - 123		05/20/17 07:25	1
Toluene-d8 (Surr)	94		80 - 120		05/20/17 07:25	1

Client Sample ID: GT-7-20170511

Lab Sample ID: 480-117911-19

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/22/17 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/17 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/17 15:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/17 15:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/17 15:30	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			05/22/17 15:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/17 15:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/22/17 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/17 15:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/17 15:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/17 15:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/17 15:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/17 15:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/22/17 15:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/17 15:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/17 15:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/17 15:30	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/17 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/17 15:30	1
Acetone	3.1	J	10	3.0	ug/L			05/22/17 15:30	1
Benzene	ND		1.0	0.41	ug/L			05/22/17 15:30	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-7-20170511

Lab Sample ID: 480-117911-19

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/22/17 15:30	1
Bromoform	ND		1.0	0.26	ug/L			05/22/17 15:30	1
Bromomethane	ND		1.0	0.69	ug/L			05/22/17 15:30	1
Carbon disulfide	ND	UJ	1.0	0.19	ug/L			05/22/17 15:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/22/17 15:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/17 15:30	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/17 15:30	1
Chloroform	ND		1.0	0.34	ug/L			05/22/17 15:30	1
Chloromethane	ND		1.0	0.35	ug/L			05/22/17 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/17 15:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/17 15:30	1
Cyclohexane	ND		1.0	0.18	ug/L			05/22/17 15:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/17 15:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/17 15:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/17 15:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/17 15:30	1
Methyl acetate	ND		2.5	1.3	ug/L			05/22/17 15:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/17 15:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/17 15:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/17 15:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/22/17 15:30	1
Styrene	ND		1.0	0.73	ug/L			05/22/17 15:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/22/17 15:30	1
Toluene	ND		1.0	0.51	ug/L			05/22/17 15:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/17 15:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/17 15:30	1
Trichloroethene	ND		1.0	0.46	ug/L			05/22/17 15:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/17 15:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/17 15:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/17 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		05/22/17 15:30	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/22/17 15:30	1
Dibromofluoromethane (Surr)	104		75 - 123		05/22/17 15:30	1
Toluene-d8 (Surr)	97		80 - 120		05/22/17 15:30	1

Client Sample ID: GT-16-20170511

Lab Sample ID: 480-117911-20

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

Method: 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			05/22/17 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/22/17 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/22/17 15:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/22/17 15:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/22/17 15:53	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			05/22/17 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/22/17 15:53	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-117911-1

Client Sample ID: GT-16-20170511

Lab Sample ID: 480-117911-20

Date Collected: 05/11/17 10:50

Matrix: Water

Date Received: 05/12/17 02:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			05/22/17 15:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/22/17 15:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/22/17 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/22/17 15:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/22/17 15:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/22/17 15:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			05/22/17 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/22/17 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/22/17 15:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/22/17 15:53	1
2-Hexanone	ND		5.0	1.2	ug/L			05/22/17 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/22/17 15:53	1
Acetone	3.2	J	10	3.0	ug/L			05/22/17 15:53	1
Benzene	ND		1.0	0.41	ug/L			05/22/17 15:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/22/17 15:53	1
Bromoform	ND		1.0	0.26	ug/L			05/22/17 15:53	1
Bromomethane	ND		1.0	0.69	ug/L			05/22/17 15:53	1
Carbon disulfide	ND	UJ	1.0	0.19	ug/L			05/22/17 15:53	1
Carbon tetrachloride	1.1		1.0	0.27	ug/L			05/22/17 15:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/22/17 15:53	1
Chloroethane	ND		1.0	0.32	ug/L			05/22/17 15:53	1
Chloroform	3.0		1.0	0.34	ug/L			05/22/17 15:53	1
Chloromethane	ND		1.0	0.35	ug/L			05/22/17 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/22/17 15:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/22/17 15:53	1
Cyclohexane	ND		1.0	0.18	ug/L			05/22/17 15:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/22/17 15:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/22/17 15:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/22/17 15:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/22/17 15:53	1
Methyl acetate	ND		2.5	1.3	ug/L			05/22/17 15:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/22/17 15:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/22/17 15:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/22/17 15:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/22/17 15:53	1
Styrene	ND		1.0	0.73	ug/L			05/22/17 15:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/22/17 15:53	1
Toluene	ND		1.0	0.51	ug/L			05/22/17 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/22/17 15:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/22/17 15:53	1
Trichloroethene	12		1.0	0.46	ug/L			05/22/17 15:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/22/17 15:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/22/17 15:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/22/17 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		05/22/17 15:53	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/22/17 15:53	1
Dibromofluoromethane (Surr)	99		75 - 123		05/22/17 15:53	1
Toluene-d8 (Surr)	97		80 - 120		05/22/17 15:53	1

TestAmerica Buffalo

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: <u>N. Buffalo</u>		Lab PM: Deyo, Melissa L		COC No: 480-96938-23093.1			
Client Contact: <u>Suzie Ellsworth</u>		Phone: <u>315-378-8692</u>		E-Mail: <u>melissa.deyo@testamericainc.com</u>		Page: <u>1 of 3</u>			
Company: <u>ARCADIS U.S., Inc.</u>		Due Date Requested:		Analysis Requested		Job #: <u>10f2</u>			
Address: <u>414 Lovell Road Suite 202 855 Rt 146 Ste 210</u>		TAT Requested (days):		Field Filtered Sample (Yes or No) Performs MS/MSD (Yes or No) 8260C - VOC		Preservation Codes:			
City: <u>Knoxville</u>		Total Number of Containers Special Instructions/Note:				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)			
State, Zip: <u>TN 37934</u>						PO #: <u>AP086277.3000.3000S</u>		Other:	
Phone:						WO #:			
Email: <u>suzie.ellsworth@arcadis.com</u>						Project #:			
Project Name: <u>GE Rotterdam, NY</u>		SSOW#:							
Site: <u>Rivernew</u>									
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)	Performs MS/MSD (Yes or No)		
DUP-20170509		5/9/17		G	Water		3		
✓ IW-2-20170509		5/9/17	0940	G	Water		3		
✓ IW-3-20170509		5/9/17	0940	G	Water		3		
IW-1-20170509		5/9/17	13:10	G	Water		3		
✓ IW-4-20170509 MS/MSD		5/9/17	11:55	G	Water	Y	9		
✓ IW-5-20170509		5/9/17	13:10	G	Water		3		
✓ IW-6-20170509		5/9/17	15:15	G	Water		3		
VRI-1-20170509		5/9/17	13:55	G	Water		3		
VRI-3-20170509		5/10/17	11:20	G	Water		3		
VRI-4-20170510		5/10/17			Water				
GT-14-20170510		5/10/17	10:30	G	Water		3		
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		☐ 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: <u>Nicholle Coniff</u>		Date/Time: <u>5/11/17 14:00</u>	Company: <u>ARCADIS</u>	Received by: <u>[Signature]</u>		Date/Time: <u>5/11/17 1400</u>	Company: <u>SIR</u>		
Relinquished by: <u>RE 5/11/17</u>		Date/Time: <u>5/11/17 19:00</u>	Company: <u>Syn</u>	Received by: <u>[Signature]</u>		Date/Time: <u>5-12-17 0215</u>	Company: <u>TAB</u>		
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:		
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>0.9 #1</u>					

TestAmerica

"SIL" LEAKAGE AND FLOW EXPERIMENTAL TESTING

Client Information		Sampler: <u>Nichole Guffin</u>		Lab PM: <u>Deyo, Melissa L</u>		Carrier Tracking No(s):		COC No: <u>480-96938-23093.2</u>																					
Client Contact: <u>Suzie Walls</u>		Phone: <u>315-378-8642</u>		E-Mail: <u>melissa.deyo@testamericainc.com</u>				Page: <u>Page 2 of 3</u>																					
Company: <u>ARCADIS U.S., Inc.</u>								Job #: <u>Aug 2012</u>																					
Address: <u>114 Lovell Road Suite 202</u>		Due Date Requested:		Analysis Requested				Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)																					
City: <u>Clifton Park</u>		TAT Requested (days):																											
State, Zip: <u>IN 47934 NY 12065</u>																													
Phone: <u>Suzie.ellsworth@arcadis.com</u>		PO #: <u>AP086277.3000.3000S</u>																											
Email: <u>suzie.walls@arcadis.com</u>		WO #:																											
Project Name: <u>GE Rotterdam, NY</u>		Project #: <u>48015931</u>																											
Site: <u>Riverview</u>		SSOW#:																											
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 H2S/MSB (Yes or No)		B206C - VOC		Total Number of containers		Special Instructions/Note:											
<u>BT-15-20170510</u>		<u>5/10/17</u>		<u>11:50</u>		<u>G</u>		<u>Water</u>						<u>3</u>															
<u>VRI-9</u>		<u>5/10/17</u>		<u>14:15</u>		<u>G</u>		<u>Water</u>						<u>3</u>															
<u>VRI-2</u>		<u>5/10/17</u>		<u>16:40</u>		<u>G</u>		<u>Water</u>						<u>3</u>															
<u>Trip blank</u>		<u>—</u>		<u>—</u>		<u>JB</u>		<u>Water</u>						<u>2</u>				<u>trip blank.</u>											
<u>IW7-20170509</u>		<u>5/9/17</u>		<u>15:20</u>		<u>G</u>		<u>Water</u>						<u>3</u>															
<u>VRI-4-20170510</u>		<u>5/10/17</u>		<u>13:40</u>		<u>G</u>		<u>Water</u>						<u>3</u>															
<u>BT-9R-20170510</u>		<u>5/10/17</u>		<u>16:00</u>		<u>G</u>		<u>Water</u>						<u>3</u>															
<u>Field Blank</u>		<u>5/10/17</u>		<u>16:30</u>		<u>FB</u>		<u>Water</u>						<u>1</u>				<u>FB</u>											
<u>BT-7-20170511</u>		<u>5/11/17</u>		<u>10:50</u>		<u>G</u>		<u>Water</u>						<u>3</u>															
<u>BT-16-20170511</u>		<u>5/11/17</u>		<u>10:50</u>		<u>G</u>		<u>Water</u>						<u>3</u>															
<u>— RE</u>								<u>Water</u>																					
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: <u>Nichole Guffin</u>				Date/Time: <u>5/11/17 1400</u>				Company: <u>ARCADIS</u>				Received by: <u>Calvin</u>				Date/Time: <u>5/11/17 1400</u>				Company: <u>SAR</u>									
Relinquished by: <u>REH91114</u>				Date/Time: <u>5-11-17 19:00</u>				Company: <u>SAR</u>				Received by: <u>FW</u>				Date/Time: <u>5-12-17 02:15</u>				Company: <u>FW</u>									
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: <u>0.1 #1</u>									

Arcadis of New York, Inc.

855 Route 146

Suite 210

Clifton Park, New York 12065

Tel 518 250 7300

Fax 518 250 7301

www.arcadis.com