



GTE Operations Support Incorporated  
One Verizon Way (VC 33E039)  
Basking Ridge, NJ 07920-1097  
908-559-3691

June 16, 2021

Ms. Danielle Miles  
Assistant Engineer, Division of Environmental Remediation  
New York State Department of Environmental Conservation  
6274 East Avon-Lima Road  
Avon, NY 14414

Re: *March 2021 Semi-Annual Groundwater Sampling Event*

Dear Ms. Miles:

Results are attached for semi-annual groundwater sampling conducted in March 2021 at the Former Philips Display Components Facility in Seneca Falls, New York. Chlorinated volatile organic compounds, primarily trichloroethene and cis-1,2-dichloroethene, were reported in select groundwater samples at concentrations greater than New York State Department of Environmental Conservation (NYSDEC) Class GA Standards.

The next semi-annual groundwater sampling event is tentatively scheduled for September 2021.

Please contact me if you have any questions.

Sincerely,

Matthew T. Walsh  
Manager – Environment, Health and Safety

### **Attachments**

- A – March 2021 Groundwater Sampling Event Summary
- B – Figures
- C – Tables
- D – Groundwater VOC Concentration Graphs
- E – Data Validation Report

ec:

Mr. Eamonn O'Neil (NYSDOH)  
Mr. Andy Park (USEPA)  
Mr. Charles Harewood (USEPA)  
Mr. Stephen Bregande (Seneca Falls Specialties & Logistics Company, Inc.)  
Mr. J. Christopher Woods (Seneca Falls Specialties & Logistics Company, Inc.)  
Mr. Anthony Halling (Philips North America LLC)  
Mr. Mark Flusche (Arcadis U.S., Inc.)

# ATTACHMENT A

March 2021 Groundwater Sampling Event Summary



## March 2021 Semi-Annual Groundwater Sampling

On March 22, 2021, Arcadis of New York, Inc. measured depths to groundwater in 17 monitoring wells and retrieved passive diffusion bags (PDBs) from 8 monitoring wells where PDBs were deployed on September 8, 2020 (Attachment B Figure 1). Nine groundwater samples, including one duplicate sample were collected for analysis of volatile organic compounds (VOC) from PDBs retrieved from six shallow monitoring wells (MW-22 through 26 and MW-29), one weathered bedrock monitoring wells (MW-BR-06), and one bedrock monitoring wells (MW-BR-05).

The samples were shipped overnight with a trip blank to Eurofins TestAmerica Laboratories, Inc., of Buffalo, New York. The samples were analyzed for VOCs using United States Environmental Protection Agency Method 8260C. A table summarizing the analytical results is in Attachment C and graphs of groundwater VOC analytical results are in Attachment D. Data Validation Services, Inc., of North Creek, New York, performed third-party data validation. Sample results are usable as reported (Attachment E).

Table 1 provides depth to water measurements and groundwater elevations (Attachment C). Groundwater potentiometric surface contours for March 2021 (Attachment B Figure 2) show groundwater flow through the overburden is toward the south and east.

Table 2 provides analytical results for the March 2021 groundwater and quality assurance and quality control samples (Attachment C). VOC concentrations in the March 2021 samples were compared to the New York State Department of Environmental Conservation (NYSDEC) Class GA Standards.

- Trichloroethene was reported at concentrations greater than the NYSDEC Class GA Standard of 5 micrograms per liter ( $\mu\text{g}/\text{L}$ ) in samples from monitoring wells MW-22, MW-23, and MW-26.
- *cis*-1,2-Dichloroethene was reported at concentrations greater than the NYSDEC Class GA Standard of 5  $\mu\text{g}/\text{L}$  in samples from monitoring wells MW-23 through MW-26, and MW-29, and in the duplicate sample from monitoring well MW-25.
- 1,1-Dichloroethane was reported at a concentration greater than the NYSDEC Class GA Standard of 5  $\mu\text{g}/\text{L}$  in the sample and duplicate sample from monitoring well MW-25.

On March 29, 2021, after groundwater samples were collected, new PDBs were deployed in the 14 monitoring wells scheduled for groundwater sampling in September 2021. The PDBs were installed in the middle of the well screen, consistent with previous sampling procedures.

## ATTACHMENT B

### Figures





#### LEGEND

- MW-22 • SEMI-ANNUAL MONITORING WELL
- MW-BR-02 • ANNUAL MONITORING WELL
- MW-21 ■ MONITORING WELL IN WHICH WATER LEVELS ONLY ARE MEASURED

10A

BUILDING NUMBER

- PROPERTY BOUNDARY
- EDGE OF WATER
- EDGE OF TREE LINE

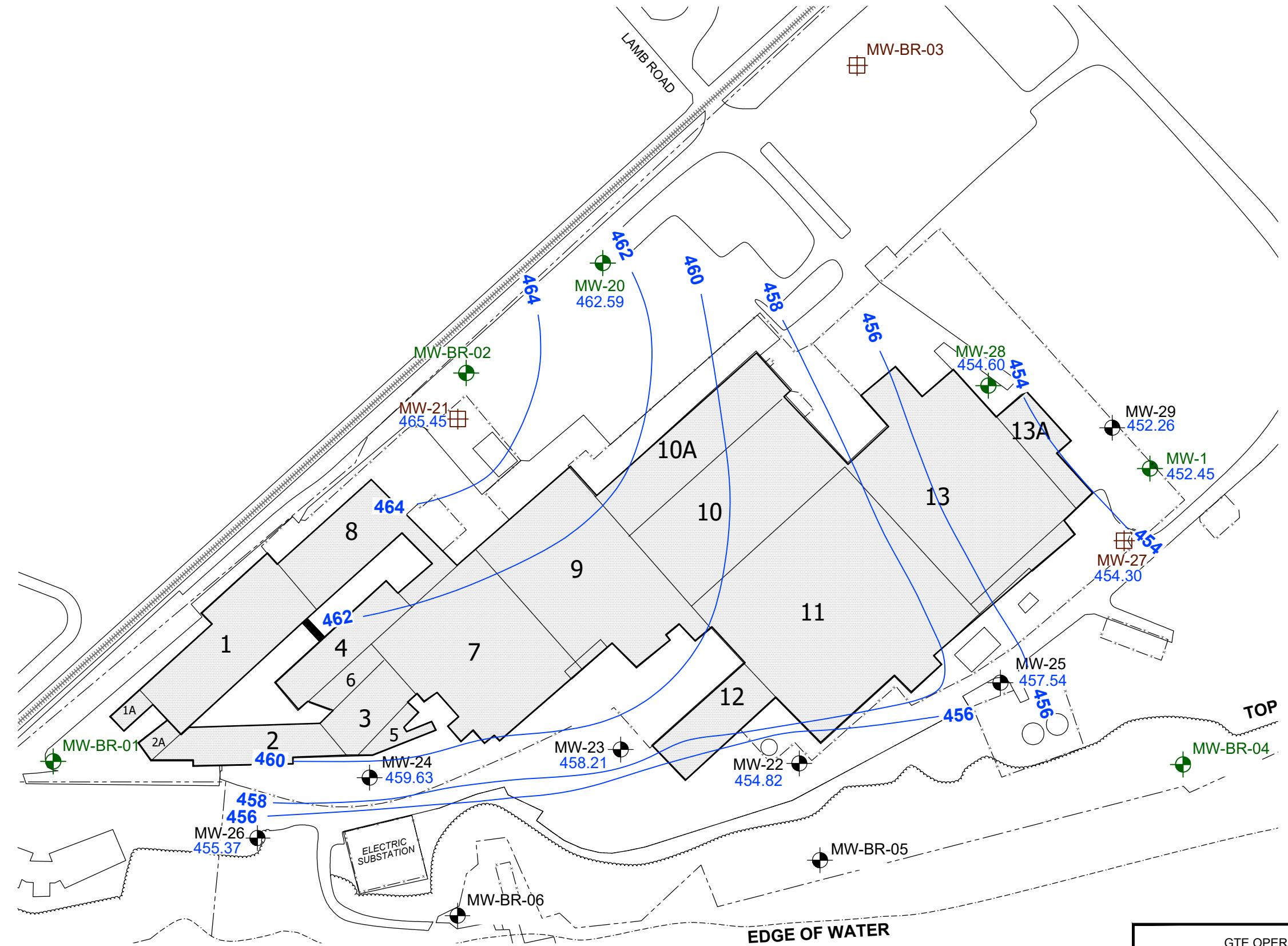
|||||||||||||RAILROAD

— x — x — CHAIN-LINK FENCE

0 200' 400'  
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INC.,  
 FORMER PHILIPS DISPLAY COMPONENTS FACILITY  
 SENECA FALLS, NEW YORK

#### SITE PLAN



## LEGEND

- MW-22  SEMI-ANNUAL MONITORING WELL
- MW-BR-02  ANNUAL MONITORING WELL
- MW-21  MONITORING WELL IN WHICH WATER LEVELS ONLY ARE MEASURED

— — — — — PROPERTY BOUNDARY  
— — — — — EDGE OF WATER  
~~~~~ TOP OF BANK

||||||||||||||||| RAILROAD  
— x — x — CHAIN-LINK FENCE  
464.65 GROUNDWATER ELEVATION  
462 — GROUNDWATER CONTOUR

GTE OPERATIONS SUPPORT INC.,  
FORMER PHILIPS DISPLAY COMPONENTS FACILITY  
SENECA FALLS, NEW YORK

## OVERBURDEN GROUNDWATER POTENTIOMETRIC SURFACE MAP MARCH 29, 2021

# ATTACHMENT C

## Tables



**Table 1**  
**Depth to Water Measurements**  
**Former Philips Display Components Facility**  
**Seneca Falls, New York**

| Well Number | Datum Elevation | Depth to Water (feet) | Water Level Elevation (feet AMSL) |
|-------------|-----------------|-----------------------|-----------------------------------|
| MW-1        | 460.83          | 8.38                  | 452.45                            |
| MW-20       | 463.42          | 0.83                  | 462.59                            |
| MW-21       | 467.39          | 1.94                  | 465.45                            |
| MW-22       | 460.77          | 5.95                  | 454.82                            |
| MW-23       | 460.59          | 2.38                  | 458.21                            |
| MW-24       | 462.76          | 3.13                  | 459.63                            |
| MW-25       | 460.74          | 3.20                  | 457.54                            |
| MW-26       | 458.80          | 3.43                  | 455.37                            |
| MW-27       | 460.45          | 6.15                  | 454.30                            |
| MW-28       | 461.26          | 6.66                  | 454.60                            |
| MW-29       | 459.89          | 7.63                  | 452.26                            |
| MW-BR-01    | 462.64          | 34.58                 | 428.06                            |
| MW-BR-02    | 467.87          | 29.24                 | 438.63                            |
| MW-BR-03    | 457.06          | 11.02                 | 446.04                            |
| MW-BR-04    | 396.39          | --                    | Artesian                          |
| MW-BR-05    | 401.34          | 21.08                 | 380.26                            |
| MW-BR-06    | 436.30          | 39.19                 | 397.11                            |

Notes:

AMSL - Above mean sea level

-- - Not Measured

Depth to water measurements were recorded March 29, 2021.

Table 2  
 Groundwater Analytical Results (March 2021)  
 Former Philips Display Components Facility  
 Seneca Falls, New York

| VOCs                        | CAS #      | NYS Class GA Standard | MW-22      | MW-23      | MW-24           | MW-25      | MW-25 Dup  | MW-26     | MW-29      | MW-BR-05 | MW-BR-06 | TRIP BLANK |
|-----------------------------|------------|-----------------------|------------|------------|-----------------|------------|------------|-----------|------------|----------|----------|------------|
| 1,1,1-Trichloroethane       | 71-55-6    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| 1,1,2,2-Tetrachloroethane   | 79-34-5    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| 1,1,2-Trichloroethane       | 79-00-5    | 1                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| 1,1-Dichloroethane          | 75-34-3    | 5                     | 5 U        | 10 U       | 200 U           | <b>5.7</b> | <b>6.4</b> | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| 1,1-Dichloroethene          | 75-35-4    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| 1,2-Dichloroethane          | 107-06-2   | 0.6                   | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| 1,2-Dichloropropane         | 78-87-5    | 1                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| 2-Hexanone                  | 591-78-6   | 50                    | 10 U       | 20 U       | 400 UF1         | 10 U       | 10 U       | 10 U      | 10 U       | 10 U     | 10 U     | 10 U       |
| Acetone                     | 67-64-1    | 50                    | 10 U       | 20 U       | 400 U           | 10 U       | 10 U       | 10 U      | 10 U       | 10 U     | 10 U     | 10 U       |
| Benzene                     | 71-43-2    | 1                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Bromodichloromethane        | 75-27-4    | 50                    | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Bromoform                   | 75-25-2    | 50                    | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Bromomethane                | 74-83-9    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Carbon Disulfide            | 75-15-0    | 60                    | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Carbon Tetrachloride        | 56-23-5    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Chlorobenzene               | 108-90-7   | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Chloroethane                | 75-00-3    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Chloroform                  | 67-66-3    | 7                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Chloromethane               | 74-87-3    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| cis-1,2-Dichloroethene      | 156-59-2   | 5                     | 5 U        | <b>110</b> | <b>19000 F1</b> | <b>80</b>  | <b>93</b>  | <b>59</b> | <b>120</b> | 5 U      | 5 U      | 5 U        |
| cis-1,3-Dichloropropene     | 10061-01-5 | 0.4                   | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Dibromochloromethane        | 124-48-1   | 50                    | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Dichlorodifluoromethane     | 75-71-8    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Ethylbenzene                | 100-41-4   | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| 2-Butanone (MEK)            | 78-93-3    | 50                    | 10 U       | 20 U       | 400 U           | 10 U       | 10 U       | 10 U      | 10 U       | 10 U     | 10 U     | 10 U       |
| 4-Methyl-2-Pentanone (MIBK) | 108-10-1   | 5                     | 10 U       | 20 U       | 400 U           | 10 U       | 10 U       | 10 U      | 10 U       | 10 U     | 10 U     | 10 U       |
| Methylene Chloride          | 75-09-2    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Styrene                     | 100-42-5   | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Tetrachloroethene           | 127-18-4   | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Toluene                     | 108-88-3   | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| trans-1,2-Dichloroethene    | 156-60-5   | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| trans-1,3-Dichloropropene   | 10061-02-6 | 0.4                   | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Trichloroethene             | 79-01-6    | 5                     | <b>6.6</b> | <b>700</b> | 200 U           | 5 U        | 5 U        | <b>43</b> | 5 U        | 5 U      | 5 U      | 5 U        |
| Trichlorofluoromethane      | 75-69-4    | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Vinyl chloride              | 75-01-4    | 2                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |
| Total Xylenes               | 1330-20-7  | 5                     | 5 U        | 10 U       | 200 U           | 5 U        | 5 U        | 5 U       | 5 U        | 5 U      | 5 U      | 5 U        |

NOTES:

Bolded results were greater than the NYSDEC Class GA Standards  
 All values are shown in units of micrograms per liter (ug/L).

U = Not detected. Reporting limit shown.

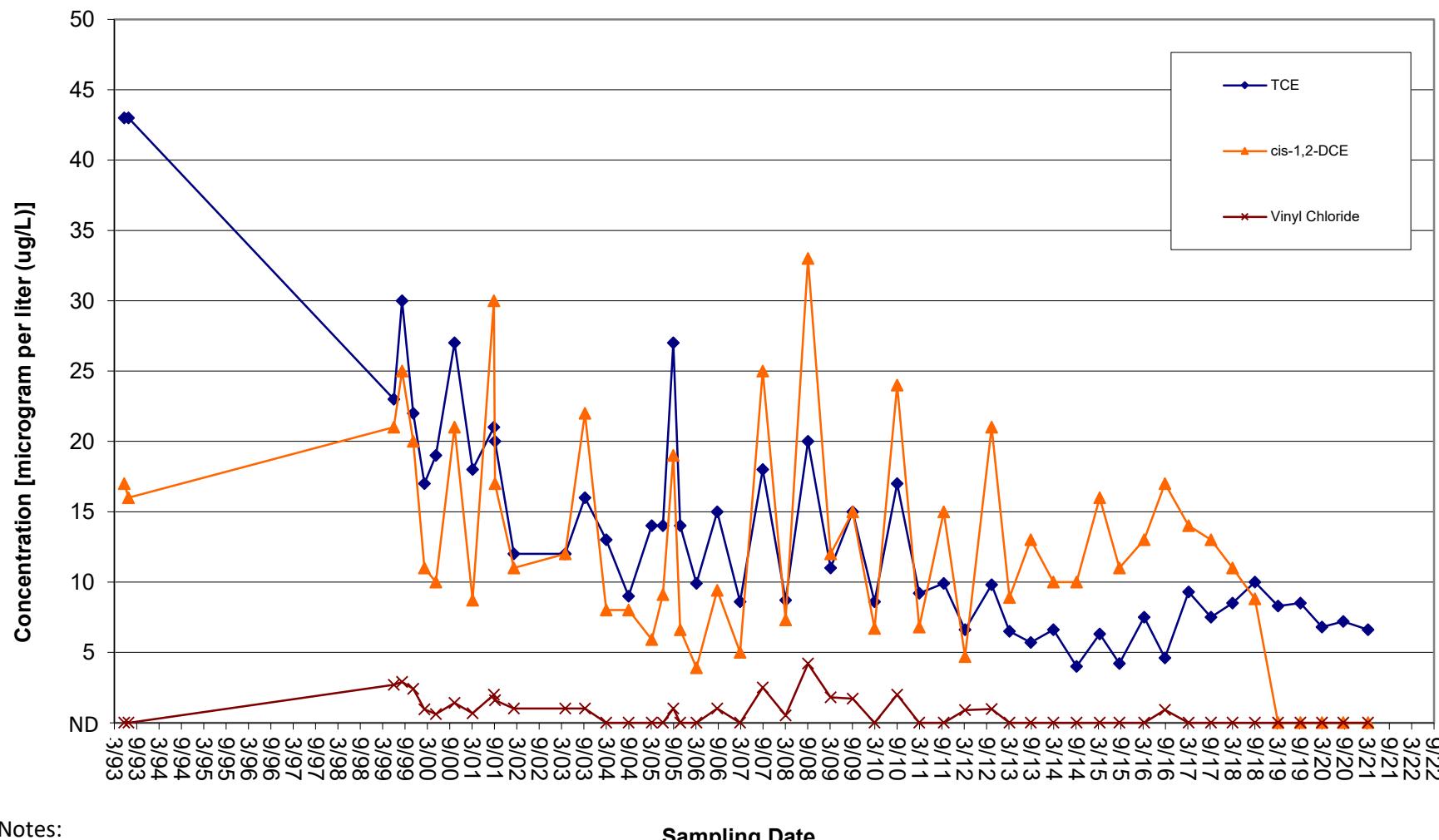
F1 = MS and/or MSD recovery exceeds control limits

## ATTACHMENT D

### Groundwater VOC Concentration Graphs



## MW-22



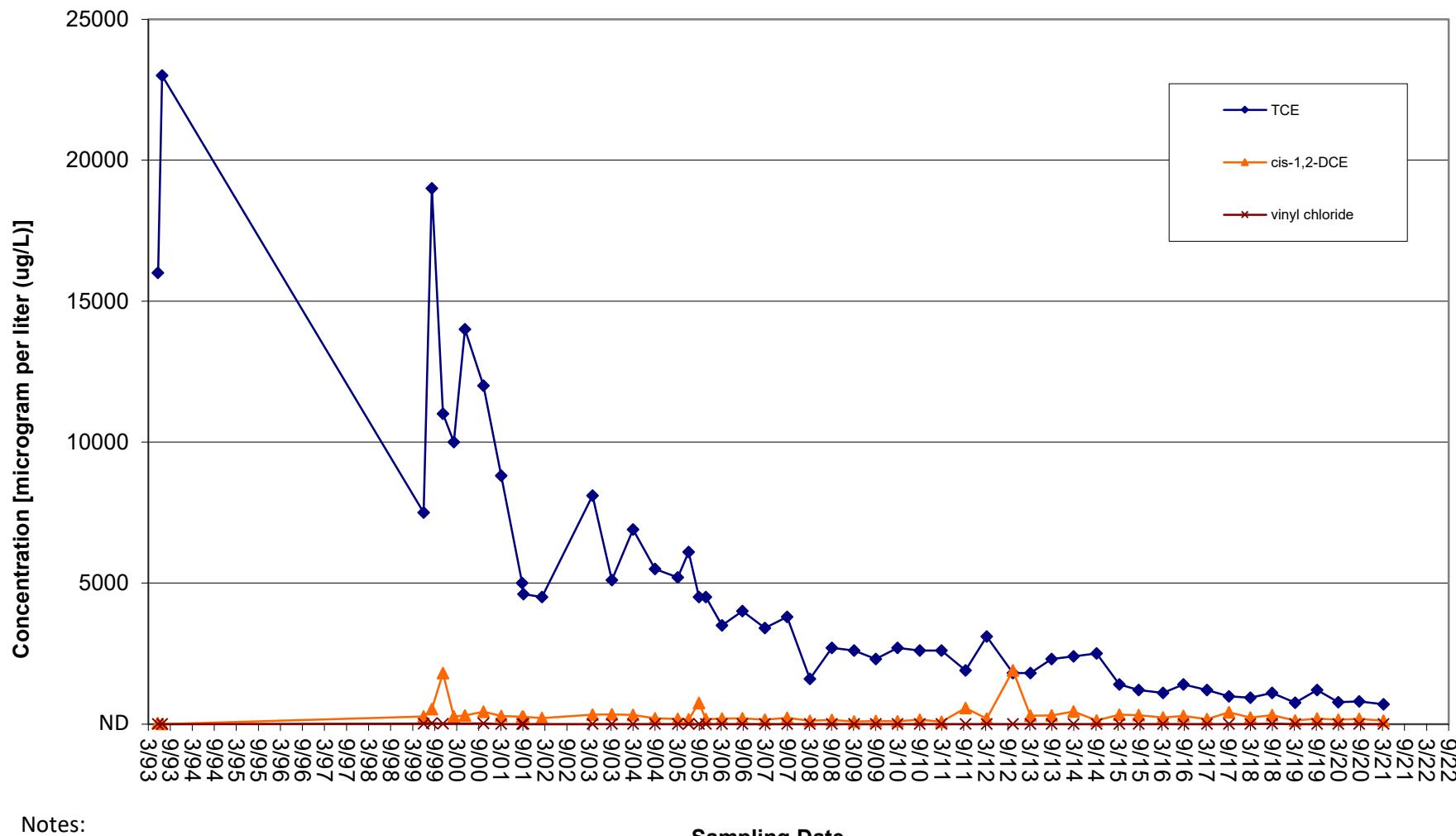
Notes:

ND - Not detected.

Reporting limit is 5 ug/L.

Results less than the reporting limit are estimated.

## MW-23



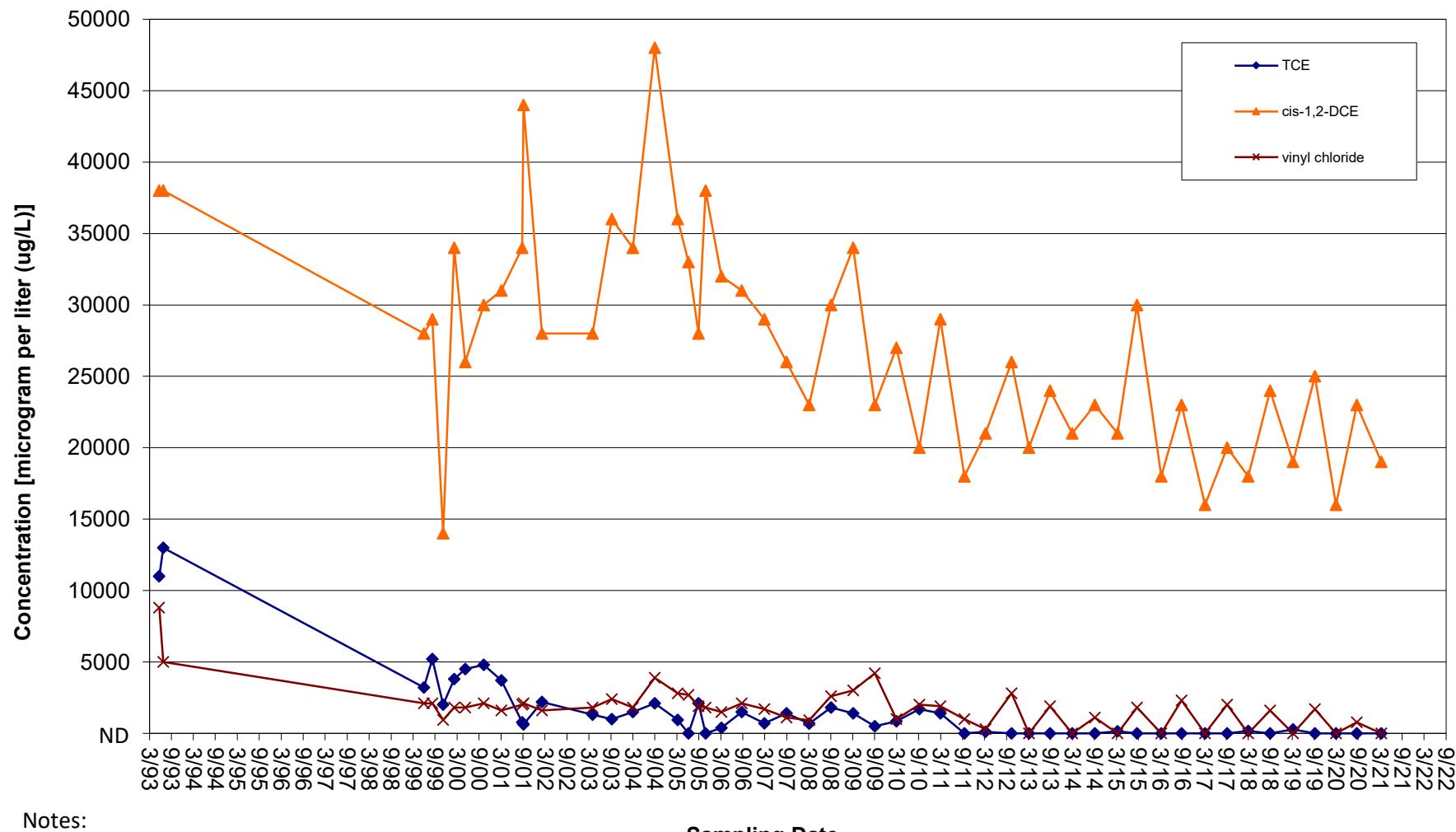
Notes:

ND - Not detected.

Reporting limit is 5 ug/L.

Results less than the reporting limit are estimated.

## MW-24



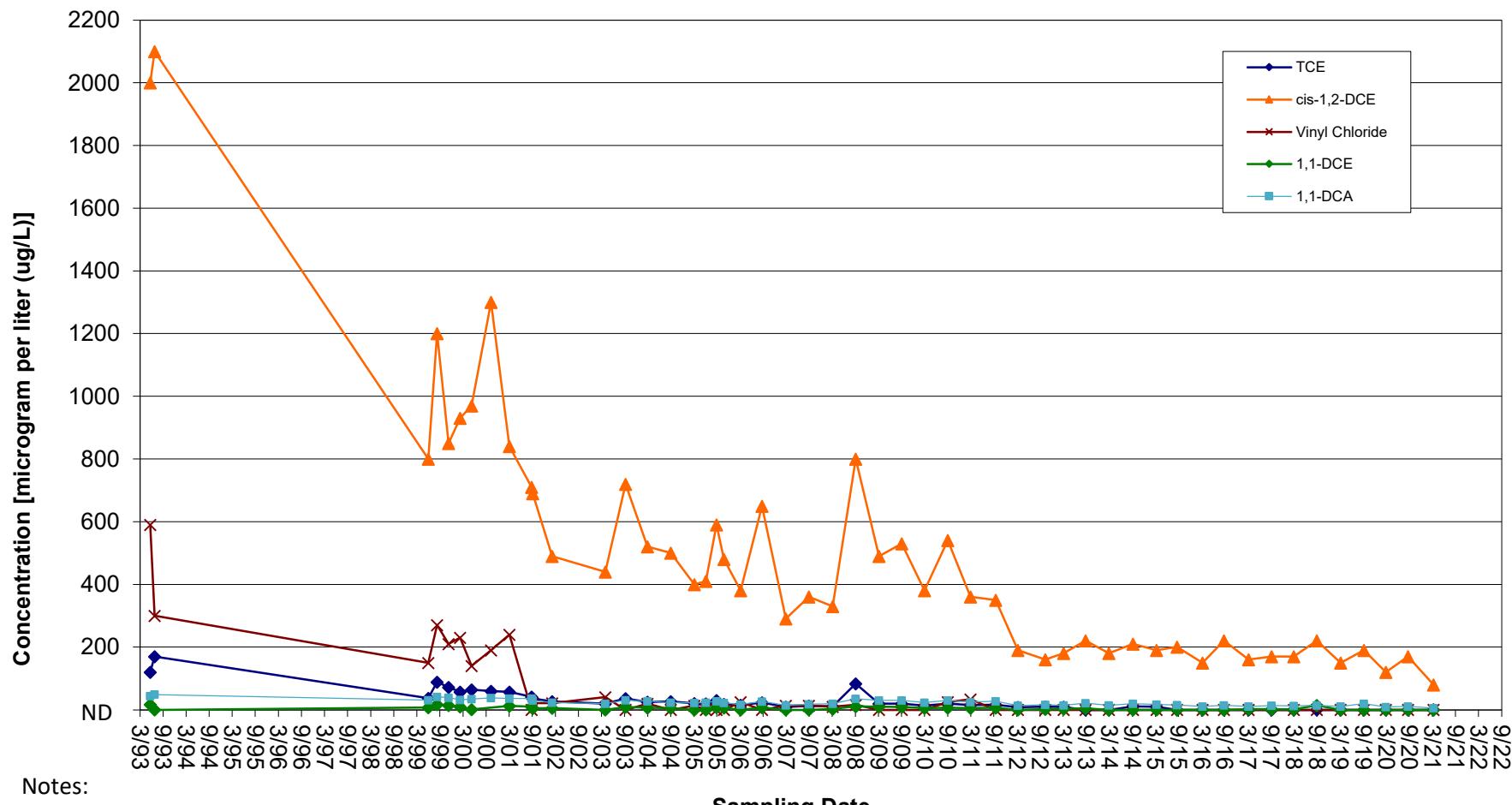
Notes:

ND - Not detected.

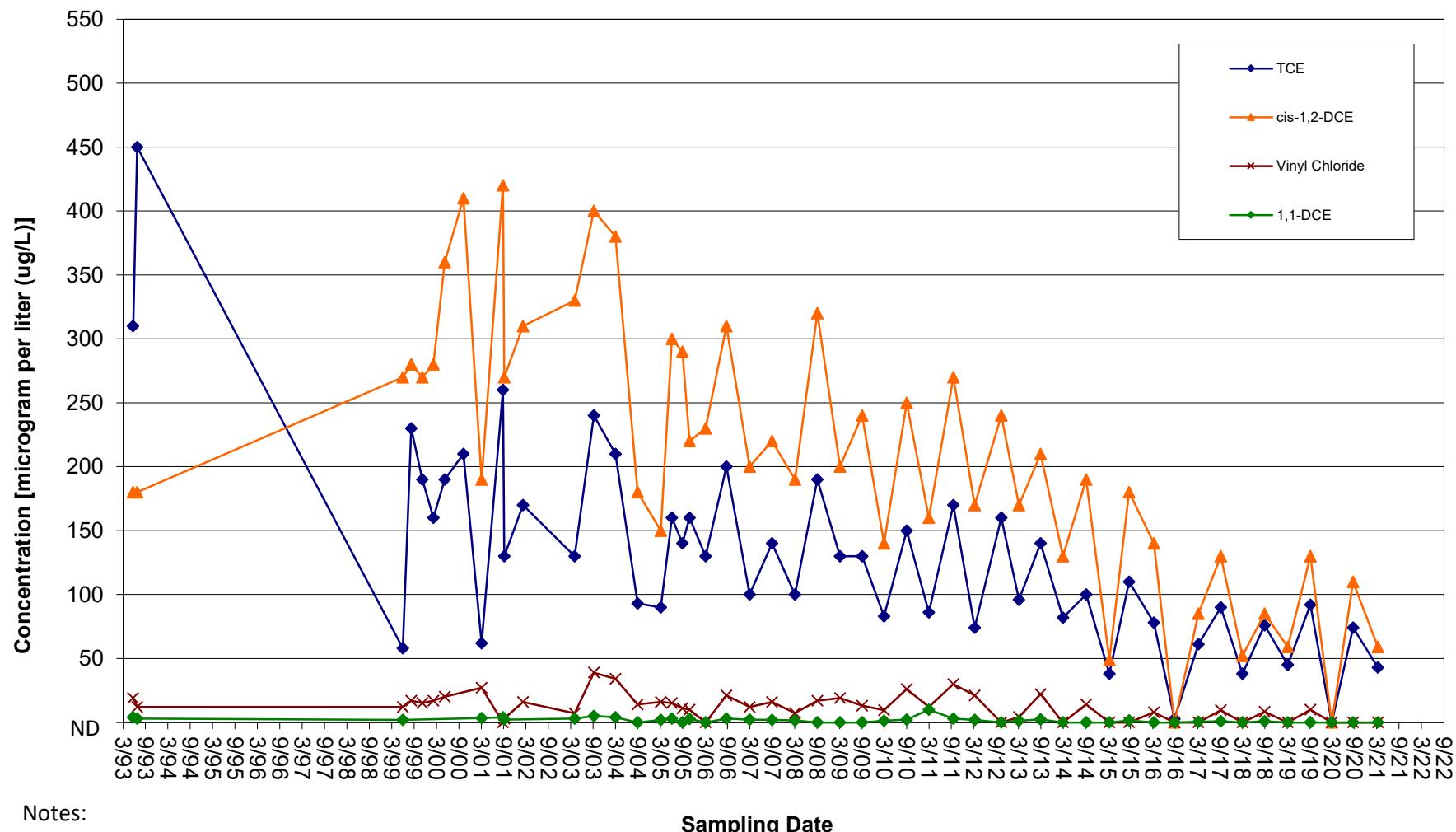
Reporting limit is 5 ug/L.

Results less than the reporting limit are estimated.

## MW-25



## MW-26



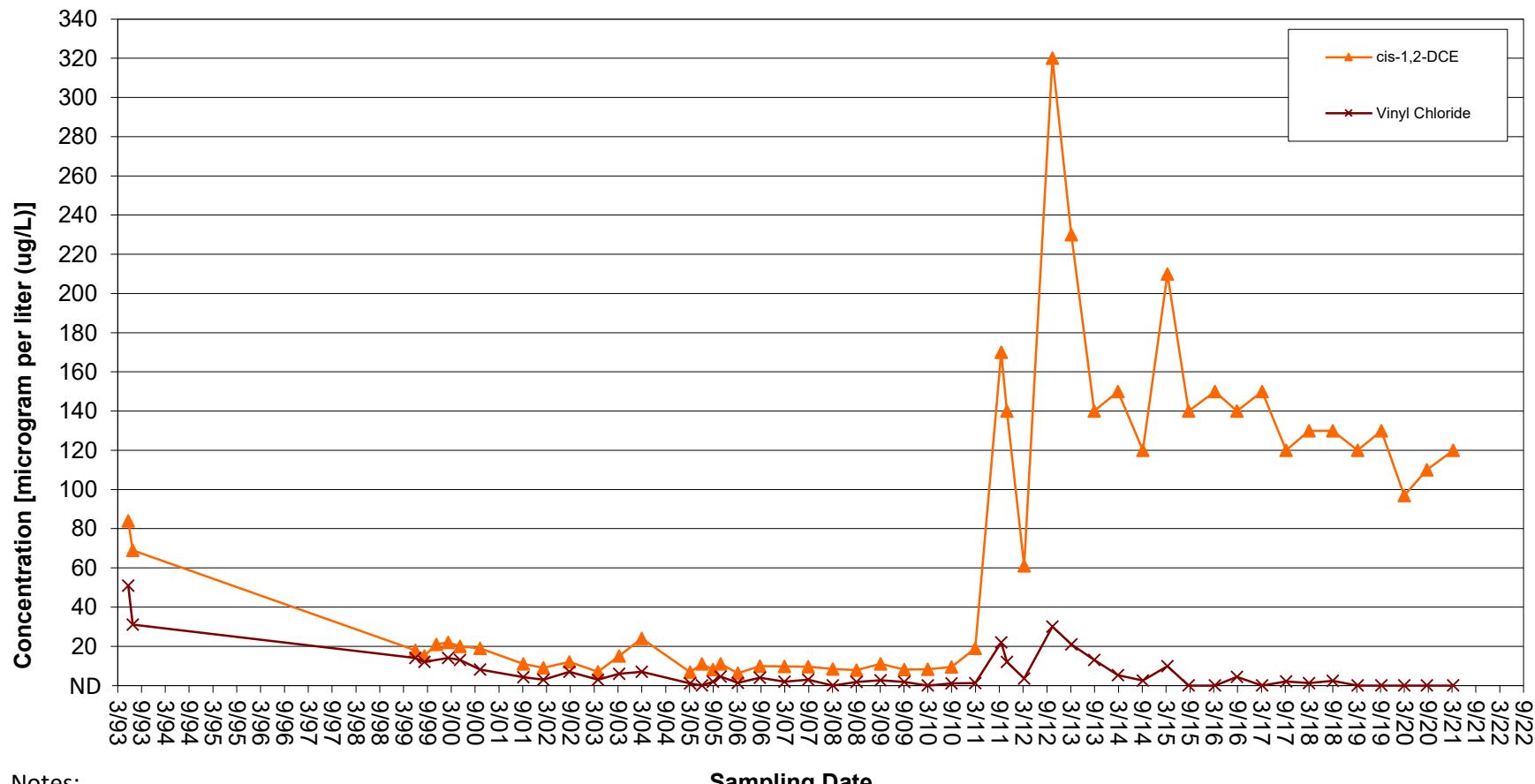
Notes:

ND - Not detected.

Reporting limit is 5 ug/L.

Results less than the reporting limit are estimated.

## MW-29



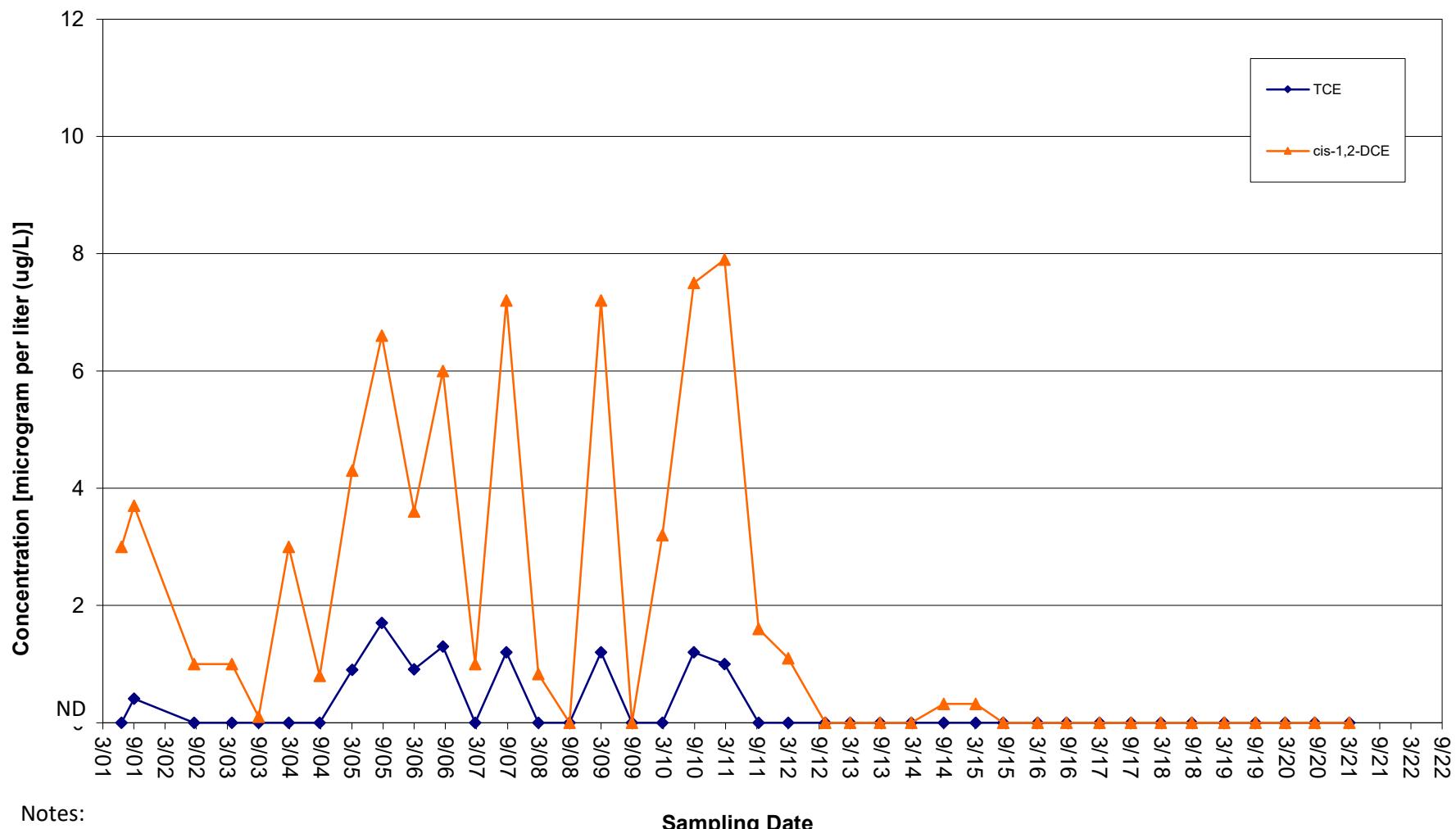
Notes:

ND - Not detected.

Reporting limit is 5 ug/L.

Results less than the reporting limit are estimated.

## MW-BR-05



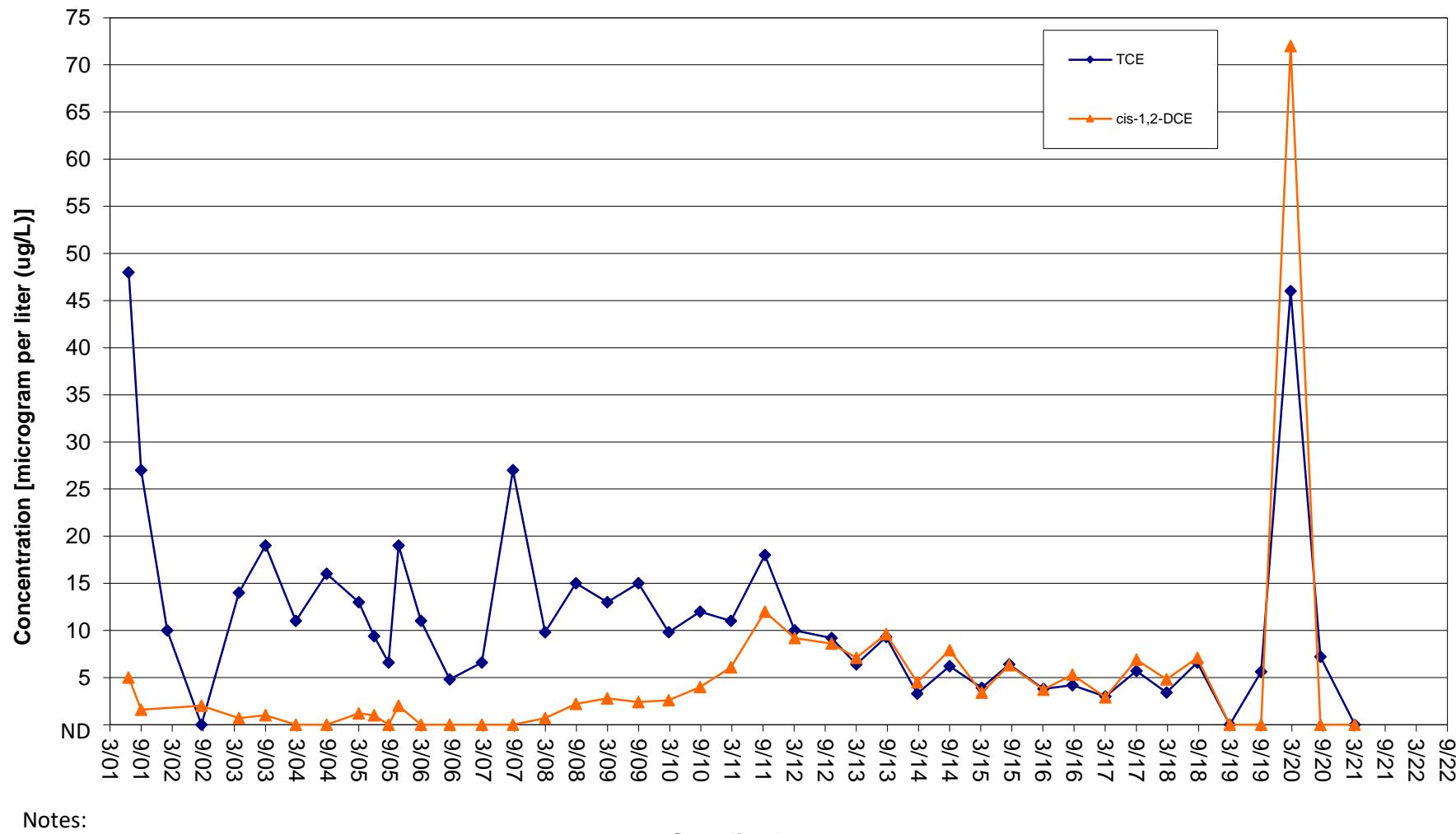
Notes:

ND - Not detected.

Reporting limit is 5 ug/L.

Results less than the reporting limit are estimated.

## MW-BR-06



Notes:

ND - Not detected.

Reporting limit is 5 ug/L.

Results less than the reporting limit are estimated.

# ATTACHMENT E

## Data Validation Report



# Data Validation Services

120 Cobble Creek Road P. O. Box 208  
North Creek, NY 12853  
Phone (518) 251-4429  
[harry@frontiernet.net](mailto:harry@frontiernet.net)

May 13, 2021

Mark Flusche  
ARCADIS US, Inc.  
855 Route 146 Suite 210  
Clifton Park, NY 12065

RE: Validation of the Former Philips Display Components Facility--Seneca Falls Site Data  
Package-Groundwater  
Eurofins TAL-Buffalo SDG No. 480-182633-1

Dear Mr. Flusche:

Review has been completed for the data package generated by Eurofins TestAmerica Laboratories that pertains to samples collected 03/29/21 at Seneca Falls, NY. Eight aqueous samples, a field duplicate, and a trip blank were analyzed for volatiles by USEPA SW846 method 8260C.

Data validation was performed with guidance from the USEPA Region II validation SOP HW-6, the USEPA CLP National Functional Guidelines for Organic Data Review, and the specific requirements of the analytical methodologies. The data packages were reviewed for the following items:

- \* Data Completeness
- \* Case Narrative
- \* Custody Documentation
- \* Holding Times
- \* Surrogate Standard Recoveries
- \* Matrix Spike Evaluations
- \* Blind Field Duplicate Correlations
- \* Blank Contamination
- \* Laboratory Control Samples (LCSs)
- \* Calibration Standard Responses
- \* Internal Standard Responses
- \* Method Compliance
- \* Sample Results Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results of validated sample analytes are substantiated by the raw data, and generated in compliance with project requirements.

**In summary**, samples were processed in compliance with stated protocols. Sample results are usable as reported.

The sample identifications and laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also included are laboratory results forms.

### **VOA Analyses by EPA 8260C**

Results for analytes initially reported with the “E” flag are derived from the dilution analyses of the samples, thus reflecting responses within the linear range of the instrument.

Matrix spikes (MSs) of MW-24 show recoveries and correlations for the eleven evaluated analytes that are within validation guidelines.

The blind field duplicate correlations of MW-25 are acceptable.

Surrogate and internal standard responses are within required range, and holding times were met. Blanks show no contamination. LCS recoveries show compliant recoveries. Calibration standards show acceptable responses.

Some of the samples were processed only at initial dilution due to high concentrations of target analytes. Reporting limits for undetected analytes in those samples are therefore proportionally elevated.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

*Judy Harry*

Judy Harry

Att:    Sample Identifications  
          Laboratory Case Narrative  
          Sample Results Forms

# Sample Summary

Client: ARCADIS U.S. Inc  
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-182633-1  | MW-23            | Water  | 03/29/21 09:50 | 03/30/21 10:30 |          |
| 480-182633-2  | MW-24            | Water  | 03/29/21 10:05 | 03/30/21 10:30 |          |
| 480-182633-3  | MW-26            | Water  | 03/29/21 10:25 | 03/30/21 10:30 |          |
| 480-182633-4  | MW-BR-06         | Water  | 03/29/21 10:40 | 03/30/21 10:30 |          |
| 480-182633-5  | MW-29            | Water  | 03/29/21 12:00 | 03/30/21 10:30 |          |
| 480-182633-6  | MW-25            | Water  | 03/29/21 12:20 | 03/30/21 10:30 |          |
| 480-182633-7  | MW-22            | Water  | 03/29/21 12:30 | 03/30/21 10:30 |          |
| 480-182633-8  | MW-BR-05         | Water  | 03/29/21 13:50 | 03/30/21 10:30 |          |
| 480-182633-9  | TRIP BLANK       | Water  | 03/29/21 00:00 | 03/30/21 10:30 |          |
| 480-182633-10 | DUP-032921       | Water  | 03/29/21 00:00 | 03/30/21 10:30 |          |

## Laboratory Case Narrative

**Job Narrative  
480-182633-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 3/30/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5° C.

**GC/MS VOA**

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-23 (480-182633-1), MW-24 (480-182633-2), MW-24 MS (480-182633-2[MS]), MW-24 MSD (480-182633-2[MSD]) and MW-29 (480-182633-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The method requirement for no headspace was not met. The following volatile sample was analyzed with significant headspace in the sample container: TRIP BLANK (480-182633-9). Significant headspace is defined as a bubble greater than 6 mm in diameter.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-24 (480-182633-2), MW-24 MS (480-182633-2[MS]) and MW-24 MSD (480-182633-2[MSD]). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-574662 recovered outside acceptance criteria, low biased, for Carbon disulfide. 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 associated sample is impacted: MW-24 (480-182633-2).

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

## Sample Results Forms

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

**Client Sample ID: MW-23**

**Date Collected: 03/29/21 09:50**

**Date Received: 03/30/21 10:30**

**Lab Sample ID: 480-182633-1**

**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           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| 1,1,2,2-Tetrachloroethane     | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| 1,1,2-Trichloroethane         | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| 1,1-Dichloroethane            | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| 1,1-Dichloroethene            | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| 1,2-Dichloroethane            | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| 1,2-Dichloropropane           | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| 2-Hexanone                    | ND           |           | 20 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Acetone                       | ND           |           | 20 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Benzene                       | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Bromodichloromethane          | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Bromoform                     | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Bromomethane                  | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Carbon disulfide              | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Carbon tetrachloride          | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Chlorobenzene                 | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Chloroethane                  | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Chloroform                    | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Chloromethane                 | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| <b>cis-1,2-Dichloroethene</b> | <b>110</b>   |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| cis-1,3-Dichloropropene       | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Dibromochloromethane          | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Dichlorodifluoromethane       | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Ethylbenzene                  | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Methyl ethyl ketone (MEK)     | ND           |           | 20 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Methyl isobutyl ketone (MIBK) | ND           |           | 20 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Methylene Chloride            | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Styrene                       | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Tetrachloroethene             | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Toluene                       | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| trans-1,2-Dichloroethene      | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| trans-1,3-Dichloropropene     | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| <b>Trichloroethene</b>        | <b>690 E</b> |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Trichlorofluoromethane        | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Vinyl acetate                 | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Vinyl chloride                | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |
| Xylenes, Total                | ND           |           | 10 |     | ug/L |   |          | 03/31/21 17:48 | 2       |

| Surrogate                         | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surrogate) | 108       |           | 77 - 120 |          | 03/31/21 17:48 | 2       |
| 4-Bromofluorobenzene (Surrogate)  | 105       |           | 73 - 120 |          | 03/31/21 17:48 | 2       |
| Toluene-d8 (Surrogate)            | 105       |           | 80 - 120 |          | 03/31/21 17:48 | 2       |
| Dibromofluoromethane (Surrogate)  | 104       |           | 75 - 123 |          | 03/31/21 17:48 | 2       |

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane     | ND     |           | 100 |     | ug/L |   |          | 03/31/21 12:36 | 20      |
| 1,1,2,2-Tetrachloroethane | ND     |           | 100 |     | ug/L |   |          | 03/31/21 12:36 | 20      |
| 1,1,2-Trichloroethane     | ND     |           | 100 |     | ug/L |   |          | 03/31/21 12:36 | 20      |
| 1,1-Dichloroethane        | ND     |           | 100 |     | ug/L |   |          | 03/31/21 12:36 | 20      |

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# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

**Client Sample ID: MW-23**  
**Date Collected: 03/29/21 09:50**  
**Date Received: 03/30/21 10:30**

**Lab Sample ID: 480-182633-1**  
**Matrix: Water**

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

| Analyte                       | Result           | Qualifier        | RL            | MDL | Unit | D               | Prepared        | Analyzed       | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|------|-----------------|-----------------|----------------|---------|
| 1,1-Dichloroethene            | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| 1,2-Dichloroethane            | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| 1,2-Dichloropropane           | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| 2-Hexanone                    | ND               |                  | 200           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Acetone                       | ND               |                  | 200           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Benzene                       | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Bromodichloromethane          | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Bromoform                     | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Bromomethane                  | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Carbon disulfide              | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Carbon tetrachloride          | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Chlorobenzene                 | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Chloroethane                  | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Chloroform                    | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Chloromethane                 | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| <b>cis-1,2-Dichloroethene</b> | <b>110</b>       |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| cis-1,3-Dichloropropene       | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Dibromochloromethane          | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Dichlorodifluoromethane       | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Ethylbenzene                  | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Methyl ethyl ketone (MEK)     | ND               |                  | 200           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Methyl isobutyl ketone (MIBK) | ND               |                  | 200           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Methylene Chloride            | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Styrene                       | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Tetrachloroethene             | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Toluene                       | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| trans-1,2-Dichloroethene      | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| trans-1,3-Dichloropropene     | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| <b>Trichloroethene</b>        | <b>700</b>       |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Trichlorofluoromethane        | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Vinyl acetate                 | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Vinyl chloride                | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| Xylenes, Total                | ND               |                  | 100           |     | ug/L |                 |                 | 03/31/21 12:36 | 20      |
| <b>Surrogate</b>              | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |         |
| 1,2-Dichloroethane-d4 (Surr)  | 106              |                  | 77 - 120      |     |      |                 |                 |                | 20      |
| 4-Bromofluorobenzene (Surr)   | 103              |                  | 73 - 120      |     |      |                 |                 |                | 20      |
| Toluene-d8 (Surr)             | 107              |                  | 80 - 120      |     |      |                 |                 |                | 20      |
| Dibromofluoromethane (Surr)   | 98               |                  | 75 - 123      |     |      |                 |                 |                | 20      |

**Client Sample ID: MW-24**  
**Date Collected: 03/29/21 10:05**  
**Date Received: 03/30/21 10:30**

**Lab Sample ID: 480-182633-2**  
**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     |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| 1,1,2,2-Tetrachloroethane | ND     |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| 1,1,2-Trichloroethane     | ND     |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| 1,1-Dichloroethane        | ND     |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |

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# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

**Client Sample ID: MW-24**

**Date Collected: 03/29/21 10:05**

**Date Received: 03/30/21 10:30**

**Lab Sample ID: 480-182633-2**

**Matrix: Water**

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

| Analyte                       | Result       | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1-Dichloroethene            | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| 1,2-Dichloroethane            | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| 1,2-Dichloropropane           | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| 2-Hexanone                    | ND           | F1        | 400 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Acetone                       | ND           |           | 400 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Benzene                       | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Bromodichloromethane          | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Bromoform                     | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Bromomethane                  | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Carbon disulfide              | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Carbon tetrachloride          | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Chlorobenzene                 | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Chloroethane                  | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Chloroform                    | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Chloromethane                 | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| <b>cis-1,2-Dichloroethene</b> | <b>21000</b> | <b>E</b>  | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| cis-1,3-Dichloropropene       | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Dibromochloromethane          | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Dichlorodifluoromethane       | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Ethylbenzene                  | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Methyl ethyl ketone (MEK)     | ND           |           | 400 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Methyl isobutyl ketone (MIBK) | ND           |           | 400 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Methylene Chloride            | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Styrene                       | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Tetrachloroethene             | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Toluene                       | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| trans-1,2-Dichloroethene      | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| trans-1,3-Dichloropropene     | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Trichloroethene               | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Trichlorofluoromethane        | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Vinyl acetate                 | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Vinyl chloride                | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |
| Xylenes, Total                | ND           |           | 200 |     | ug/L |   |          | 03/31/21 18:12 | 40      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 77 - 120 |          | 03/31/21 18:12 | 40      |
| 4-Bromofluorobenzene (Surr)  | 107       |           | 73 - 120 |          | 03/31/21 18:12 | 40      |
| Toluene-d8 (Surr)            | 105       |           | 80 - 120 |          | 03/31/21 18:12 | 40      |
| Dibromofluoromethane (Surr)  | 103       |           | 75 - 123 |          | 03/31/21 18:12 | 40      |

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

| Analyte                   | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane     | ND     |           | 2000 |     | ug/L |   |          | 04/01/21 19:04 | 400     |
| 1,1,2,2-Tetrachloroethane | ND     |           | 2000 |     | ug/L |   |          | 04/01/21 19:04 | 400     |
| 1,1,2-Trichloroethane     | ND     |           | 2000 |     | ug/L |   |          | 04/01/21 19:04 | 400     |
| 1,1-Dichloroethane        | ND     |           | 2000 |     | ug/L |   |          | 04/01/21 19:04 | 400     |
| 1,1-Dichloroethene        | ND     |           | 2000 |     | ug/L |   |          | 04/01/21 19:04 | 400     |
| 1,2-Dichloroethane        | ND     |           | 2000 |     | ug/L |   |          | 04/01/21 19:04 | 400     |
| 1,2-Dichloropropane       | ND     |           | 2000 |     | ug/L |   |          | 04/01/21 19:04 | 400     |
| 2-Hexanone                | ND     |           | 4000 |     | ug/L |   |          | 04/01/21 19:04 | 400     |

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# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

## Client Sample ID: MW-24

Date Collected: 03/29/21 10:05  
 Date Received: 03/30/21 10:30

Lab Sample ID: 480-182633-2  
 Matrix: Water

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

| Analyte                           | Result           | Qualifier        | RL            | MDL | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Acetone                           | ND               |                  | 4000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Benzene                           | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Bromodichloromethane              | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Bromoform                         | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Bromomethane                      | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Carbon disulfide                  | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Carbon tetrachloride              | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Chlorobenzene                     | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Chloroethane                      | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Chloroform                        | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Chloromethane                     | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| <b>cis-1,2-Dichloroethene</b>     | <b>19000</b>     | <b>F1</b>        | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| cis-1,3-Dichloropropene           | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Dibromochloromethane              | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Dichlorodifluoromethane           | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Ethylbenzene                      | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Methyl ethyl ketone (MEK)         | ND               |                  | 4000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Methyl isobutyl ketone (MIBK)     | ND               |                  | 4000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Methylene Chloride                | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Styrene                           | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Tetrachloroethene                 | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Toluene                           | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| trans-1,2-Dichloroethene          | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| trans-1,3-Dichloropropene         | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Trichloroethene                   | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Trichlorofluoromethane            | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Vinyl acetate                     | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Vinyl chloride                    | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| Xylenes, Total                    | ND               |                  | 2000          |     | ug/L |   |                 | 04/01/21 19:04  | 400            |
| <b>Surrogate</b>                  | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1,2-Dichloroethane-d4 (Surrogate) | 108              |                  | 77 - 120      |     |      |   |                 | 04/01/21 19:04  | 400            |
| 4-Bromofluorobenzene (Surrogate)  | 106              |                  | 73 - 120      |     |      |   |                 | 04/01/21 19:04  | 400            |
| Toluene-d8 (Surrogate)            | 106              |                  | 80 - 120      |     |      |   |                 | 04/01/21 19:04  | 400            |
| Dibromofluoromethane (Surrogate)  | 103              |                  | 75 - 123      |     |      |   |                 | 04/01/21 19:04  | 400            |

## Client Sample ID: MW-26

Date Collected: 03/29/21 10:25  
 Date Received: 03/30/21 10:30

Lab Sample ID: 480-182633-3  
 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     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:24 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:24 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:24 | 1       |
| 1,1-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:24 | 1       |
| 1,1-Dichloroethene        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:24 | 1       |
| 1,2-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:24 | 1       |
| 1,2-Dichloropropane       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:24 | 1       |
| 2-Hexanone                | ND     |           | 10  |     | ug/L |   |          | 03/31/21 13:24 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

## Client Sample ID: MW-26

Date Collected: 03/29/21 10:25  
 Date Received: 03/30/21 10:30

## Lab Sample ID: 480-182633-3

Matrix: Water

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

| Analyte                           | Result           | Qualifier        | RL            | MDL | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Acetone                           | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Benzene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Bromodichloromethane              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Bromoform                         | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Bromomethane                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Carbon disulfide                  | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Carbon tetrachloride              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Chlorobenzene                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Chloroethane                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Chloroform                        | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Chloromethane                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| <b>cis-1,2-Dichloroethene</b>     | <b>59</b>        |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| cis-1,3-Dichloropropene           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Dibromochloromethane              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Dichlorodifluoromethane           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Ethylbenzene                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Methyl ethyl ketone (MEK)         | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Methyl isobutyl ketone (MIBK)     | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Methylene Chloride                | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Styrene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Tetrachloroethene                 | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Toluene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| trans-1,2-Dichloroethene          | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| trans-1,3-Dichloropropene         | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| <b>Trichloroethene</b>            | <b>43</b>        |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Trichlorofluoromethane            | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Vinyl acetate                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Vinyl chloride                    | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| Xylenes, Total                    | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:24  | 1              |
| <b>Surrogate</b>                  | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1,2-Dichloroethane-d4 (Surrogate) | 105              |                  | 77 - 120      |     |      |   |                 | 03/31/21 13:24  | 1              |
| 4-Bromofluorobenzene (Surrogate)  | 105              |                  | 73 - 120      |     |      |   |                 | 03/31/21 13:24  | 1              |
| Toluene-d8 (Surrogate)            | 106              |                  | 80 - 120      |     |      |   |                 | 03/31/21 13:24  | 1              |
| Dibromofluoromethane (Surrogate)  | 105              |                  | 75 - 123      |     |      |   |                 | 03/31/21 13:24  | 1              |

## Client Sample ID: MW-BR-06

Date Collected: 03/29/21 10:40  
 Date Received: 03/30/21 10:30

## Lab Sample ID: 480-182633-4

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     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:48 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:48 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:48 | 1       |
| 1,1-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:48 | 1       |
| 1,1-Dichloroethene        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:48 | 1       |
| 1,2-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:48 | 1       |
| 1,2-Dichloropropane       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 13:48 | 1       |
| 2-Hexanone                | ND     |           | 10  |     | ug/L |   |          | 03/31/21 13:48 | 1       |

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

## Client Sample ID: MW-BR-06

Date Collected: 03/29/21 10:40  
 Date Received: 03/30/21 10:30

## Lab Sample ID: 480-182633-4

Matrix: Water

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

| Analyte                           | Result           | Qualifier        | RL            | MDL | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Acetone                           | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Benzene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Bromodichloromethane              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Bromoform                         | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Bromomethane                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Carbon disulfide                  | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Carbon tetrachloride              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Chlorobenzene                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Chloroethane                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Chloroform                        | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Chloromethane                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| cis-1,2-Dichloroethene            | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| cis-1,3-Dichloropropene           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Dibromochloromethane              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Dichlorodifluoromethane           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Ethylbenzene                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Methyl ethyl ketone (MEK)         | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Methyl isobutyl ketone (MIBK)     | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Methylene Chloride                | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Styrene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Tetrachloroethene                 | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Toluene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| trans-1,2-Dichloroethene          | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| trans-1,3-Dichloropropene         | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Trichloroethene                   | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Trichlorofluoromethane            | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Vinyl acetate                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Vinyl chloride                    | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| Xylenes, Total                    | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 13:48  | 1              |
| <b>Surrogate</b>                  | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1,2-Dichloroethane-d4 (Surrogate) | 106              |                  | 77 - 120      |     |      |   |                 | 03/31/21 13:48  | 1              |
| 4-Bromofluorobenzene (Surrogate)  | 108              |                  | 73 - 120      |     |      |   |                 | 03/31/21 13:48  | 1              |
| Toluene-d8 (Surrogate)            | 105              |                  | 80 - 120      |     |      |   |                 | 03/31/21 13:48  | 1              |
| Dibromofluoromethane (Surrogate)  | 105              |                  | 75 - 123      |     |      |   |                 | 03/31/21 13:48  | 1              |

## Client Sample ID: MW-29

Date Collected: 03/29/21 12:00  
 Date Received: 03/30/21 10:30

## Lab Sample ID: 480-182633-5

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     |           | 5.0 |     | ug/L |   |          | 03/31/21 18:36 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 18:36 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 18:36 | 1       |
| 1,1-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 18:36 | 1       |
| 1,1-Dichloroethene        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 18:36 | 1       |
| 1,2-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 18:36 | 1       |
| 1,2-Dichloropropane       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 18:36 | 1       |
| 2-Hexanone                | ND     |           | 10  |     | ug/L |   |          | 03/31/21 18:36 | 1       |

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

**Client Sample ID: MW-29**

Date Collected: 03/29/21 12:00

Date Received: 03/30/21 10:30

**Lab Sample ID: 480-182633-5**

Matrix: Water

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

| Analyte                           | Result           | Qualifier        | RL            | MDL | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Acetone                           | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Benzene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Bromodichloromethane              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Bromoform                         | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Bromomethane                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Carbon disulfide                  | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Carbon tetrachloride              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Chlorobenzene                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Chloroethane                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Chloroform                        | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Chloromethane                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| <b>cis-1,2-Dichloroethene</b>     | <b>100</b>       | <b>E</b>         | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| cis-1,3-Dichloropropene           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Dibromochloromethane              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Dichlorodifluoromethane           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Ethylbenzene                      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Methyl ethyl ketone (MEK)         | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Methyl isobutyl ketone (MIBK)     | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Methylene Chloride                | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Styrene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Tetrachloroethene                 | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Toluene                           | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| trans-1,2-Dichloroethene          | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| trans-1,3-Dichloropropene         | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Trichloroethene                   | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Trichlorofluoromethane            | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Vinyl acetate                     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Vinyl chloride                    | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| Xylenes, Total                    | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 18:36  | 1              |
| <b>Surrogate</b>                  | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1,2-Dichloroethane-d4 (Surrogate) | 104              |                  | 77 - 120      |     |      |   |                 | 03/31/21 18:36  | 1              |
| 4-Bromofluorobenzene (Surrogate)  | 106              |                  | 73 - 120      |     |      |   |                 | 03/31/21 18:36  | 1              |
| Toluene-d8 (Surrogate)            | 108              |                  | 80 - 120      |     |      |   |                 | 03/31/21 18:36  | 1              |
| Dibromofluoromethane (Surrogate)  | 103              |                  | 75 - 123      |     |      |   |                 | 03/31/21 18:36  | 1              |

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

| Analyte                   | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane     | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| 1,1,2-Trichloroethane     | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| 1,1-Dichloroethane        | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| 1,1-Dichloroethene        | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| 1,2-Dichloroethane        | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| 1,2-Dichloropropane       | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| 2-Hexanone                | ND     |           | 20 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| Acetone                   | ND     |           | 20 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| Benzene                   | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| Bromodichloromethane      | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |
| Bromoform                 | ND     |           | 10 |     | ug/L |   |          | 03/31/21 14:12 | 2       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

**Client Sample ID: MW-29**

Date Collected: 03/29/21 12:00

Date Received: 03/30/21 10:30

**Lab Sample ID: 480-182633-5**

Matrix: Water

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

| Analyte                       | Result           | Qualifier        | RL            | MDL | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|-------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Bromomethane                  | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Carbon disulfide              | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Carbon tetrachloride          | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Chlorobenzene                 | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Chloroethane                  | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Chloroform                    | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Chloromethane                 | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| <b>cis-1,2-Dichloroethene</b> | <b>120</b>       |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| cis-1,3-Dichloropropene       | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Dibromochloromethane          | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Dichlorodifluoromethane       | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Ethylbenzene                  | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Methyl ethyl ketone (MEK)     | ND               |                  | 20            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Methyl isobutyl ketone (MIBK) | ND               |                  | 20            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Methylene Chloride            | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Styrene                       | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Tetrachloroethene             | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Toluene                       | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| trans-1,2-Dichloroethene      | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| trans-1,3-Dichloropropene     | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Trichloroethene               | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Trichlorofluoromethane        | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Vinyl acetate                 | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Vinyl chloride                | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| Xylenes, Total                | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 14:12  | 2              |
| <b>Surrogate</b>              | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1,2-Dichloroethane-d4 (Surr)  | 105              |                  | 77 - 120      |     |      |   |                 | 03/31/21 14:12  | 2              |
| 4-Bromofluorobenzene (Surr)   | 105              |                  | 73 - 120      |     |      |   |                 | 03/31/21 14:12  | 2              |
| Toluene-d8 (Surr)             | 106              |                  | 80 - 120      |     |      |   |                 | 03/31/21 14:12  | 2              |
| Dibromofluoromethane (Surr)   | 102              |                  | 75 - 123      |     |      |   |                 | 03/31/21 14:12  | 2              |

**Client Sample ID: MW-25**

Date Collected: 03/29/21 12:20

Date Received: 03/30/21 10:30

**Lab Sample ID: 480-182633-6**

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         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| 1,1,2,2-Tetrachloroethane | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| 1,1,2-Trichloroethane     | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| <b>1,1-Dichloroethane</b> | <b>5.7</b> |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| 1,1-Dichloroethene        | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| 1,2-Dichloroethane        | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| 1,2-Dichloropropane       | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| 2-Hexanone                | ND         |           | 10  |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| Acetone                   | ND         |           | 10  |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| Benzene                   | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| Bromodichloromethane      | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |
| Bromoform                 | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:01 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

## Client Sample ID: MW-25

Date Collected: 03/29/21 12:20  
 Date Received: 03/30/21 10:30

## Lab Sample ID: 480-182633-6

Matrix: Water

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

| Analyte                       | Result           | Qualifier        | RL            | MDL | Unit | D | Prepared        | Analyzed        | Dil Fac        |
|-------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Bromomethane                  | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Carbon disulfide              | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Carbon tetrachloride          | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Chlorobenzene                 | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Chloroethane                  | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Chloroform                    | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Chloromethane                 | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| <b>cis-1,2-Dichloroethene</b> | <b>80</b>        |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| cis-1,3-Dichloropropene       | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Dibromochloromethane          | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Dichlorodifluoromethane       | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Ethylbenzene                  | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Methyl ethyl ketone (MEK)     | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Methyl isobutyl ketone (MIBK) | ND               |                  | 10            |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Methylene Chloride            | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Styrene                       | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Tetrachloroethene             | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Toluene                       | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| trans-1,2-Dichloroethene      | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| trans-1,3-Dichloropropene     | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Trichloroethene               | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Trichlorofluoromethane        | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Vinyl acetate                 | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Vinyl chloride                | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| Xylenes, Total                | ND               |                  | 5.0           |     | ug/L |   |                 | 03/31/21 19:01  | 1              |
| <b>Surrogate</b>              | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1,2-Dichloroethane-d4 (Surr)  | 106              |                  | 77 - 120      |     |      |   |                 | 03/31/21 19:01  | 1              |
| 4-Bromofluorobenzene (Surr)   | 105              |                  | 73 - 120      |     |      |   |                 | 03/31/21 19:01  | 1              |
| Toluene-d8 (Surr)             | 105              |                  | 80 - 120      |     |      |   |                 | 03/31/21 19:01  | 1              |
| Dibromofluoromethane (Surr)   | 102              |                  | 75 - 123      |     |      |   |                 | 03/31/21 19:01  | 1              |

## Client Sample ID: MW-22

Date Collected: 03/29/21 12:30  
 Date Received: 03/30/21 10:30

## Lab Sample ID: 480-182633-7

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     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| 1,1-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| 1,1-Dichloroethene        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| 1,2-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| 1,2-Dichloropropane       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| 2-Hexanone                | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| Acetone                   | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| Benzene                   | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| Bromodichloromethane      | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |
| Bromoform                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:00 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

## Client Sample ID: MW-22

Date Collected: 03/29/21 12:30  
 Date Received: 03/30/21 10:30

## Lab Sample ID: 480-182633-7

Matrix: Water

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

| Analyte                       | Result           | Qualifier        | RL            | MDL | Unit | D               | Prepared        | Analyzed       | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|------|-----------------|-----------------|----------------|---------|
| Bromomethane                  | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Carbon disulfide              | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Carbon tetrachloride          | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Chlorobenzene                 | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Chloroethane                  | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Chloroform                    | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Chloromethane                 | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| cis-1,2-Dichloroethene        | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| cis-1,3-Dichloropropene       | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Dibromochloromethane          | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Dichlorodifluoromethane       | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Ethylbenzene                  | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Methyl ethyl ketone (MEK)     | ND               |                  | 10            |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Methyl isobutyl ketone (MIBK) | ND               |                  | 10            |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Methylene Chloride            | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Styrene                       | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Tetrachloroethene             | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Toluene                       | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| trans-1,2-Dichloroethene      | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| trans-1,3-Dichloropropene     | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| <b>Trichloroethene</b>        | <b>6.6</b>       |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Trichlorofluoromethane        | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Vinyl acetate                 | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Vinyl chloride                | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| Xylenes, Total                | ND               |                  | 5.0           |     | ug/L |                 |                 | 03/31/21 15:00 | 1       |
| <b>Surrogate</b>              | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |         |
| 1,2-Dichloroethane-d4 (Surr)  | 106              |                  | 77 - 120      |     |      |                 | 03/31/21 15:00  |                | 1       |
| 4-Bromofluorobenzene (Surr)   | 105              |                  | 73 - 120      |     |      |                 | 03/31/21 15:00  |                | 1       |
| Toluene-d8 (Surr)             | 105              |                  | 80 - 120      |     |      |                 | 03/31/21 15:00  |                | 1       |
| Dibromofluoromethane (Surr)   | 104              |                  | 75 - 123      |     |      |                 | 03/31/21 15:00  |                | 1       |

## Client Sample ID: MW-BR-05

Date Collected: 03/29/21 13:50  
 Date Received: 03/30/21 10:30

## Lab Sample ID: 480-182633-8

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     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| 1,1-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| 1,1-Dichloroethene        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| 1,2-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| 1,2-Dichloropropane       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| 2-Hexanone                | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Acetone                   | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Benzene                   | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Bromodichloromethane      | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Bromoform                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

**Client Sample ID: MW-BR-05**

Date Collected: 03/29/21 13:50

Date Received: 03/30/21 10:30

**Lab Sample ID: 480-182633-8**

Matrix: Water

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Bromomethane                  | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Carbon disulfide              | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Carbon tetrachloride          | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Chlorobenzene                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Chloroethane                  | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Chloroform                    | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Chloromethane                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| cis-1,2-Dichloroethene        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| cis-1,3-Dichloropropene       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Dibromochloromethane          | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Dichlorodifluoromethane       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Ethylbenzene                  | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Methyl ethyl ketone (MEK)     | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Methyl isobutyl ketone (MIBK) | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Methylene Chloride            | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Styrene                       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Tetrachloroethene             | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Toluene                       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| trans-1,2-Dichloroethene      | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| trans-1,3-Dichloropropene     | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Trichloroethene               | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Trichlorofluoromethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Vinyl acetate                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Vinyl chloride                | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |
| Xylenes, Total                | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:24 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 77 - 120 |          | 03/31/21 15:24 | 1       |
| 4-Bromofluorobenzene (Surr)  | 106       |           | 73 - 120 |          | 03/31/21 15:24 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 80 - 120 |          | 03/31/21 15:24 | 1       |
| Dibromofluoromethane (Surr)  | 110       |           | 75 - 123 |          | 03/31/21 15:24 | 1       |

**Client Sample ID: TRIP BLANK**

Date Collected: 03/29/21 00:00

Date Received: 03/30/21 10:30

**Lab Sample ID: 480-182633-9**

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     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| 1,1-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| 1,1-Dichloroethene        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| 1,2-Dichloroethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| 1,2-Dichloropropane       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| 2-Hexanone                | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Acetone                   | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Benzene                   | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Bromodichloromethane      | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Bromoform                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: ARCADIS U.S. Inc  
 Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

## Client Sample ID: TRIP BLANK

Date Collected: 03/29/21 00:00  
 Date Received: 03/30/21 10:30

Lab Sample ID: 480-182633-9  
 Matrix: Water

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Bromomethane                  | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Carbon disulfide              | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Carbon tetrachloride          | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Chlorobenzene                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Chloroethane                  | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Chloroform                    | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Chloromethane                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| cis-1,2-Dichloroethene        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| cis-1,3-Dichloropropene       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Dibromochloromethane          | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Dichlorodifluoromethane       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Ethylbenzene                  | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Methyl ethyl ketone (MEK)     | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Methyl isobutyl ketone (MIBK) | ND     |           | 10  |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Methylene Chloride            | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Styrene                       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Tetrachloroethene             | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Toluene                       | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| trans-1,2-Dichloroethene      | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| trans-1,3-Dichloropropene     | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Trichloroethene               | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Trichlorofluoromethane        | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Vinyl acetate                 | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Vinyl chloride                | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |
| Xylenes, Total                | ND     |           | 5.0 |     | ug/L |   |          | 03/31/21 15:48 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 77 - 120 |          | 03/31/21 15:48 | 1       |
| 4-Bromofluorobenzene (Surr)  | 108       |           | 73 - 120 |          | 03/31/21 15:48 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 80 - 120 |          | 03/31/21 15:48 | 1       |
| Dibromofluoromethane (Surr)  | 106       |           | 75 - 123 |          | 03/31/21 15:48 | 1       |

## Client Sample ID: DUP-032921

Date Collected: 03/29/21 00:00  
 Date Received: 03/30/21 10:30

Lab Sample ID: 480-182633-10  
 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         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| 1,1,2,2-Tetrachloroethane | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| 1,1,2-Trichloroethane     | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| <b>1,1-Dichloroethane</b> | <b>6.4</b> |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| 1,1-Dichloroethene        | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| 1,2-Dichloroethane        | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| 1,2-Dichloropropane       | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| 2-Hexanone                | ND         |           | 10  |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Acetone                   | ND         |           | 10  |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Benzene                   | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Bromodichloromethane      | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Bromoform                 | ND         |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: ARCADIS U.S. Inc  
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-182633-1

**Client Sample ID: DUP-032921**

Date Collected: 03/29/21 00:00

Date Received: 03/30/21 10:30

**Lab Sample ID: 480-182633-10**

Matrix: Water

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

| Analyte                       | Result    | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|-----|-----|------|---|----------|----------------|---------|
| Bromomethane                  | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Carbon disulfide              | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Carbon tetrachloride          | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Chlorobenzene                 | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Chloroethane                  | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Chloroform                    | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Chloromethane                 | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>93</b> |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| cis-1,3-Dichloropropene       | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Dibromochloromethane          | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Dichlorodifluoromethane       | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Ethylbenzene                  | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Methyl ethyl ketone (MEK)     | ND        |           | 10  |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Methyl isobutyl ketone (MIBK) | ND        |           | 10  |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Methylene Chloride            | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Styrene                       | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Tetrachloroethene             | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Toluene                       | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| trans-1,2-Dichloroethene      | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| trans-1,3-Dichloropropene     | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Trichloroethene               | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Trichlorofluoromethane        | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Vinyl acetate                 | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Vinyl chloride                | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |
| Xylenes, Total                | ND        |           | 5.0 |     | ug/L |   |          | 03/31/21 19:25 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 113       |           | 77 - 120 |          | 03/31/21 19:25 | 1       |
| 4-Bromofluorobenzene (Surr)  | 107       |           | 73 - 120 |          | 03/31/21 19:25 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 80 - 120 |          | 03/31/21 19:25 | 1       |
| Dibromofluoromethane (Surr)  | 110       |           | 75 - 123 |          | 03/31/21 19:25 | 1       |