verizon

GTE Operations Support Incorporated
One Verizon Way (VC 33E047C)
Basking Ridge, NJ 07920-1097
908-559-3691

December 7, 2023

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

Re: Fall 2023 Semi-Annual Groundwater Sampling Event
Former Philips Display Components Facility
Seneca Falls, New York, Site #850003

Dear Ms. Theobald:

Results are attached for semi-annual groundwater sampling conducted in September 2023 at the Former Philips Display Components Facility in Seneca Falls, New York. Chlorinated volatile organic compounds, 1,1-dichloroethane, vinyl chloride, 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 March 2024.

Please contact me if you have any questions.

Sincerely,

Matthew T. Walsh
Manager – Environment, Health and Safety

Attachments
A – Fall 2023 Groundwater Sampling Event Summary
B – Figures
C – Tables
D – Groundwater VOC Concentration Graphs
E – Data Validation Report

ec:
Mr. Eamonn O'Neil (NYSDOH)
Ms. Julia Kenney (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

September 2023 Groundwater Sampling Event Summary

Fall 2023 Semi-Annual Groundwater Sampling

On September 11, 2023, Arcadis of New York, Inc. measured depths to groundwater in 17 monitoring wells and retrieved passive diffusion bags (PDBs) from 14 monitoring wells where PDBs were deployed on March 17, 2023 (Attachment B Figure 1). Fifteen groundwater samples, including one duplicate sample, were collected for analysis of volatile organic compounds (VOCs) from PDBs retrieved from nine shallow monitoring wells (MW-1, MW-22 through 26, MW-28, and MW-29), one weathered bedrock monitoring well (MW-BR-06), and four bedrock monitoring wells (MW-BR-01, MW-BR-02, MW-BR-04, and MW-BR-05).

The samples were shipped overnight with a trip blank to Eurofins Environment Testing Northeast, LLC (formerly 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 summarizes depths to water and groundwater elevations measured on September 11, 2023 (Attachment C). Groundwater potentiometric surface contours for September 2023 (Attachment B, Figure 2) show groundwater flow through the overburden is toward the south and east. The groundwater flow direction and hydraulic gradient have been relatively consistent over time.

Table 2 summarizes analytical results for the September 2023 groundwater samples and the corresponding quality assurance/quality control samples (Attachment C). VOC concentrations in the September 2023 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 (µg/L) in samples from monitoring wells MW-22, MW-25, MW-26, and MW-28, and in the duplicate sample from monitoring well MW-25.
- Vinyl Chloride was reported at concentrations greater than the NYSDEC Class GA Standard of 2 micrograms per liter (µg/L) in the sample from monitoring well MW-24.
- *cis*-1,2-Dichloroethene was reported at concentrations greater than the NYSDEC Class GA Standard of 5 µg/L in samples from monitoring wells MW-22, MW-24, MW-25, 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 µg/L in both the sample and duplicate sample from monitoring well MW-25.

On September 11, 2023, after groundwater samples were collected, new PDBs were deployed in the eight monitoring wells scheduled for groundwater sampling in March 2024. 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
- CHAIN-LINK FENCE

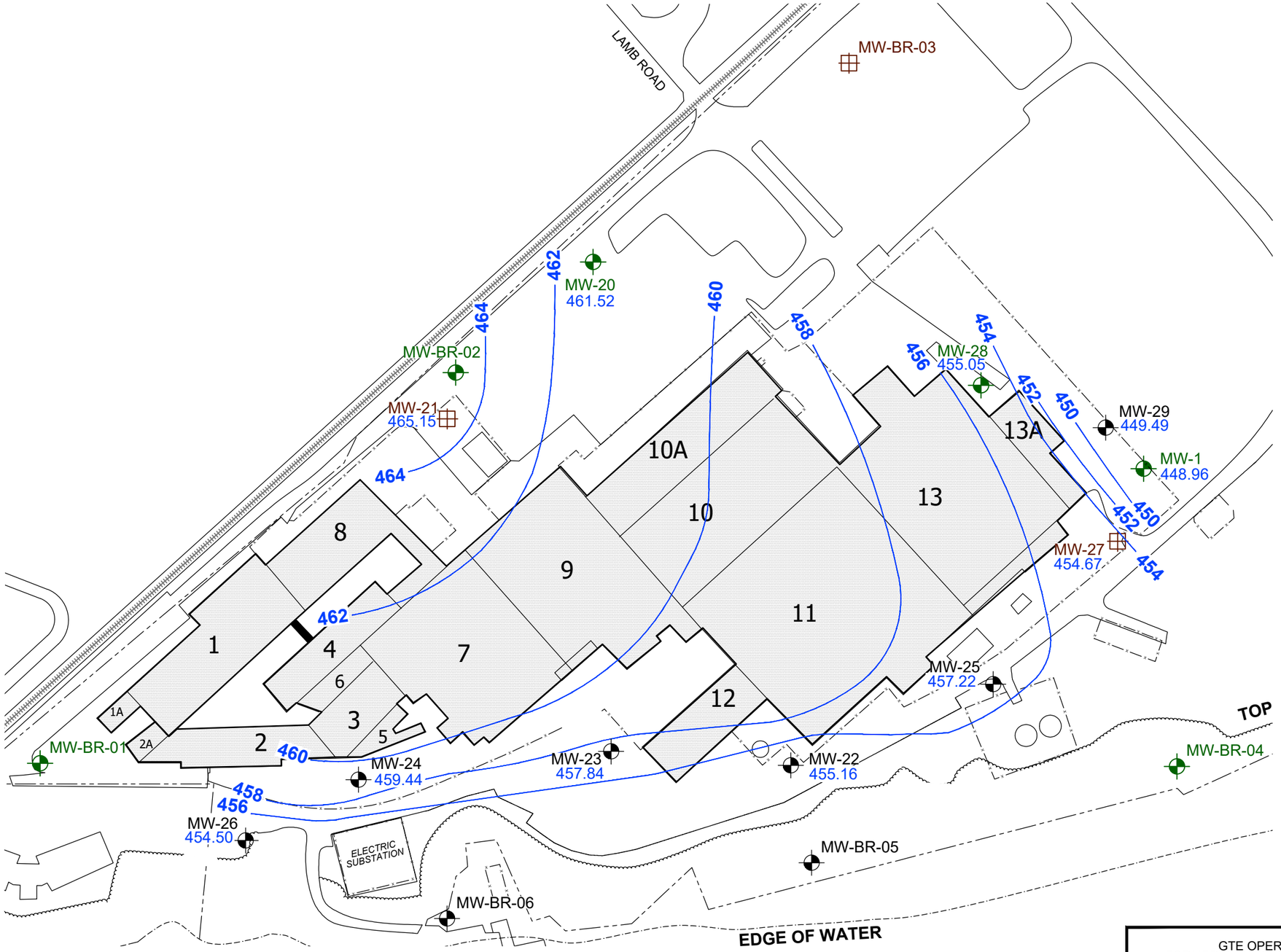
0 200' 400'
GRAPHIC SCALE

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

SITE PLAN

ARCADIS

FIGURE 1



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
- CHAIN-LINK FENCE
- 455.16 — GROUNDWATER ELEVATION
- 456 — GROUNDWATER CONTOUR

0 200' 400'
FEET

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

OVERBURDEN GROUNDWATER POTENTIOMETRIC SURFACE MAP SEPTEMBER 11, 2023

ARCADIS

FIGURE 2

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	11.87	448.96
MW-20	463.42	1.90	461.52
MW-21	467.39	2.24	465.15
MW-22	460.77	5.61	455.16
MW-23	460.59	2.75	457.84
MW-24	462.76	3.32	459.44
MW-25	460.74	3.52	457.22
MW-26	458.80	4.30	454.50
MW-27	460.45	5.78	454.67
MW-28	461.26	6.21	455.05
MW-29	459.89	10.40	449.49
MW-BR-01	462.64	35.61	427.03
MW-BR-02	467.87	30.26	437.61
MW-BR-03	457.06	9.51	447.55
MW-BR-04	396.39	--	Artesian
MW-BR-05	401.34	--	--
MW-BR-06	436.30	37.41	398.89

Notes:

AMSL - Above mean sea level

-- - Not Measured

Depth to water measurements were recorded on 9/13/2023

Depth to water was not recorded for MW-BR-05 during September 2023 because a wasp ground nest interfered with measurements

Table 2
Groundwater Analytical Results (September 2023)
Former Philips Display Components Facility
Seneca Falls, New York

VOCs	CAS #	NYS Class GA Standard	MW-1	MW-20	MW-22	MW-23	MW-24	MW-25	MW-25 Dup	MW-26	MW-28	MW-29	MW-BR-01	MW-BR-02	MW-BR-04	MW-BR-05	MW-BR-06	TRIP BLANK
1,1,1-Trichloroethane	71-55-6	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 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	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 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	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	75-34-3	5	5 U	5 U	5 U	5 U	200 U	**12**	**12**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	75-35-4	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 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	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	78-87-5	1	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	591-78-6	50	10 U	10 U	10 U	10 U	400 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	67-64-1	50	10 U	10 U	10 U	12 J+	400 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	71-43-2	1	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	75-27-4	50	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	75-25-2	50	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	74-83-9	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	75-15-0	60	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	56-23-5	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	108-90-7	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	75-00-3	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	67-66-3	7	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	74-87-3	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 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	5 U	**12**	5 U	**23000**	**140**	**130**	**95**	5 U	**100**	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	10061-01-5	0.4	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	124-48-1	50	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	75-71-8	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	100-41-4	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	78-93-3	50	10 U	10 U	10 U	10 U	400 U	10 U	10 U	10 U	10 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	10 U	10 U	10 U	400 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	75-09-2	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	100-42-5	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	127-18-4	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	108-88-3	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 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	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 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	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	79-01-6	5	5 U	5 U	**7.6**	5 U	200 U	**6.6**	**6.8**	**72**	**5.6**	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	75-69-4	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	75-01-4	2	5 U	5 U	5 U	5 U	**1200**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	1330-20-7	5	5 U	5 U	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

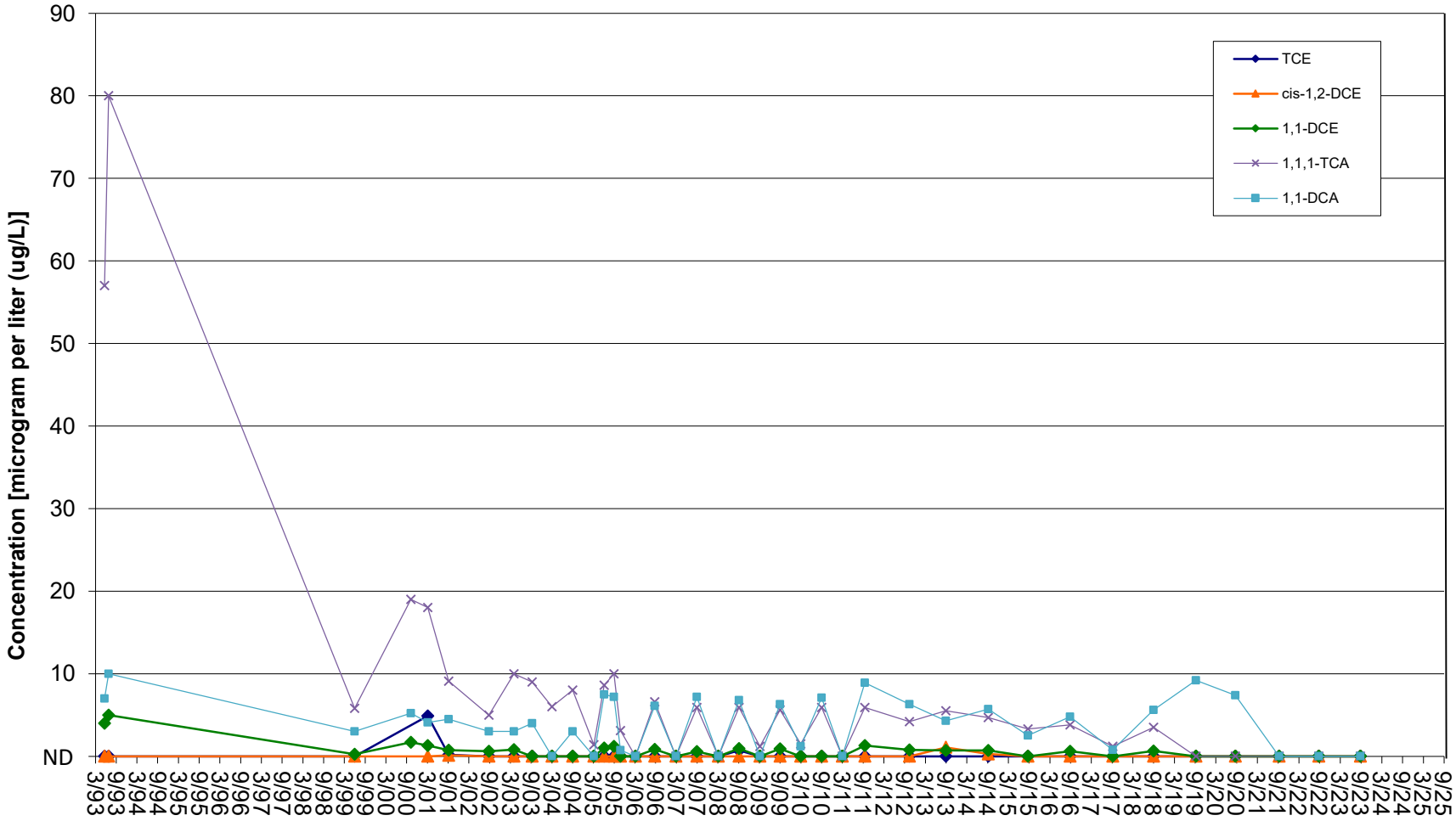
NOTES:
Bolded results were greater than the NYSDEC Class GA Standards
All values are shown in units of micrograms per liter (ug/L).
* - There is no NYS Class GA standard for cyclohexane.

U = Not detected. Reporting limit shown.
J = Estimated
J+ = Estimated high

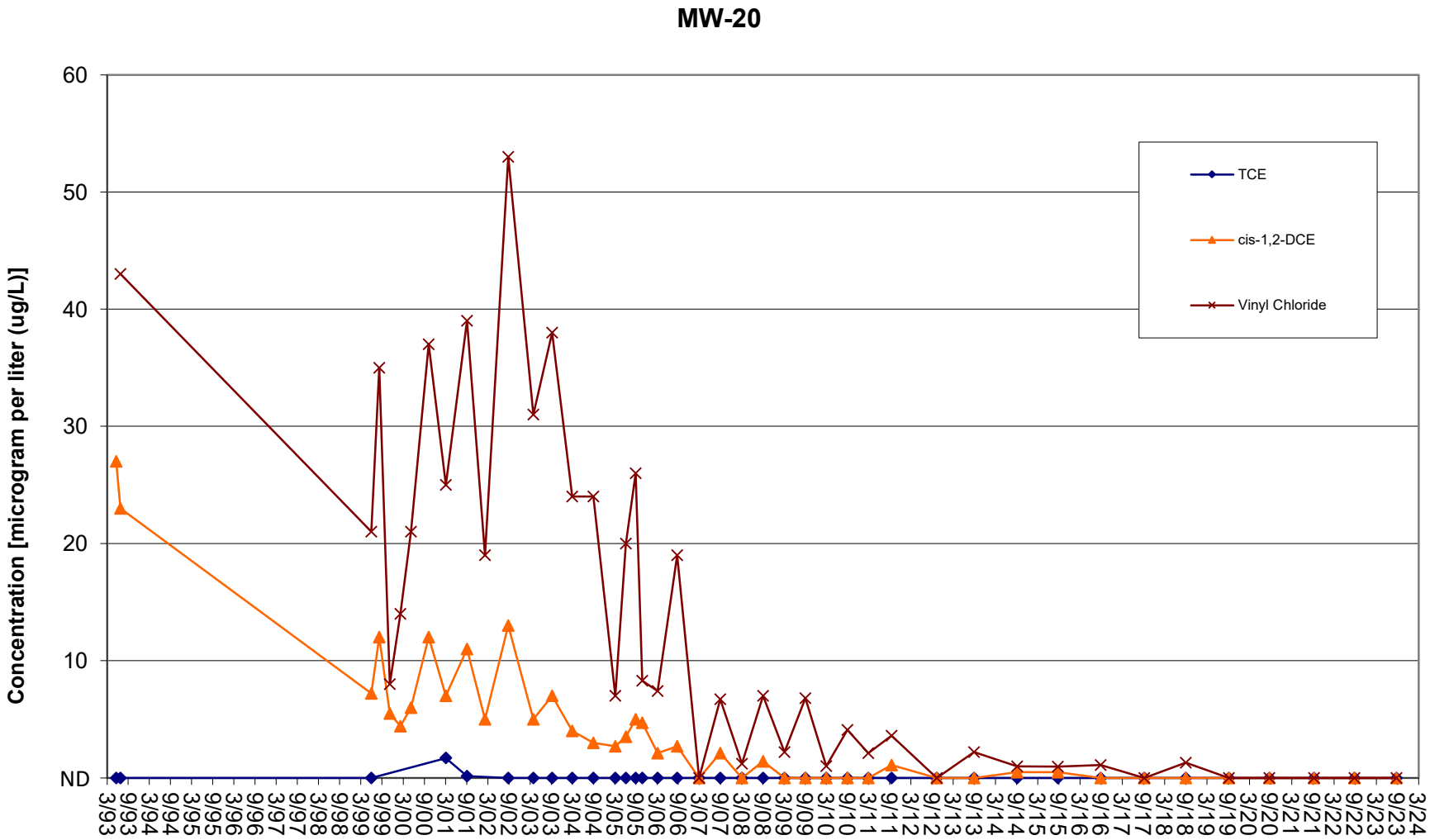
ATTACHMENT D

Groundwater VOC Concentration Graphs

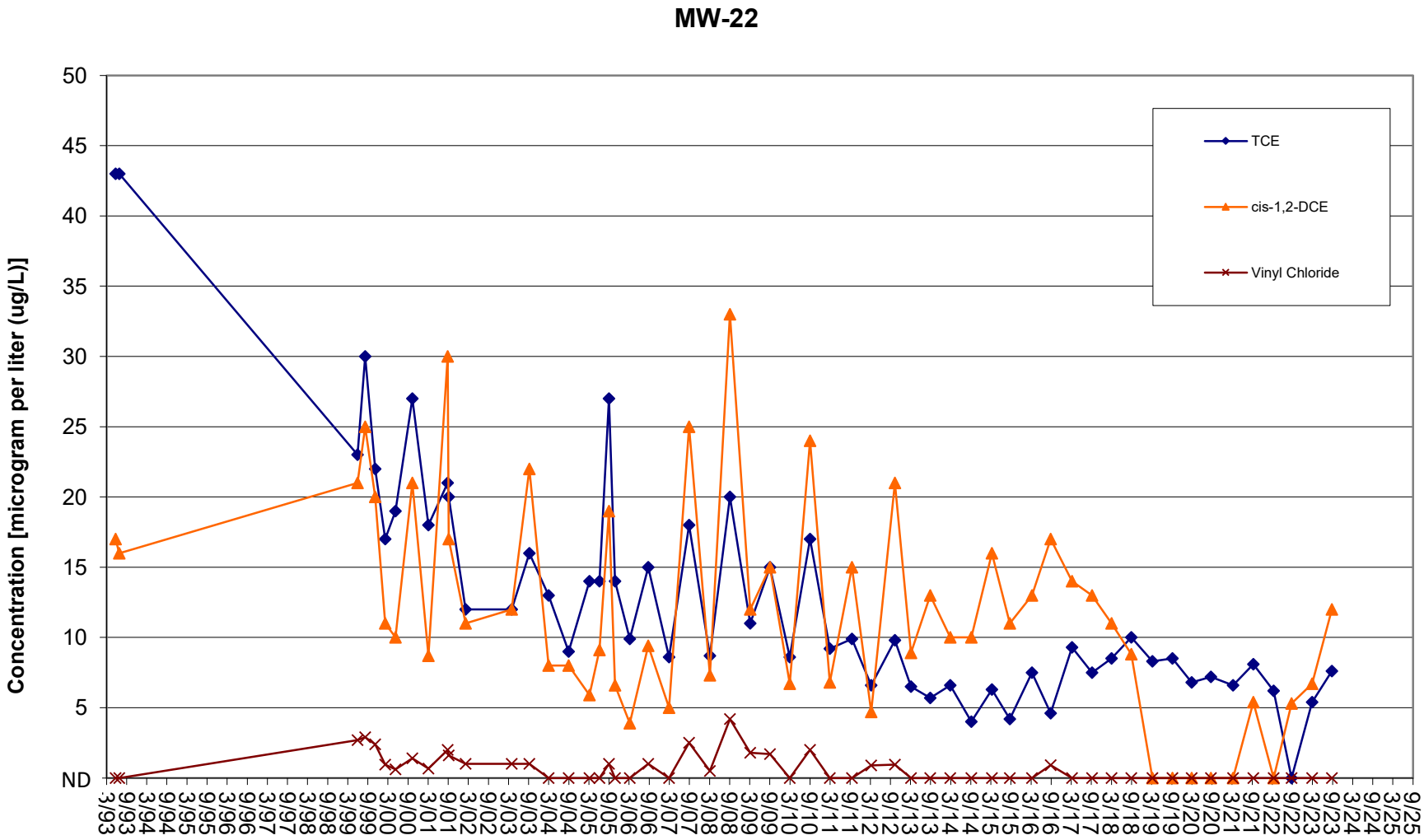
MW-1



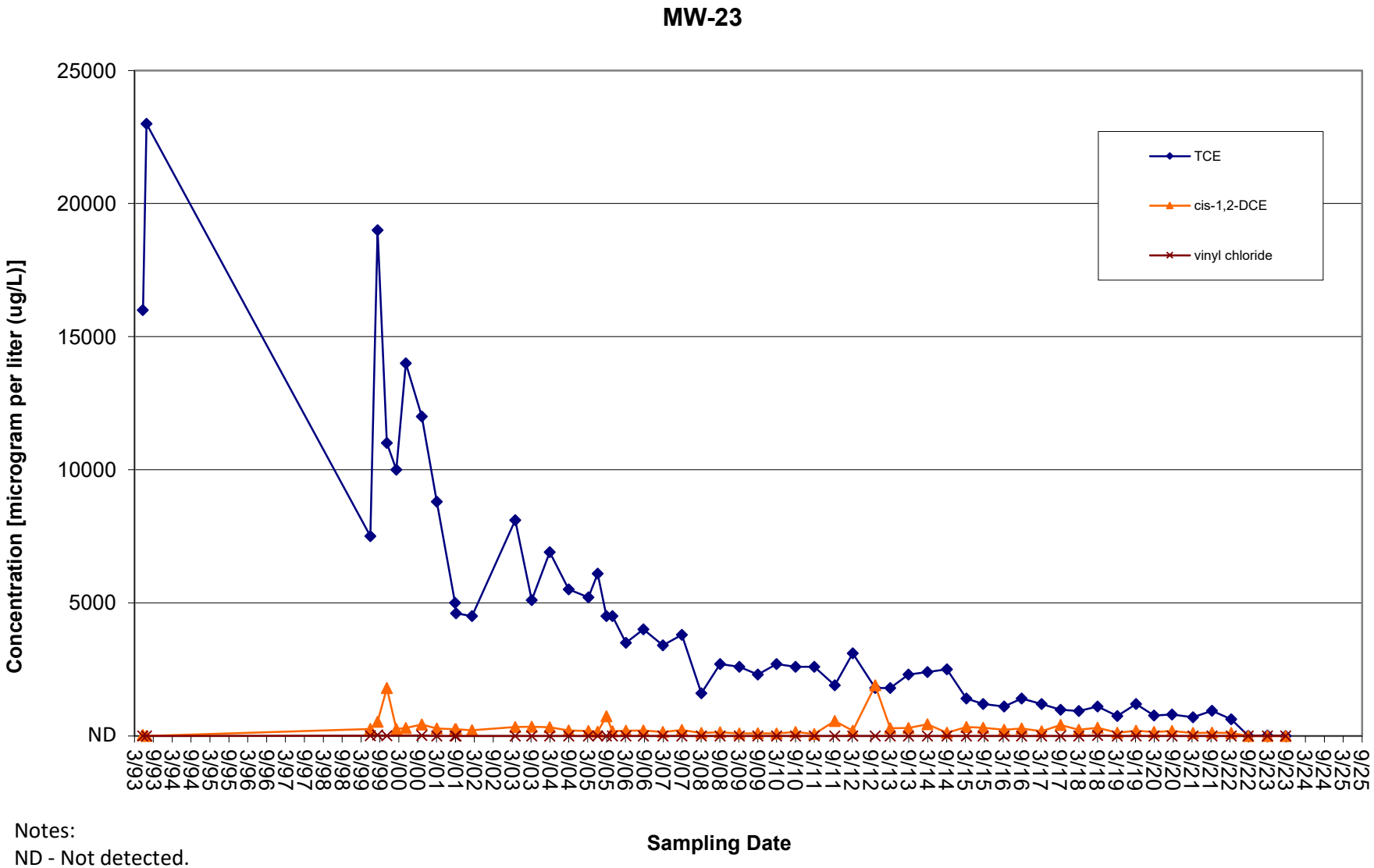
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.



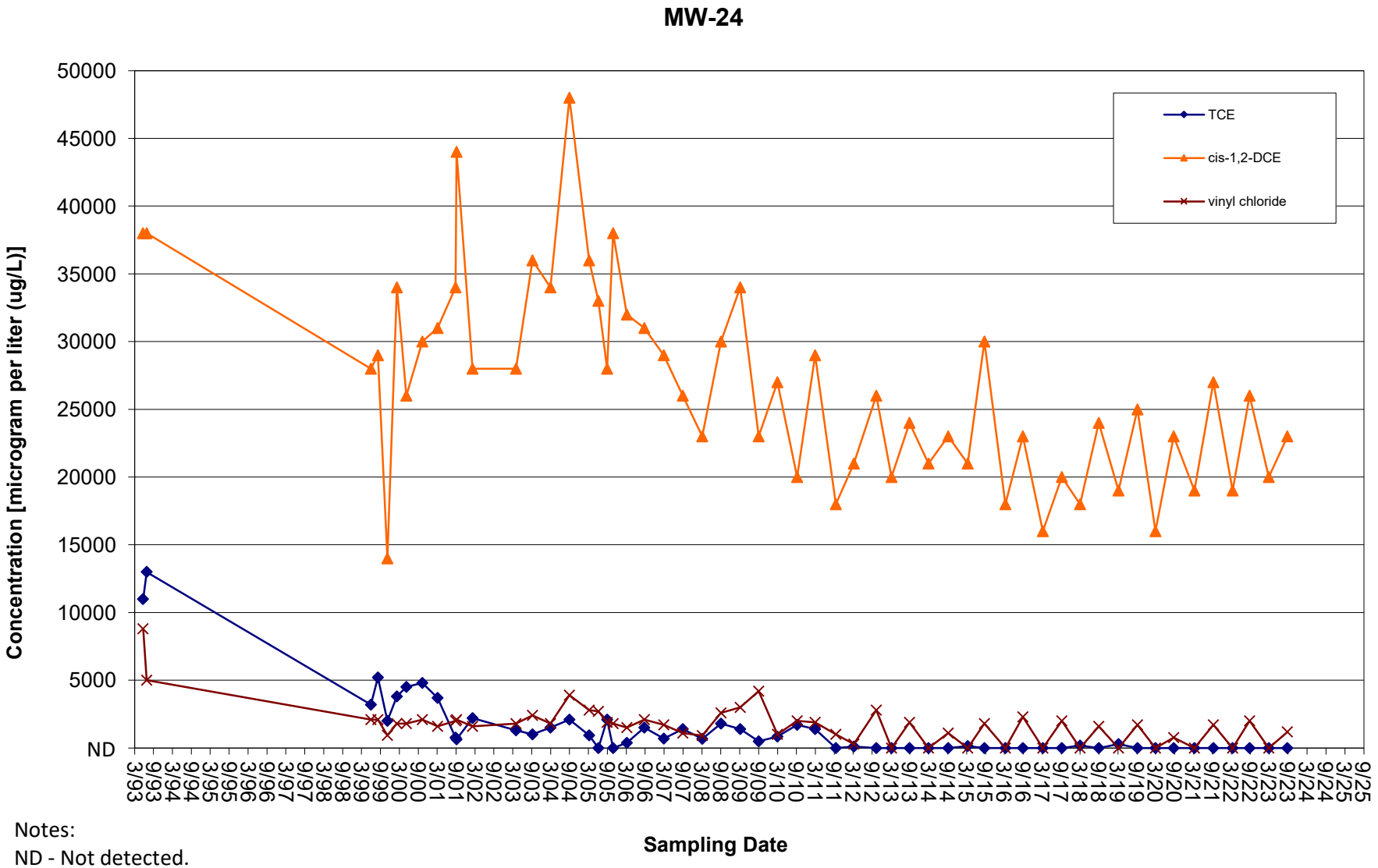
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.



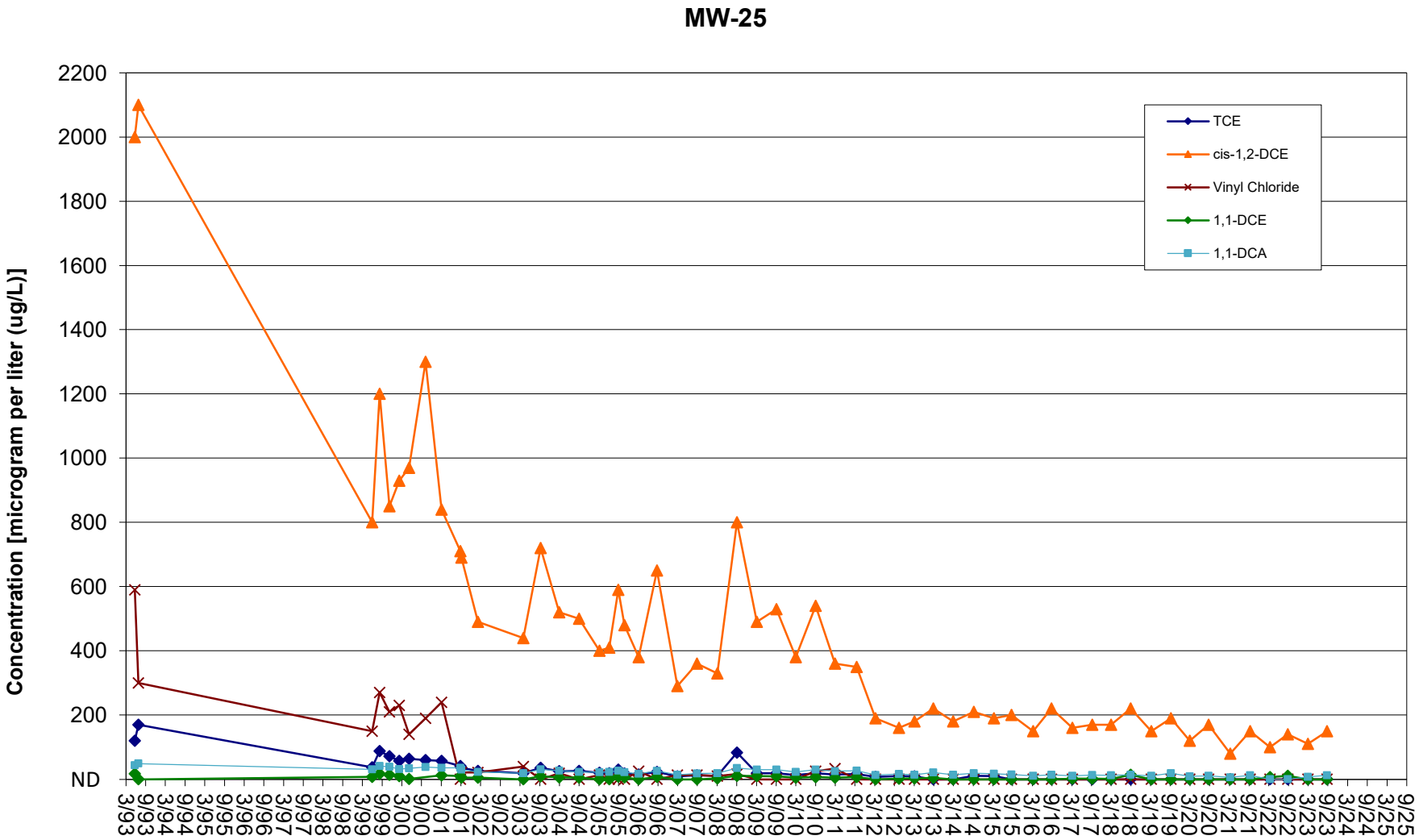
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.



Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

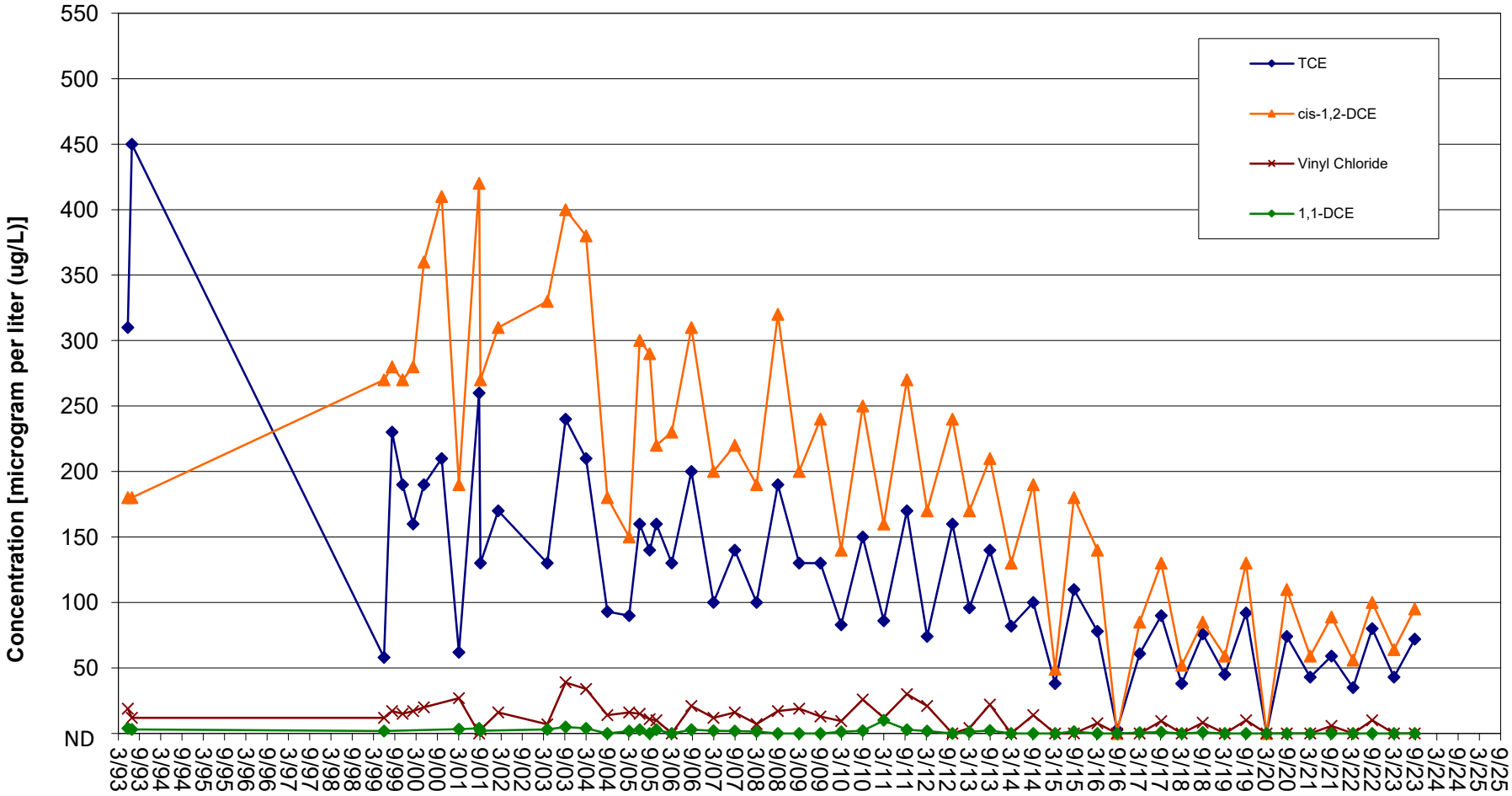


Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.



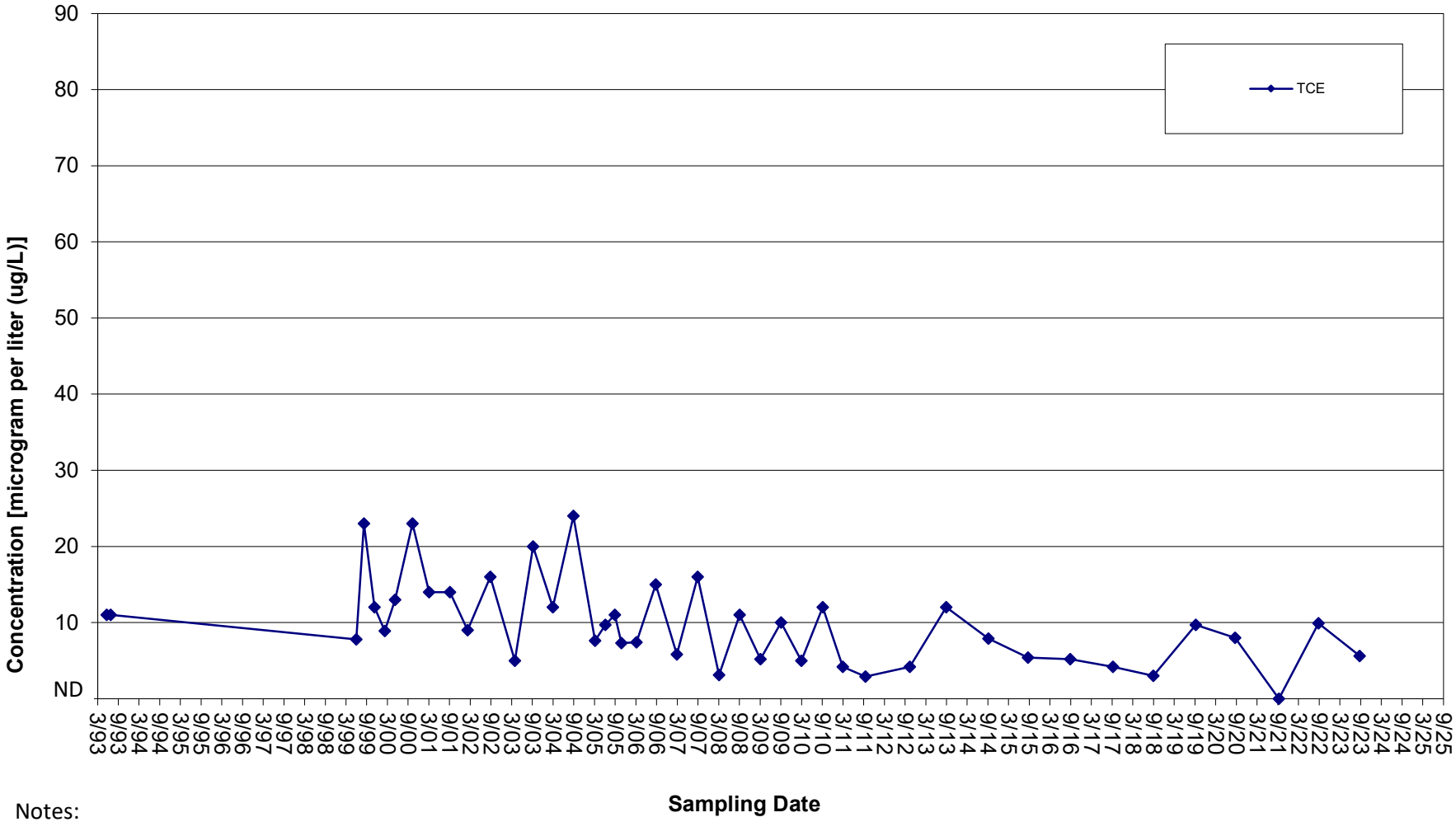
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-26



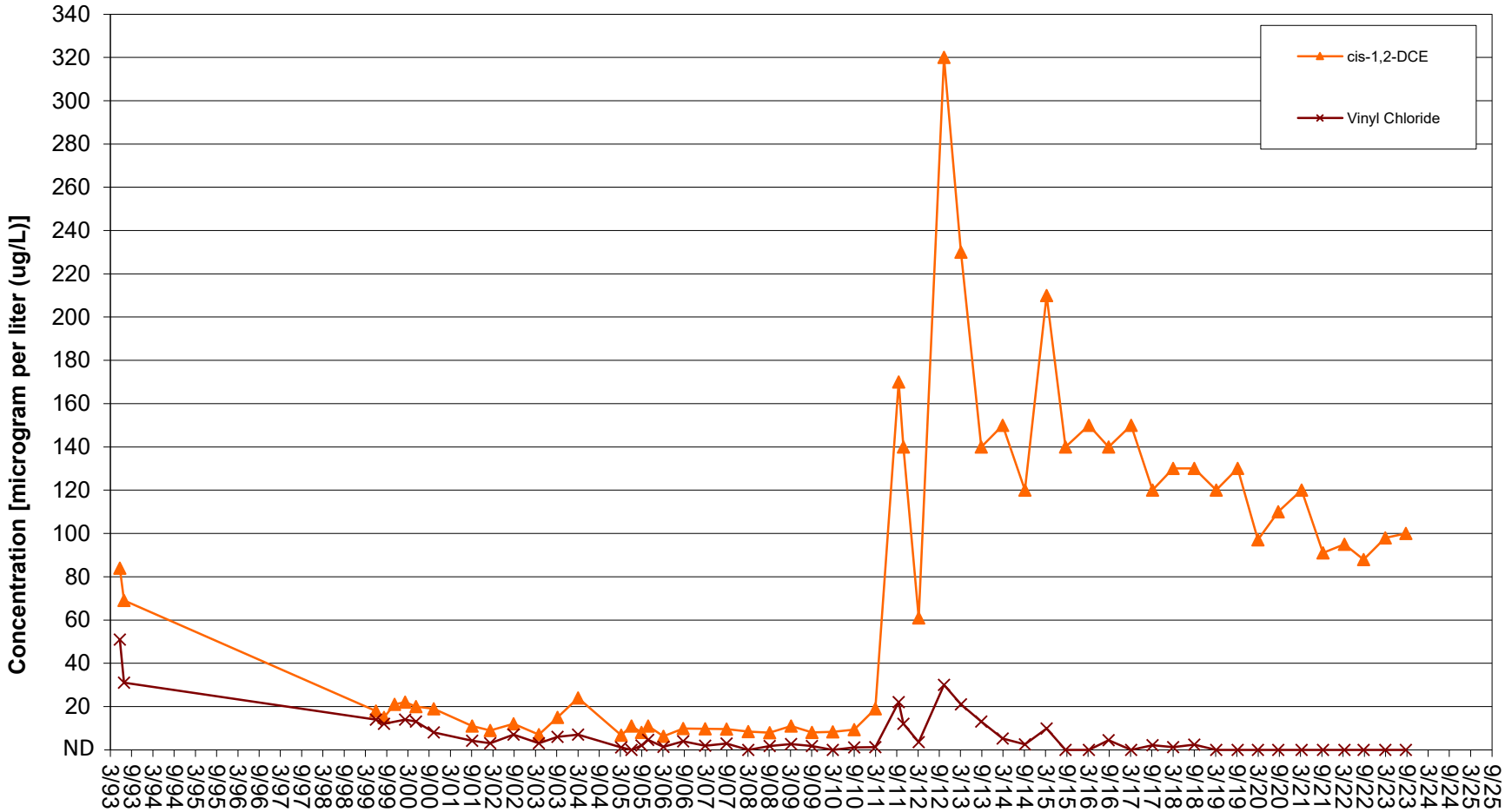
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-28

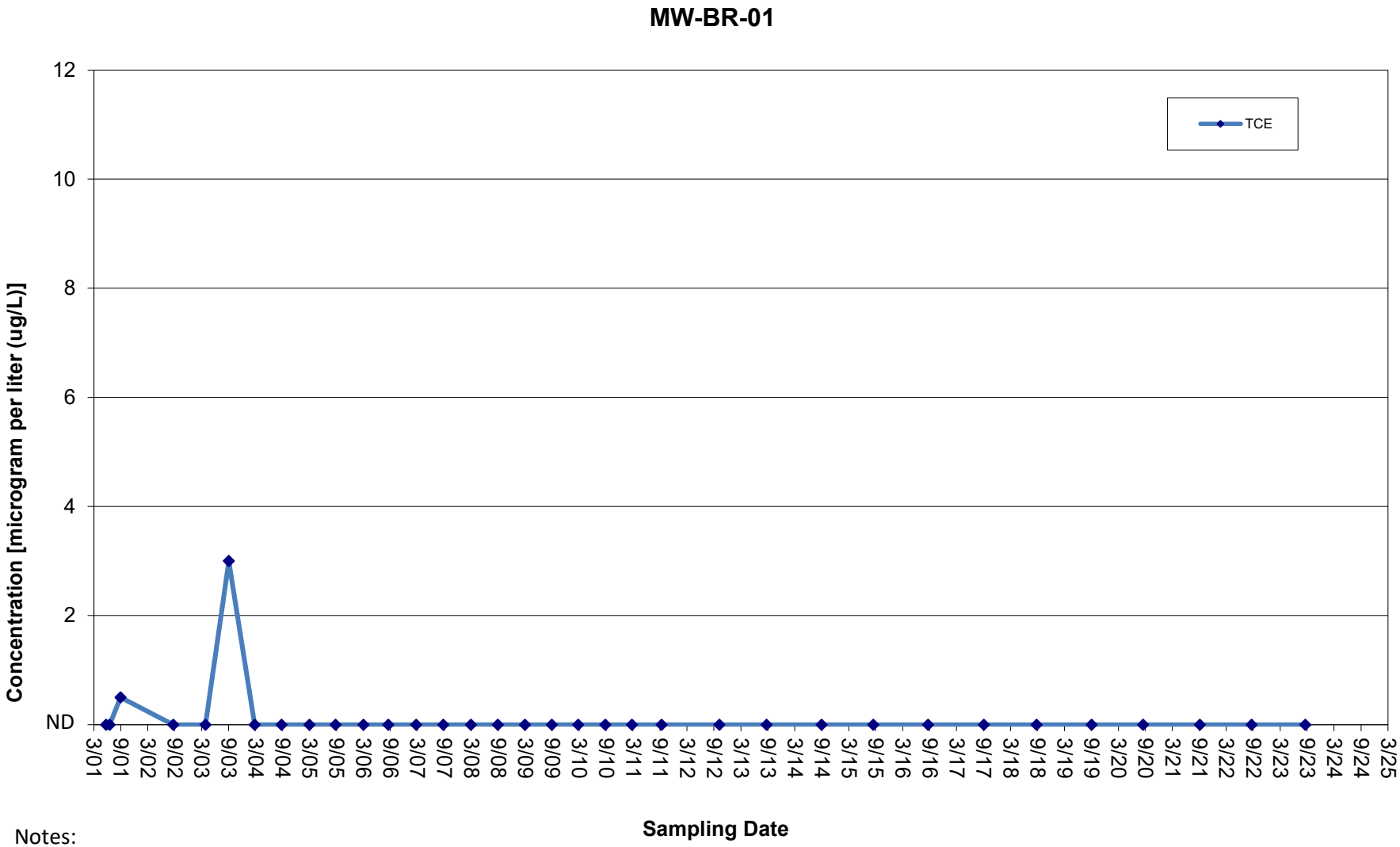


Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-29

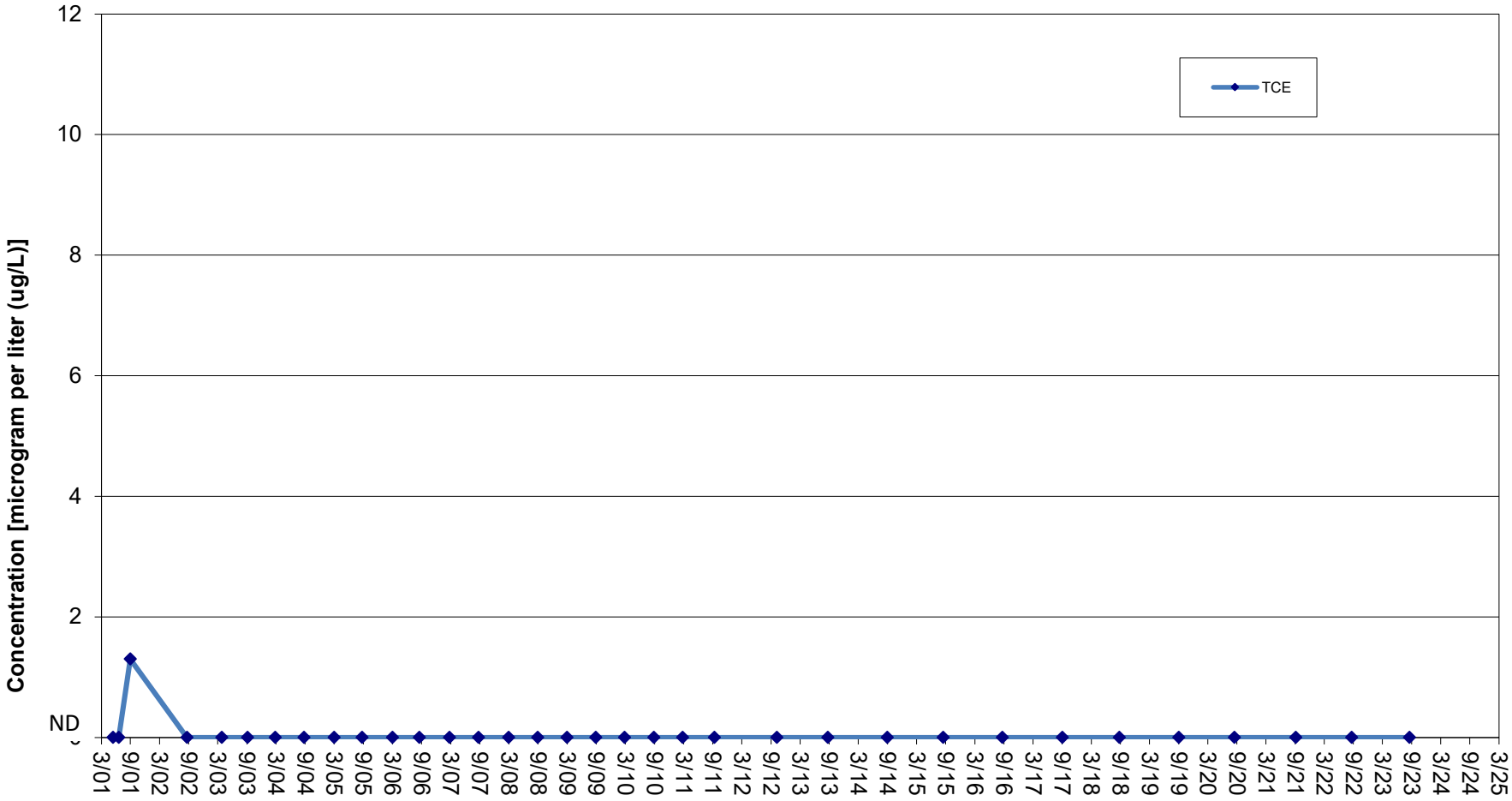


Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.



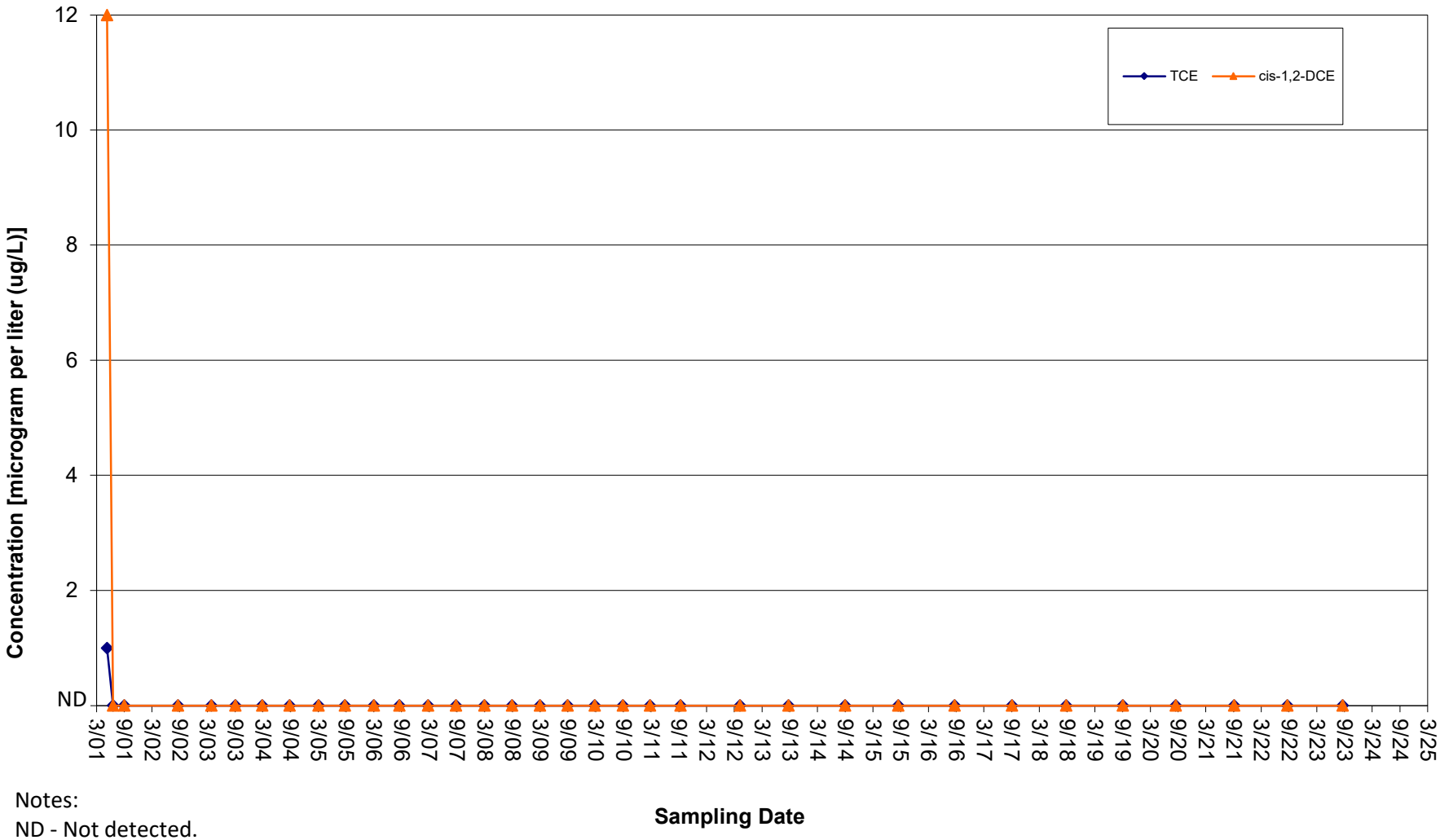
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-BR-02



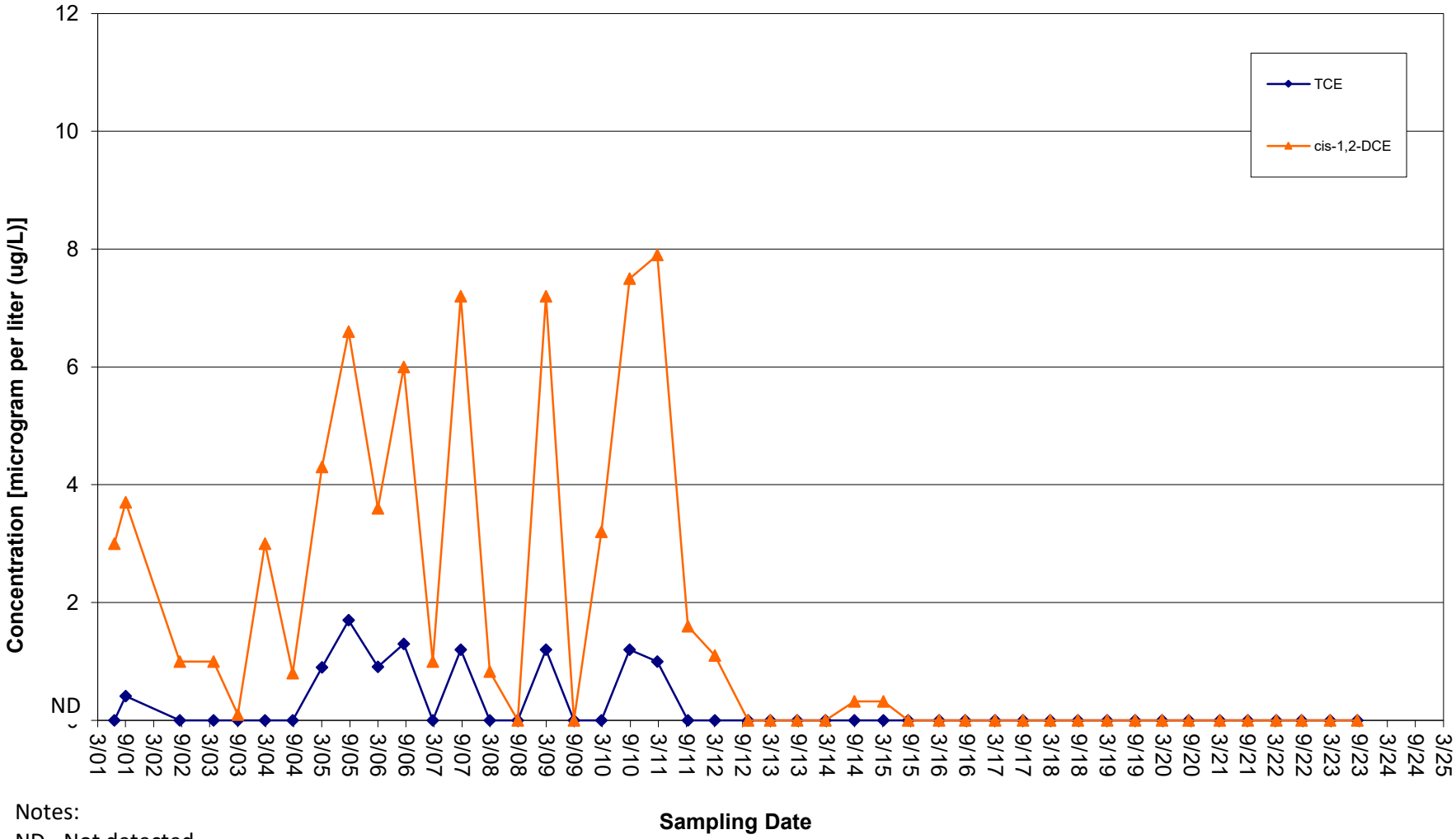
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-BR-04



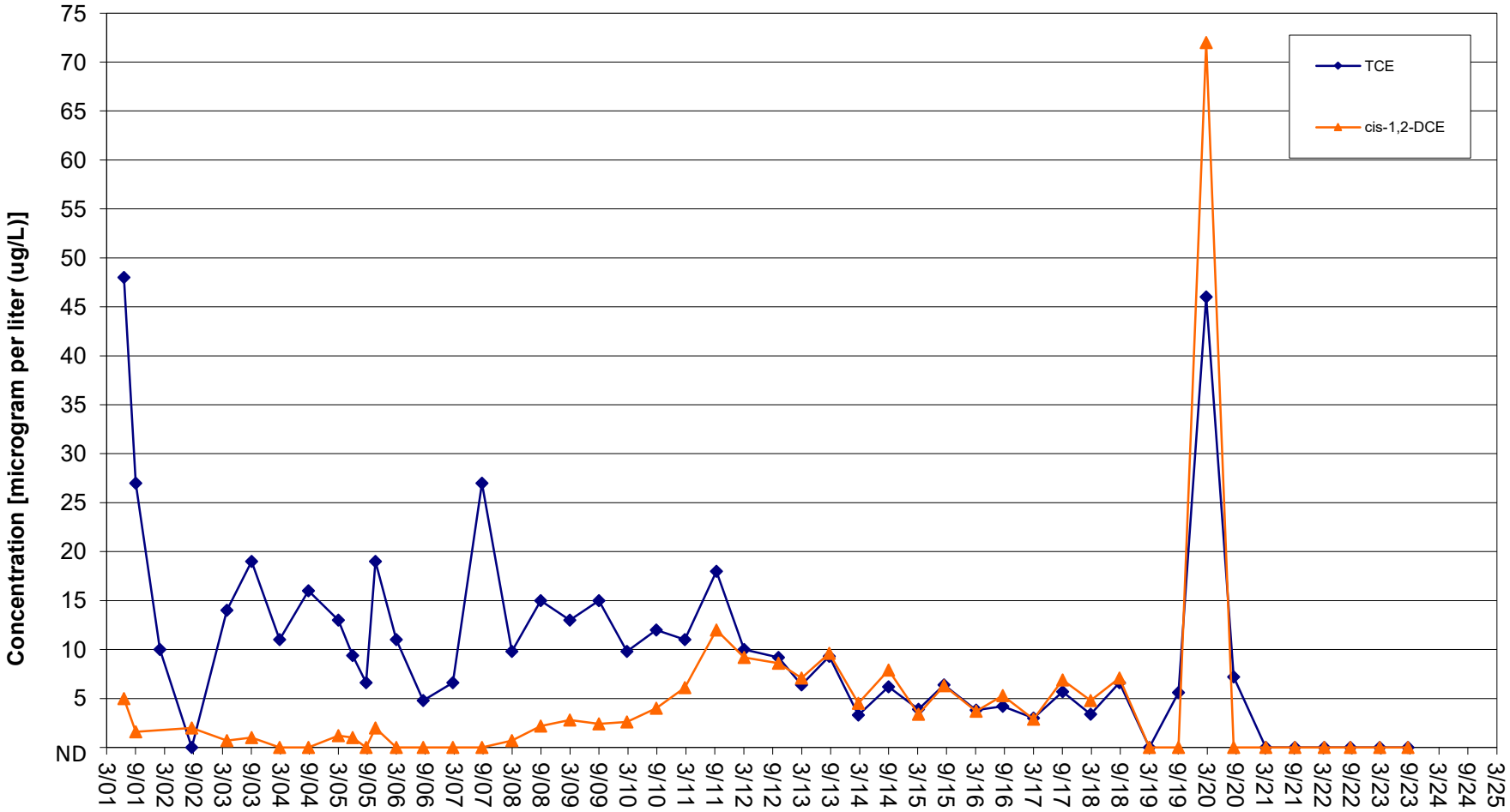
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

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

October 25, 2023

Mark Flusche
Arcadis of New York
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. 480-212573-1

Dear Mr. Flusche:

Review has been completed for the data package generated by Eurofins TestAmerica Laboratories that pertains to samples collected 09/11/23 at Seneca Falls, NY. Thirteen 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 either as reported or with minor qualification.

Validation data qualifier definitions, sample identifications, and the laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also included are laboratory results forms, edited in red to reflect the qualifier recommended in this report.

VOA Analyses by EPA 8260D

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.

The detected result for acetone in MW-23 is qualified as estimated, with a high bias, due to elevated recovery (148%) of that analyte in the associated LCS.

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 within validation guidelines.

Surrogate and internal standard responses are within required range, and holding times were met. Blanks show no contamination. Calibration standards show responses within validation guidelines.

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: Validation Data Qualifier Definitions
Sample Identifications
Laboratory Case Narrative
Laboratory Sample Results

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Identification Summary

Sample Summary

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

Job ID: 480-212573-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-212573-1	MW-1	Water	09/11/23 10:00	09/12/23 10:30
480-212573-2	MW-20	Water	09/11/23 09:30	09/12/23 10:30
480-212573-3	MW-22	Water	09/11/23 10:20	09/12/23 10:30
480-212573-4	MW-23	Water	09/11/23 07:55	09/12/23 10:30
480-212573-5	MW-24	Water	09/11/23 08:10	09/12/23 10:30
480-212573-6	MW-25	Water	09/11/23 11:50	09/12/23 10:30
480-212573-7	MW-26	Water	09/11/23 08:40	09/12/23 10:30
480-212573-8	MW-28	Water	09/11/23 09:40	09/12/23 10:30
480-212573-9	MW-29	Water	09/11/23 09:50	09/12/23 10:30
480-212573-10	MW-BR-01	Water	09/11/23 09:00	09/12/23 10:30
480-212573-11	MW-BR-02	Water	09/11/23 09:15	09/12/23 10:30
480-212573-12	MW-BR-04	Water	09/11/23 12:00	09/12/23 10:30
480-212573-13	MW-BR-06	Water	09/11/23 08:50	09/12/23 10:30
480-212573-14	DUP-091123	Water	09/11/23 00:00	09/12/23 10:30
480-212573-15	TRIP BLANK	Water	09/11/23 00:00	09/12/23 10:30

Laboratory Case Narrative

Job Narrative
480-212573-1

Receipt
The samples were received on 9/12/2023 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 2.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-683359 recovered above the upper control limit for 1,1-Dichloroethene, Carbon disulfide and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW-24 (480-212573-5).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-683359 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated sample is impacted: MW-24 (480-212573-5).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-683359 recovered above the upper control limit for 1,1-Dichloroethene, Carbon disulfide, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-1 (480-212573-1), MW-20 (480-212573-2), MW-22 (480-212573-3), MW-23 (480-212573-4), MW-24 (480-212573-5), MW-25 (480-212573-6), MW-26 (480-212573-7), MW-28 (480-212573-8), MW-29 (480-212573-9), MW-BR-01 (480-212573-10), MW-BR-02 (480-212573-11) and MW-BR-04 (480-212573-12).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-683359 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW-1 (480-212573-1), MW-20 (480-212573-2), MW-22 (480-212573-3), MW-24 (480-212573-5), MW-25 (480-212573-6), MW-26 (480-212573-7), MW-28 (480-212573-8), MW-29 (480-212573-9), MW-BR-01 (480-212573-10), MW-BR-02 (480-212573-11) and MW-BR-04 (480-212573-12).

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-683359 recovered outside control limits for the following analyte(s): Acetone. Acetone has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified. The associated sample is impacted: MW-23 (480-212573-4).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-24 (480-212573-5), MW-24 (480-212573-5[MS]), MW-24 (480-212573-5[MSD]) and MW-25 (480-212573-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-683500 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW-29 (480-212573-9), MW-BR-06 (480-212573-13), DUP-091123 (480-212573-14) and TRIP BLANK (480-212573-15).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-29 (480-212573-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-091123 (480-212573-14), (480-212573-C-14 MS) and (480-212573-C-14 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-683675 recovered above the upper control limit for Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: DUP-091123 (480-212573-14).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-683675 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is impacted: DUP-091123 (480-212573-14).

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

Qualified Laboratory Results Forms

Client Sample ID: MW-1
Date Collected: 09/11/23 10:00
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 01:56	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 01:56	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 01:56	1
2-Hexanone	ND		10		ug/L			09/14/23 01:56	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 01:56	1
Acetone	ND	*+	10		ug/L			09/14/23 01:56	1
Benzene	ND		5.0		ug/L			09/14/23 01:56	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 01:56	1
Bromoform	ND		5.0		ug/L			09/14/23 01:56	1
Bromomethane	ND		5.0		ug/L			09/14/23 01:56	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 01:56	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 01:56	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 01:56	1
Chloroethane	ND		5.0		ug/L			09/14/23 01:56	1
Chloroform	ND		5.0		ug/L			09/14/23 01:56	1
Chloromethane	ND		5.0		ug/L			09/14/23 01:56	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 01:56	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 01:56	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 01:56	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 01:56	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 01:56	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 01:56	1
Styrene	ND		5.0		ug/L			09/14/23 01:56	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 01:56	1
Toluene	ND		5.0		ug/L			09/14/23 01:56	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 01:56	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 01:56	1
Trichloroethene	ND		5.0		ug/L			09/14/23 01:56	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 01:56	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 01:56	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 01:56	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/23 01:56*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/23 01:56*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/23 01:56*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/14/23 01:56*	*1*

Client Sample ID: MW-20
Date Collected: 09/11/23 09:30
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 02:19	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 02:19	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 02:19	1
2-Hexanone	ND		10		ug/L			09/14/23 02:19	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 02:19	1
Acetone	ND	*+	10		ug/L			09/14/23 02:19	1
Benzene	ND		5.0		ug/L			09/14/23 02:19	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 02:19	1
Bromoform	ND		5.0		ug/L			09/14/23 02:19	1
Bromomethane	ND		5.0		ug/L			09/14/23 02:19	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 02:19	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 02:19	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 02:19	1
Chloroethane	ND		5.0		ug/L			09/14/23 02:19	1
Chloroform	ND		5.0		ug/L			09/14/23 02:19	1
Chloromethane	ND		5.0		ug/L			09/14/23 02:19	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 02:19	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 02:19	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 02:19	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 02:19	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 02:19	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 02:19	1
Styrene	ND		5.0		ug/L			09/14/23 02:19	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 02:19	1
Toluene	ND		5.0		ug/L			09/14/23 02:19	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 02:19	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 02:19	1
Trichloroethene	ND		5.0		ug/L			09/14/23 02:19	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 02:19	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 02:19	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 02:19	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/14/23 02:19*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/23 02:19*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/14/23 02:19*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/14/23 02:19*	*1*

Client Sample ID: MW-22
Date Collected: 09/11/23 10:20
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 02:43	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 02:43	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 02:43	1
2-Hexanone	ND		10		ug/L			09/14/23 02:43	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 02:43	1
Acetone	ND	*+	10		ug/L			09/14/23 02:43	1
Benzene	ND		5.0		ug/L			09/14/23 02:43	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 02:43	1
Bromoform	ND		5.0		ug/L			09/14/23 02:43	1
Bromomethane	ND		5.0		ug/L			09/14/23 02:43	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 02:43	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 02:43	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 02:43	1
Chloroethane	ND		5.0		ug/L			09/14/23 02:43	1
Chloroform	ND		5.0		ug/L			09/14/23 02:43	1
Chloromethane	ND		5.0		ug/L			09/14/23 02:43	1
cis-1,2-Dichloroethene	**12**		5.0		ug/L			09/14/23 02:43	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 02:43	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 02:43	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 02:43	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 02:43	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 02:43	1
Styrene	ND		5.0		ug/L			09/14/23 02:43	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 02:43	1
Toluene	ND		5.0		ug/L			09/14/23 02:43	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 02:43	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 02:43	1
Trichloroethene	**7.6**		5.0		ug/L			09/14/23 02:43	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 02:43	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 02:43	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 02:43	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/14/23 02:43*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/23 02:43*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 02:43*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 02:43*	*1*

Client Sample ID: MW-23
Date Collected: 09/11/23 07:55
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 03:06	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 03:06	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 03:06	1
2-Hexanone	ND		10		ug/L			09/14/23 03:06	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 03:06	1
Acetone	**12**	*+ J+	10		ug/L			09/14/23 03:06	1
Benzene	ND		5.0		ug/L			09/14/23 03:06	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 03:06	1
Bromoform	ND		5.0		ug/L			09/14/23 03:06	1
Bromomethane	ND		5.0		ug/L			09/14/23 03:06	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 03:06	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 03:06	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 03:06	1
Chloroethane	ND		5.0		ug/L			09/14/23 03:06	1
Chloroform	ND		5.0		ug/L			09/14/23 03:06	1
Chloromethane	ND		5.0		ug/L			09/14/23 03:06	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:06	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:06	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 03:06	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 03:06	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 03:06	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 03:06	1
Styrene	ND		5.0		ug/L			09/14/23 03:06	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 03:06	1
Toluene	ND		5.0		ug/L			09/14/23 03:06	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:06	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:06	1
Trichloroethene	ND		5.0		ug/L			09/14/23 03:06	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 03:06	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 03:06	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 03:06	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 03:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/14/23 03:06*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/14/23 03:06*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/14/23 03:06*	*1*

Client Sample ID: MW-24
Date Collected: 09/11/23 08:10
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200		ug/L			09/14/23 05:25	40
1,1,2,2-Tetrachloroethane	ND		200		ug/L			09/14/23 05:25	40
1,1,2-Trichloroethane	ND		200		ug/L			09/14/23 05:25	40
1,1-Dichloroethane	ND		200		ug/L			09/14/23 05:25	40
1,1-Dichloroethene	ND		200		ug/L			09/14/23 05:25	40
1,2-Dichloroethane	ND		200		ug/L			09/14/23 05:25	40
1,2-Dichloropropane	ND		200		ug/L			09/14/23 05:25	40
2-Butanone (MEK)	ND		400		ug/L			09/14/23 05:25	40
2-Hexanone	ND		400		ug/L			09/14/23 05:25	40
4-Methyl-2-pentanone (MIBK)	ND		400		ug/L			09/14/23 05:25	40
Acetone	ND	*+	400		ug/L			09/14/23 05:25	40
Benzene	ND		200		ug/L			09/14/23 05:25	40
Bromodichloromethane	ND		200		ug/L			09/14/23 05:25	40
Bromoform	ND		200		ug/L			09/14/23 05:25	40
Bromomethane	ND		200		ug/L			09/14/23 05:25	40
Carbon disulfide	ND		200		ug/L			09/14/23 05:25	40
Carbon tetrachloride	ND		200		ug/L			09/14/23 05:25	40
Chlorobenzene	ND		200		ug/L			09/14/23 05:25	40
Chloroethane	ND		200		ug/L			09/14/23 05:25	40
Chloroform	ND		200		ug/L			09/14/23 05:25	40
Chloromethane	ND		200		ug/L			09/14/23 05:25	40
cis-1,2-Dichloroethene	**23000**	**E**	200		ug/L			09/14/23 05:25	40
cis-1,3-Dichloropropene	ND		200		ug/L			09/14/23 05:25	40
Dibromochloromethane	ND		200		ug/L			09/14/23 05:25	40
Dichlorodifluoromethane	ND		200		ug/L			09/14/23 05:25	40
Ethylbenzene	ND		200		ug/L			09/14/23 05:25	40
Methylene Chloride	ND		200		ug/L			09/14/23 05:25	40
Styrene	ND		200		ug/L			09/14/23 05:25	40
Tetrachloroethene	ND		200		ug/L			09/14/23 05:25	40
Toluene	ND		200		ug/L			09/14/23 05:25	40
trans-1,2-Dichloroethene	ND		200		ug/L			09/14/23 05:25	40
trans-1,3-Dichloropropene	ND		200		ug/L			09/14/23 05:25	40
Trichloroethene	ND		200		ug/L			09/14/23 05:25	40
Trichlorofluoromethane	ND		200		ug/L			09/14/23 05:25	40
Vinyl acetate	ND		200		ug/L			09/14/23 05:25	40
Vinyl chloride	**1200**	**F1**	200		ug/L			09/14/23 05:25	40
Xylenes, Total	ND		200		ug/L			09/14/23 05:25	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/14/23 05:25*	*40*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/14/23 05:25*	*40*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/14/23 05:25*	*40*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 05:25*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000		ug/L			09/14/23 06:34	400
1,1,2,2-Tetrachloroethane	ND		2000		ug/L			09/14/23 06:34	400
1,1,2-Trichloroethane	ND		2000		ug/L			09/14/23 06:34	400
1,1-Dichloroethane	ND		2000		ug/L			09/14/23 06:34	400

Client Sample ID: MW-24
Lab Sample ID: 480-212573-5

Date Collected: 09/11/23 08:10
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		2000		ug/L			09/14/23 06:34	400
1,2-Dichloroethane	ND		2000		ug/L			09/14/23 06:34	400
1,2-Dichloropropane	ND		2000		ug/L			09/14/23 06:34	400
2-Butanone (MEK)	ND		4000		ug/L			09/14/23 06:34	400
2-Hexanone	ND		4000		ug/L			09/14/23 06:34	400
4-Methyl-2-pentanone (MIBK)	ND		4000		ug/L			09/14/23 06:34	400
Acetone	ND	*+	4000		ug/L			09/14/23 06:34	400
Benzene	ND		2000		ug/L			09/14/23 06:34	400
Bromodichloromethane	ND		2000		ug/L			09/14/23 06:34	400
Bromoform	ND		2000		ug/L			09/14/23 06:34	400
Bromomethane	ND		2000		ug/L			09/14/23 06:34	400
Carbon disulfide	ND		2000		ug/L			09/14/23 06:34	400
Carbon tetrachloride	ND		2000		ug/L			09/14/23 06:34	400
Chlorobenzene	ND		2000		ug/L			09/14/23 06:34	400
Chloroethane	ND		2000		ug/L			09/14/23 06:34	400
Chloroform	ND		2000		ug/L			09/14/23 06:34	400
Chloromethane	ND		2000		ug/L			09/14/23 06:34	400
cis-1,2-Dichloroethene	**23000**	**F1**	2000		ug/L			09/14/23 06:34	400
cis-1,3-Dichloropropene	ND		2000		ug/L			09/14/23 06:34	400
Dibromochloromethane	ND		2000		ug/L			09/14/23 06:34	400
Dichlorodifluoromethane	ND		2000		ug/L			09/14/23 06:34	400
Ethylbenzene	ND		2000		ug/L			09/14/23 06:34	400
Methylene Chloride	ND		2000		ug/L			09/14/23 06:34	400
Styrene	ND		2000		ug/L			09/14/23 06:34	400
Tetrachloroethene	ND		2000		ug/L			09/14/23 06:34	400
Toluene	ND		2000		ug/L			09/14/23 06:34	400
trans-1,2-Dichloroethene	ND		2000		ug/L			09/14/23 06:34	400
trans-1,3-Dichloropropene	ND		2000		ug/L			09/14/23 06:34	400
Trichloroethene	ND		2000		ug/L			09/14/23 06:34	400
Trichlorofluoromethane	ND		2000		ug/L			09/14/23 06:34	400
Vinyl acetate	ND		2000		ug/L			09/14/23 06:34	400
Vinyl chloride	ND		2000		ug/L			09/14/23 06:34	400
Xylenes, Total	ND		2000		ug/L			09/14/23 06:34	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*09/14/23 06:34*	*400*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/14/23 06:34*	*400*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 06:34*	*400*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/14/23 06:34*	*400*

Client Sample ID: MW-25
Lab Sample ID: 480-212573-6

Date Collected: 09/11/23 11:50
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 05:48	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 05:48	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 05:48	1
1,1-Dichloroethane	**12**		5.0		ug/L			09/14/23 05:48	1

Client Sample ID: MW-25
Date Collected: 09/11/23 11:50
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 05:48	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 05:48	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 05:48	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 05:48	1
2-Hexanone	ND		10		ug/L			09/14/23 05:48	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 05:48	1
Acetone	ND	*+	10		ug/L			09/14/23 05:48	1
Benzene	ND		5.0		ug/L			09/14/23 05:48	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 05:48	1
Bromoform	ND		5.0		ug/L			09/14/23 05:48	1
Bromomethane	ND		5.0		ug/L			09/14/23 05:48	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 05:48	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 05:48	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 05:48	1
Chloroethane	ND		5.0		ug/L			09/14/23 05:48	1
Chloroform	ND		5.0		ug/L			09/14/23 05:48	1
Chloromethane	ND		5.0		ug/L			09/14/23 05:48	1
cis-1,2-Dichloroethene	~~150~~	~~E~~ 140	5.0		ug/L			09/14/23 05:48	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 05:48	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 05:48	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 05:48	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 05:48	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 05:48	1
Styrene	ND		5.0		ug/L			09/14/23 05:48	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 05:48	1
Toluene	ND		5.0		ug/L			09/14/23 05:48	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 05:48	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 05:48	1
Trichloroethene	**6.6**		5.0		ug/L			09/14/23 05:48	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 05:48	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 05:48	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 05:48	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/23 05:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/14/23 05:48*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*09/14/23 05:48*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/14/23 05:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25		ug/L			09/14/23 06:57	5
1,1,2,2-Tetrachloroethane	ND		25		ug/L			09/14/23 06:57	5
1,1,2-Trichloroethane	ND		25		ug/L			09/14/23 06:57	5
1,1-Dichloroethane	ND		25		ug/L			09/14/23 06:57	5
1,1-Dichloroethene	ND		25		ug/L			09/14/23 06:57	5
1,2-Dichloroethane	ND		25		ug/L			09/14/23 06:57	5
1,2-Dichloropropane	ND		25		ug/L			09/14/23 06:57	5
2-Butanone (MEK)	ND		50		ug/L			09/14/23 06:57	5

Client Sample ID: MW-25
Date Collected: 09/11/23 11:50
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		50		ug/L			09/14/23 06:57	5
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/14/23 06:57	5
Acetone	ND	*+	50		ug/L			09/14/23 06:57	5
Benzene	ND		25		ug/L			09/14/23 06:57	5
Bromodichloromethane	ND		25		ug/L			09/14/23 06:57	5
Bromoform	ND		25		ug/L			09/14/23 06:57	5
Bromomethane	ND		25		ug/L			09/14/23 06:57	5
Carbon disulfide	ND		25		ug/L			09/14/23 06:57	5
Carbon tetrachloride	ND		25		ug/L			09/14/23 06:57	5
Chlorobenzene	ND		25		ug/L			09/14/23 06:57	5
Chloroethane	ND		25		ug/L			09/14/23 06:57	5
Chloroform	ND		25		ug/L			09/14/23 06:57	5
Chloromethane	ND		25		ug/L			09/14/23 06:57	5
cis-1,2-Dichloroethene	**140**		25		ug/L			09/14/23 06:57	5
cis-1,3-Dichloropropene	ND		25		ug/L			09/14/23 06:57	5
Dibromochloromethane	ND		25		ug/L			09/14/23 06:57	5
Dichlorodifluoromethane	ND		25		ug/L			09/14/23 06:57	5
Ethylbenzene	ND		25		ug/L			09/14/23 06:57	5
Methylene Chloride	ND		25		ug/L			09/14/23 06:57	5
Styrene	ND		25		ug/L			09/14/23 06:57	5
Tetrachloroethene	ND		25		ug/L			09/14/23 06:57	5
Toluene	ND		25		ug/L			09/14/23 06:57	5
trans-1,2-Dichloroethene	ND		25		ug/L			09/14/23 06:57	5
trans-1,3-Dichloropropene	ND		25		ug/L			09/14/23 06:57	5
Trichloroethene	ND		25		ug/L			09/14/23 06:57	5
Trichlorofluoromethane	ND		25		ug/L			09/14/23 06:57	5
Vinyl acetate	ND		25		ug/L			09/14/23 06:57	5
Vinyl chloride	ND		25		ug/L			09/14/23 06:57	5
Xylenes, Total	ND		25		ug/L			09/14/23 06:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/23 06:57*	*5*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/23 06:57*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 06:57*	*5*
Toluene-d8 (Surr)	*107*		*80 - 120*		*09/14/23 06:57*	*5*

Client Sample ID: MW-26
Date Collected: 09/11/23 08:40
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 06:11	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 06:11	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 06:11	1

Client Sample ID: MW-26
Date Collected: 09/11/23 08:40
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/14/23 06:11	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 06:11	1
Acetone	ND	*+	10		ug/L			09/14/23 06:11	1
Benzene	ND		5.0		ug/L			09/14/23 06:11	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 06:11	1
Bromoform	ND		5.0		ug/L			09/14/23 06:11	1
Bromomethane	ND		5.0		ug/L			09/14/23 06:11	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 06:11	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 06:11	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 06:11	1
Chloroethane	ND		5.0		ug/L			09/14/23 06:11	1
Chloroform	ND		5.0		ug/L			09/14/23 06:11	1
Chloromethane	ND		5.0		ug/L			09/14/23 06:11	1
cis-1,2-Dichloroethene	**95**		5.0		ug/L			09/14/23 06:11	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 06:11	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 06:11	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 06:11	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 06:11	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 06:11	1
Styrene	ND		5.0		ug/L			09/14/23 06:11	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 06:11	1
Toluene	ND		5.0		ug/L			09/14/23 06:11	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 06:11	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 06:11	1
Trichloroethene	**72**		5.0		ug/L			09/14/23 06:11	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 06:11	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 06:11	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 06:11	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 06:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/23 06:11*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/14/23 06:11*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/14/23 06:11*	*1*

Client Sample ID: MW-28
Date Collected: 09/11/23 09:40
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 03:29	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 03:29	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 03:29	1

Client Sample ID: MW-28
Date Collected: 09/11/23 09:40
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/14/23 03:29	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 03:29	1
Acetone	ND	*+	10		ug/L			09/14/23 03:29	1
Benzene	ND		5.0		ug/L			09/14/23 03:29	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 03:29	1
Bromoform	ND		5.0		ug/L			09/14/23 03:29	1
Bromomethane	ND		5.0		ug/L			09/14/23 03:29	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 03:29	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 03:29	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 03:29	1
Chloroethane	ND		5.0		ug/L			09/14/23 03:29	1
Chloroform	ND		5.0		ug/L			09/14/23 03:29	1
Chloromethane	ND		5.0		ug/L			09/14/23 03:29	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:29	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:29	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 03:29	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 03:29	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 03:29	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 03:29	1
Styrene	ND		5.0		ug/L			09/14/23 03:29	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 03:29	1
Toluene	ND		5.0		ug/L			09/14/23 03:29	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:29	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:29	1
Trichloroethene	**5.6**		5.0		ug/L			09/14/23 03:29	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 03:29	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 03:29	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 03:29	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*09/14/23 03:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/14/23 03:29*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/23 03:29*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 03:29*	*1*

Client Sample ID: MW-29
Date Collected: 09/11/23 09:50
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 03:52	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 03:52	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 03:52	1

Client Sample ID: MW-29
Date Collected: 09/11/23 09:50
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/14/23 03:52	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 03:52	1
Acetone	ND	*+	10		ug/L			09/14/23 03:52	1
Benzene	ND		5.0		ug/L			09/14/23 03:52	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 03:52	1
Bromoform	ND		5.0		ug/L			09/14/23 03:52	1
Bromomethane	ND		5.0		ug/L			09/14/23 03:52	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 03:52	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 03:52	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 03:52	1
Chloroethane	ND		5.0		ug/L			09/14/23 03:52	1
Chloroform	ND		5.0		ug/L			09/14/23 03:52	1
Chloromethane	ND		5.0		ug/L			09/14/23 03:52	1
cis-1,2-Dichloroethene	**100**	**E**	5.0		ug/L			09/14/23 03:52	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:52	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 03:52	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 03:52	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 03:52	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 03:52	1
Styrene	ND		5.0		ug/L			09/14/23 03:52	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 03:52	1
Toluene	ND		5.0		ug/L			09/14/23 03:52	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:52	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:52	1
Trichloroethene	ND		5.0		ug/L			09/14/23 03:52	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 03:52	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 03:52	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 03:52	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 03:52*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*09/14/23 03:52*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*09/14/23 03:52*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 03:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10		ug/L			09/14/23 19:46	2
1,1,2,2-Tetrachloroethane	ND		10		ug/L			09/14/23 19:46	2
1,1,2-Trichloroethane	ND		10		ug/L			09/14/23 19:46	2
1,1-Dichloroethane	ND		10		ug/L			09/14/23 19:46	2
1,1-Dichloroethene	ND		10		ug/L			09/14/23 19:46	2
1,2-Dichloroethane	ND		10		ug/L			09/14/23 19:46	2
1,2-Dichloropropane	ND		10		ug/L			09/14/23 19:46	2
2-Butanone (MEK)	ND		20		ug/L			09/14/23 19:46	2
2-Hexanone	ND		20		ug/L			09/14/23 19:46	2
4-Methyl-2-pentanone (MIBK)	ND		20		ug/L			09/14/23 19:46	2
Acetone	ND	*+	20		ug/L			09/14/23 19:46	2
Benzene	ND		10		ug/L			09/14/23 19:46	2

Client Sample ID: MW-29
Lab Sample ID: 480-212573-9

Date Collected: 09/11/23 09:50
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		10		ug/L			09/14/23 19:46	2
Bromoform	ND		10		ug/L			09/14/23 19:46	2
Bromomethane	ND		10		ug/L			09/14/23 19:46	2
Carbon disulfide	ND		10		ug/L			09/14/23 19:46	2
Carbon tetrachloride	ND		10		ug/L			09/14/23 19:46	2
Chlorobenzene	ND		10		ug/L			09/14/23 19:46	2
Chloroethane	ND		10		ug/L			09/14/23 19:46	2
Chloroform	ND		10		ug/L			09/14/23 19:46	2
Chloromethane	ND		10		ug/L			09/14/23 19:46	2
cis-1,2-Dichloroethene	**100**		10		ug/L			09/14/23 19:46	2
cis-1,3-Dichloropropene	ND		10		ug/L			09/14/23 19:46	2
Dibromochloromethane	ND		10		ug/L			09/14/23 19:46	2
Dichlorodifluoromethane	ND		10		ug/L			09/14/23 19:46	2
Ethylbenzene	ND		10		ug/L			09/14/23 19:46	2
Methylene Chloride	ND		10		ug/L			09/14/23 19:46	2
Styrene	ND		10		ug/L			09/14/23 19:46	2
Tetrachloroethene	ND		10		ug/L			09/14/23 19:46	2
Toluene	ND		10		ug/L			09/14/23 19:46	2
trans-1,2-Dichloroethene	ND		10		ug/L			09/14/23 19:46	2
trans-1,3-Dichloropropene	ND		10		ug/L			09/14/23 19:46	2
Trichloroethene	ND		10		ug/L			09/14/23 19:46	2
Trichlorofluoromethane	ND		10		ug/L			09/14/23 19:46	2
Vinyl acetate	ND		10		ug/L			09/14/23 19:46	2
Vinyl chloride	ND		10		ug/L			09/14/23 19:46	2
Xylenes, Total	ND		10		ug/L			09/14/23 19:46	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/14/23 19:46*	*2*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/14/23 19:46*	*2*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 19:46*	*2*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 19:46*	*2*

Client Sample ID: MW-BR-01
Lab Sample ID: 480-212573-10

Date Collected: 09/11/23 09:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 04:15	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 04:15	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 04:15	1
2-Hexanone	ND		10		ug/L			09/14/23 04:15	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 04:15	1
Acetone	ND	*+	10		ug/L			09/14/23 04:15	1
Benzene	ND		5.0		ug/L			09/14/23 04:15	1

Client Sample ID: MW-BR-01
Lab Sample ID: 480-212573-10
Date Collected: 09/11/23 09:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 04:15	1
Bromoform	ND		5.0		ug/L			09/14/23 04:15	1
Bromomethane	ND		5.0		ug/L			09/14/23 04:15	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 04:15	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 04:15	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 04:15	1
Chloroethane	ND		5.0		ug/L			09/14/23 04:15	1
Chloroform	ND		5.0		ug/L			09/14/23 04:15	1
Chloromethane	ND		5.0		ug/L			09/14/23 04:15	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 04:15	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 04:15	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 04:15	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 04:15	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 04:15	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 04:15	1
Styrene	ND		5.0		ug/L			09/14/23 04:15	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 04:15	1
Toluene	ND		5.0		ug/L			09/14/23 04:15	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 04:15	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 04:15	1
Trichloroethene	ND		5.0		ug/L			09/14/23 04:15	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 04:15	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 04:15	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 04:15	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/14/23 04:15*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/14/23 04:15*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/14/23 04:15*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 04:15*	*1*

Client Sample ID: MW-BR-02
Lab Sample ID: 480-212573-11
Date Collected: 09/11/23 09:15
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 04:38	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 04:38	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 04:38	1
2-Hexanone	ND		10		ug/L			09/14/23 04:38	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 04:38	1
Acetone	ND	*+	10		ug/L			09/14/23 04:38	1
Benzene	ND		5.0		ug/L			09/14/23 04:38	1

Client Sample ID: MW-BR-02
Lab Sample ID: 480-212573-11
Date Collected: 09/11/23 09:15
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 04:38	1
Bromoform	ND		5.0		ug/L			09/14/23 04:38	1
Bromomethane	ND		5.0		ug/L			09/14/23 04:38	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 04:38	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 04:38	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 04:38	1
Chloroethane	ND		5.0		ug/L			09/14/23 04:38	1
Chloroform	ND		5.0		ug/L			09/14/23 04:38	1
Chloromethane	ND		5.0		ug/L			09/14/23 04:38	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 04:38	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 04:38	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 04:38	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 04:38	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 04:38	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 04:38	1
Styrene	ND		5.0		ug/L			09/14/23 04:38	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 04:38	1
Toluene	ND		5.0		ug/L			09/14/23 04:38	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 04:38	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 04:38	1
Trichloroethene	ND		5.0		ug/L			09/14/23 04:38	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 04:38	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 04:38	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 04:38	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*09/14/23 04:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/14/23 04:38*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/14/23 04:38*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/14/23 04:38*	*1*

Client Sample ID: MW-BR-04
Lab Sample ID: 480-212573-12
Date Collected: 09/11/23 12:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 05:01	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 05:01	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 05:01	1
2-Hexanone	ND		10		ug/L			09/14/23 05:01	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 05:01	1
Acetone	ND	*+	10		ug/L			09/14/23 05:01	1
Benzene	ND		5.0		ug/L			09/14/23 05:01	1

Client Sample ID: MW-BR-04
Lab Sample ID: 480-212573-12
Date Collected: 09/11/23 12:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 05:01	1
Bromoform	ND		5.0		ug/L			09/14/23 05:01	1
Bromomethane	ND		5.0		ug/L			09/14/23 05:01	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 05:01	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 05:01	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 05:01	1
Chloroethane	ND		5.0		ug/L			09/14/23 05:01	1
Chloroform	ND		5.0		ug/L			09/14/23 05:01	1
Chloromethane	ND		5.0		ug/L			09/14/23 05:01	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 05:01	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 05:01	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 05:01	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 05:01	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 05:01	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 05:01	1
Styrene	ND		5.0		ug/L			09/14/23 05:01	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 05:01	1
Toluene	ND		5.0		ug/L			09/14/23 05:01	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 05:01	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 05:01	1
Trichloroethene	ND		5.0		ug/L			09/14/23 05:01	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 05:01	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 05:01	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 05:01	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/14/23 05:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/23 05:01*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 05:01*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 05:01*	*1*

Client Sample ID: MW-BR-06
Lab Sample ID: 480-212573-13
Date Collected: 09/11/23 08:50
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 16:40	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 16:40	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 16:40	1
2-Hexanone	ND		10		ug/L			09/14/23 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 16:40	1
Acetone	ND	*+	10		ug/L			09/14/23 16:40	1
Benzene	ND		5.0		ug/L			09/14/23 16:40	1

Client Sample ID: MW-BR-06
Lab Sample ID: 480-212573-13
Date Collected: 09/11/23 08:50
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 16:40	1
Bromoform	ND		5.0		ug/L			09/14/23 16:40	1
Bromomethane	ND		5.0		ug/L			09/14/23 16:40	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 16:40	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 16:40	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 16:40	1
Chloroethane	ND		5.0		ug/L			09/14/23 16:40	1
Chloroform	ND		5.0		ug/L			09/14/23 16:40	1
Chloromethane	ND		5.0		ug/L			09/14/23 16:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 16:40	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 16:40	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 16:40	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 16:40	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 16:40	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 16:40	1
Styrene	ND		5.0		ug/L			09/14/23 16:40	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 16:40	1
Toluene	ND		5.0		ug/L			09/14/23 16:40	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 16:40	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 16:40	1
Trichloroethene	ND		5.0		ug/L			09/14/23 16:40	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 16:40	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 16:40	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 16:40	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 16:40*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/14/23 16:40*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/23 16:40*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 16:40*	*1*

Client Sample ID: DUP-091123
Lab Sample ID: 480-212573-14
Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 17:04	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 17:04	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 17:04	1
1,1-Dichloroethane	**12**		5.0		ug/L			09/14/23 17:04	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 17:04	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 17:04	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 17:04	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 17:04	1
2-Hexanone	ND		10		ug/L			09/14/23 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 17:04	1
Acetone	ND	*+	10		ug/L			09/14/23 17:04	1
Benzene	ND		5.0		ug/L			09/14/23 17:04	1

Client Sample ID: DUP-091123
Lab Sample ID: 480-212573-14

Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 17:04	1
Bromoform	ND		5.0		ug/L			09/14/23 17:04	1
Bromomethane	ND		5.0		ug/L			09/14/23 17:04	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 17:04	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 17:04	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 17:04	1
Chloroethane	ND		5.0		ug/L			09/14/23 17:04	1
Chloroform	ND		5.0		ug/L			09/14/23 17:04	1
Chloromethane	ND		5.0		ug/L			09/14/23 17:04	1
cis-1,2-Dichloroethene	~~150~~ ~~E~~	130	5.0		ug/L			09/14/23 17:04	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 17:04	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 17:04	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 17:04	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 17:04	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 17:04	1
Styrene	ND		5.0		ug/L			09/14/23 17:04	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 17:04	1
Toluene	ND		5.0		ug/L			09/14/23 17:04	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 17:04	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 17:04	1
Trichloroethene	**6.8**		5.0		ug/L			09/14/23 17:04	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 17:04	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 17:04	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 17:04	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 17:04*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/23 17:04*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/23 17:04*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/14/23 17:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20		ug/L			09/15/23 23:36	4
1,1,2,2-Tetrachloroethane	ND		20		ug/L			09/15/23 23:36	4
1,1,2-Trichloroethane	ND		20		ug/L			09/15/23 23:36	4
1,1-Dichloroethane	ND		20		ug/L			09/15/23 23:36	4
1,1-Dichloroethene	ND		20		ug/L			09/15/23 23:36	4
1,2-Dichloroethane	ND		20		ug/L			09/15/23 23:36	4
1,2-Dichloropropane	ND		20		ug/L			09/15/23 23:36	4
2-Butanone (MEK)	ND		40		ug/L			09/15/23 23:36	4
2-Hexanone	ND		40		ug/L			09/15/23 23:36	4
4-Methyl-2-pentanone (MIBK)	ND		40		ug/L			09/15/23 23:36	4
Acetone	ND	*+	40		ug/L			09/15/23 23:36	4
Benzene	ND		20		ug/L			09/15/23 23:36	4
Bromodichloromethane	ND		20		ug/L			09/15/23 23:36	4
Bromoform	ND		20		ug/L			09/15/23 23:36	4
Bromomethane	ND		20		ug/L			09/15/23 23:36	4
Carbon disulfide	ND		20		ug/L			09/15/23 23:36	4

Client Sample ID: DUP-091123
Lab Sample ID: 480-212573-14

Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		20		ug/L			09/15/23 23:36	4
Chlorobenzene	ND		20		ug/L			09/15/23 23:36	4
Chloroethane	ND		20		ug/L			09/15/23 23:36	4
Chloroform	ND		20		ug/L			09/15/23 23:36	4
Chloromethane	ND		20		ug/L			09/15/23 23:36	4
cis-1,2-Dichloroethene	**130**	**F1**	20		ug/L			09/15/23 23:36	4
cis-1,3-Dichloropropene	ND		20		ug/L			09/15/23 23:36	4
Dibromochloromethane	ND		20		ug/L			09/15/23 23:36	4
Dichlorodifluoromethane	ND		20		ug/L			09/15/23 23:36	4
Ethylbenzene	ND		20		ug/L			09/15/23 23:36	4
Methylene Chloride	ND		20		ug/L			09/15/23 23:36	4
Styrene	ND		20		ug/L			09/15/23 23:36	4
Tetrachloroethene	ND		20		ug/L			09/15/23 23:36	4
Toluene	ND		20		ug/L			09/15/23 23:36	4
trans-1,2-Dichloroethene	ND		20		ug/L			09/15/23 23:36	4
trans-1,3-Dichloropropene	ND		20		ug/L			09/15/23 23:36	4
Trichloroethene	ND		20		ug/L			09/15/23 23:36	4
Trichlorofluoromethane	ND		20		ug/L			09/15/23 23:36	4
Vinyl acetate	ND		20		ug/L			09/15/23 23:36	4
Vinyl chloride	ND		20		ug/L			09/15/23 23:36	4
Xylenes, Total	ND		20		ug/L			09/15/23 23:36	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/15/23 23:36*	*4*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/15/23 23:36*	*4*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/15/23 23:36*	*4*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/15/23 23:36*	*4*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-212573-15

Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 17:27	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 17:27	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 17:27	1
2-Hexanone	ND		10		ug/L			09/14/23 17:27	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 17:27	1
Acetone	ND	*+	10		ug/L			09/14/23 17:27	1
Benzene	ND		5.0		ug/L			09/14/23 17:27	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 17:27	1
Bromoform	ND		5.0		ug/L			09/14/23 17:27	1
Bromomethane	ND		5.0		ug/L			09/14/23 17:27	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 17:27	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-212573-15

Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 17:27	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 17:27	1
Chloroethane	ND		5.0		ug/L			09/14/23 17:27	1
Chloroform	ND		5.0		ug/L			09/14/23 17:27	1
Chloromethane	ND		5.0		ug/L			09/14/23 17:27	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 17:27	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 17:27	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 17:27	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 17:27	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 17:27	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 17:27	1
Styrene	ND		5.0		ug/L			09/14/23 17:27	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 17:27	1
Toluene	ND		5.0		ug/L			09/14/23 17:27	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 17:27	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 17:27	1
Trichloroethene	ND		5.0		ug/L			09/14/23 17:27	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 17:27	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 17:27	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 17:27	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/14/23 17:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/14/23 17:27*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 17:27*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*09/14/23 17:27*	*1*

Data Validation Services

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

October 25, 2023

Mark Flusche
Arcadis of New York
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. 480-212573-1

Dear Mr. Flusche:

Review has been completed for the data package generated by Eurofins TestAmerica Laboratories that pertains to samples collected 09/11/23 at Seneca Falls, NY. Thirteen 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 either as reported or with minor qualification.

Validation data qualifier definitions, sample identifications, and the laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also included are laboratory results forms, edited in red to reflect the qualifier recommended in this report.

VOA Analyses by EPA 8260D

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.

The detected result for acetone in MW-23 is qualified as estimated, with a high bias, due to elevated recovery (148%) of that analyte in the associated LCS.

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 within validation guidelines.

Surrogate and internal standard responses are within required range, and holding times were met. Blanks show no contamination. Calibration standards show responses within validation guidelines.

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: Validation Data Qualifier Definitions
Sample Identifications
Laboratory Case Narrative
Laboratory Sample Results

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Identification Summary

Sample Summary

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

Job ID: 480-212573-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-212573-1	MW-1	Water	09/11/23 10:00	09/12/23 10:30
480-212573-2	MW-20	Water	09/11/23 09:30	09/12/23 10:30
480-212573-3	MW-22	Water	09/11/23 10:20	09/12/23 10:30
480-212573-4	MW-23	Water	09/11/23 07:55	09/12/23 10:30
480-212573-5	MW-24	Water	09/11/23 08:10	09/12/23 10:30
480-212573-6	MW-25	Water	09/11/23 11:50	09/12/23 10:30
480-212573-7	MW-26	Water	09/11/23 08:40	09/12/23 10:30
480-212573-8	MW-28	Water	09/11/23 09:40	09/12/23 10:30
480-212573-9	MW-29	Water	09/11/23 09:50	09/12/23 10:30
480-212573-10	MW-BR-01	Water	09/11/23 09:00	09/12/23 10:30
480-212573-11	MW-BR-02	Water	09/11/23 09:15	09/12/23 10:30
480-212573-12	MW-BR-04	Water	09/11/23 12:00	09/12/23 10:30
480-212573-13	MW-BR-06	Water	09/11/23 08:50	09/12/23 10:30
480-212573-14	DUP-091123	Water	09/11/23 00:00	09/12/23 10:30
480-212573-15	TRIP BLANK	Water	09/11/23 00:00	09/12/23 10:30

Laboratory Case Narrative

Job Narrative
480-212573-1

Receipt
The samples were received on 9/12/2023 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 2.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-683359 recovered above the upper control limit for 1,1-Dichloroethene, Carbon disulfide and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW-24 (480-212573-5).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-683359 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated sample is impacted: MW-24 (480-212573-5).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-683359 recovered above the upper control limit for 1,1-Dichloroethene, Carbon disulfide, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-1 (480-212573-1), MW-20 (480-212573-2), MW-22 (480-212573-3), MW-23 (480-212573-4), MW-24 (480-212573-5), MW-25 (480-212573-6), MW-26 (480-212573-7), MW-28 (480-212573-8), MW-29 (480-212573-9), MW-BR-01 (480-212573-10), MW-BR-02 (480-212573-11) and MW-BR-04 (480-212573-12).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-683359 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW-1 (480-212573-1), MW-20 (480-212573-2), MW-22 (480-212573-3), MW-24 (480-212573-5), MW-25 (480-212573-6), MW-26 (480-212573-7), MW-28 (480-212573-8), MW-29 (480-212573-9), MW-BR-01 (480-212573-10), MW-BR-02 (480-212573-11) and MW-BR-04 (480-212573-12).

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-683359 recovered outside control limits for the following analyte(s): Acetone. Acetone has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified. The associated sample is impacted: MW-23 (480-212573-4).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-24 (480-212573-5), MW-24 (480-212573-5[MS]), MW-24 (480-212573-5[MSD]) and MW-25 (480-212573-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-683500 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW-29 (480-212573-9), MW-BR-06 (480-212573-13), DUP-091123 (480-212573-14) and TRIP BLANK (480-212573-15).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-29 (480-212573-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-091123 (480-212573-14), (480-212573-C-14 MS) and (480-212573-C-14 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-683675 recovered above the upper control limit for Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: DUP-091123 (480-212573-14).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-683675 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is impacted: DUP-091123 (480-212573-14).

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

Qualified Laboratory Results Forms

Client Sample ID: MW-1
Date Collected: 09/11/23 10:00
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 01:56	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 01:56	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 01:56	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 01:56	1
2-Hexanone	ND		10		ug/L			09/14/23 01:56	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 01:56	1
Acetone	ND	*+	10		ug/L			09/14/23 01:56	1
Benzene	ND		5.0		ug/L			09/14/23 01:56	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 01:56	1
Bromoform	ND		5.0		ug/L			09/14/23 01:56	1
Bromomethane	ND		5.0		ug/L			09/14/23 01:56	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 01:56	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 01:56	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 01:56	1
Chloroethane	ND		5.0		ug/L			09/14/23 01:56	1
Chloroform	ND		5.0		ug/L			09/14/23 01:56	1
Chloromethane	ND		5.0		ug/L			09/14/23 01:56	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 01:56	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 01:56	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 01:56	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 01:56	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 01:56	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 01:56	1
Styrene	ND		5.0		ug/L			09/14/23 01:56	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 01:56	1
Toluene	ND		5.0		ug/L			09/14/23 01:56	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 01:56	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 01:56	1
Trichloroethene	ND		5.0		ug/L			09/14/23 01:56	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 01:56	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 01:56	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 01:56	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/23 01:56*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/23 01:56*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/23 01:56*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/14/23 01:56*	*1*

Client Sample ID: MW-20
Date Collected: 09/11/23 09:30
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 02:19	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 02:19	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 02:19	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 02:19	1
2-Hexanone	ND		10		ug/L			09/14/23 02:19	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 02:19	1
Acetone	ND	*+	10		ug/L			09/14/23 02:19	1
Benzene	ND		5.0		ug/L			09/14/23 02:19	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 02:19	1
Bromoform	ND		5.0		ug/L			09/14/23 02:19	1
Bromomethane	ND		5.0		ug/L			09/14/23 02:19	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 02:19	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 02:19	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 02:19	1
Chloroethane	ND		5.0		ug/L			09/14/23 02:19	1
Chloroform	ND		5.0		ug/L			09/14/23 02:19	1
Chloromethane	ND		5.0		ug/L			09/14/23 02:19	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 02:19	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 02:19	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 02:19	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 02:19	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 02:19	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 02:19	1
Styrene	ND		5.0		ug/L			09/14/23 02:19	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 02:19	1
Toluene	ND		5.0		ug/L			09/14/23 02:19	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 02:19	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 02:19	1
Trichloroethene	ND		5.0		ug/L			09/14/23 02:19	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 02:19	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 02:19	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 02:19	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/14/23 02:19*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/23 02:19*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/14/23 02:19*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/14/23 02:19*	*1*

Client Sample ID: MW-22
Date Collected: 09/11/23 10:20
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 02:43	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 02:43	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 02:43	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 02:43	1
2-Hexanone	ND		10		ug/L			09/14/23 02:43	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 02:43	1
Acetone	ND	*+	10		ug/L			09/14/23 02:43	1
Benzene	ND		5.0		ug/L			09/14/23 02:43	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 02:43	1
Bromoform	ND		5.0		ug/L			09/14/23 02:43	1
Bromomethane	ND		5.0		ug/L			09/14/23 02:43	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 02:43	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 02:43	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 02:43	1
Chloroethane	ND		5.0		ug/L			09/14/23 02:43	1
Chloroform	ND		5.0		ug/L			09/14/23 02:43	1
Chloromethane	ND		5.0		ug/L			09/14/23 02:43	1
cis-1,2-Dichloroethene	**12**		5.0		ug/L			09/14/23 02:43	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 02:43	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 02:43	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 02:43	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 02:43	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 02:43	1
Styrene	ND		5.0		ug/L			09/14/23 02:43	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 02:43	1
Toluene	ND		5.0		ug/L			09/14/23 02:43	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 02:43	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 02:43	1
Trichloroethene	**7.6**		5.0		ug/L			09/14/23 02:43	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 02:43	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 02:43	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 02:43	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/14/23 02:43*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/23 02:43*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 02:43*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 02:43*	*1*

Client Sample ID: MW-23
Date Collected: 09/11/23 07:55
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 03:06	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 03:06	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 03:06	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 03:06	1
2-Hexanone	ND		10		ug/L			09/14/23 03:06	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 03:06	1
Acetone	**12**	*+ J+	10		ug/L			09/14/23 03:06	1
Benzene	ND		5.0		ug/L			09/14/23 03:06	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 03:06	1
Bromoform	ND		5.0		ug/L			09/14/23 03:06	1
Bromomethane	ND		5.0		ug/L			09/14/23 03:06	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 03:06	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 03:06	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 03:06	1
Chloroethane	ND		5.0		ug/L			09/14/23 03:06	1
Chloroform	ND		5.0		ug/L			09/14/23 03:06	1
Chloromethane	ND		5.0		ug/L			09/14/23 03:06	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:06	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:06	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 03:06	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 03:06	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 03:06	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 03:06	1
Styrene	ND		5.0		ug/L			09/14/23 03:06	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 03:06	1
Toluene	ND		5.0		ug/L			09/14/23 03:06	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:06	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:06	1
Trichloroethene	ND		5.0		ug/L			09/14/23 03:06	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 03:06	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 03:06	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 03:06	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 03:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/14/23 03:06*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/14/23 03:06*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/14/23 03:06*	*1*

Client Sample ID: MW-24
Date Collected: 09/11/23 08:10
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200		ug/L			09/14/23 05:25	40
1,1,2,2-Tetrachloroethane	ND		200		ug/L			09/14/23 05:25	40
1,1,2-Trichloroethane	ND		200		ug/L			09/14/23 05:25	40
1,1-Dichloroethane	ND		200		ug/L			09/14/23 05:25	40
1,1-Dichloroethene	ND		200		ug/L			09/14/23 05:25	40
1,2-Dichloroethane	ND		200		ug/L			09/14/23 05:25	40
1,2-Dichloropropane	ND		200		ug/L			09/14/23 05:25	40
2-Butanone (MEK)	ND		400		ug/L			09/14/23 05:25	40
2-Hexanone	ND		400		ug/L			09/14/23 05:25	40
4-Methyl-2-pentanone (MIBK)	ND		400		ug/L			09/14/23 05:25	40
Acetone	ND	*+	400		ug/L			09/14/23 05:25	40
Benzene	ND		200		ug/L			09/14/23 05:25	40
Bromodichloromethane	ND		200		ug/L			09/14/23 05:25	40
Bromoform	ND		200		ug/L			09/14/23 05:25	40
Bromomethane	ND		200		ug/L			09/14/23 05:25	40
Carbon disulfide	ND		200		ug/L			09/14/23 05:25	40
Carbon tetrachloride	ND		200		ug/L			09/14/23 05:25	40
Chlorobenzene	ND		200		ug/L			09/14/23 05:25	40
Chloroethane	ND		200		ug/L			09/14/23 05:25	40
Chloroform	ND		200		ug/L			09/14/23 05:25	40
Chloromethane	ND		200		ug/L			09/14/23 05:25	40
cis-1,2-Dichloroethene	**23000**	**E**	200		ug/L			09/14/23 05:25	40
cis-1,3-Dichloropropene	ND		200		ug/L			09/14/23 05:25	40
Dibromochloromethane	ND		200		ug/L			09/14/23 05:25	40
Dichlorodifluoromethane	ND		200		ug/L			09/14/23 05:25	40
Ethylbenzene	ND		200		ug/L			09/14/23 05:25	40
Methylene Chloride	ND		200		ug/L			09/14/23 05:25	40
Styrene	ND		200		ug/L			09/14/23 05:25	40
Tetrachloroethene	ND		200		ug/L			09/14/23 05:25	40
Toluene	ND		200		ug/L			09/14/23 05:25	40
trans-1,2-Dichloroethene	ND		200		ug/L			09/14/23 05:25	40
trans-1,3-Dichloropropene	ND		200		ug/L			09/14/23 05:25	40
Trichloroethene	ND		200		ug/L			09/14/23 05:25	40
Trichlorofluoromethane	ND		200		ug/L			09/14/23 05:25	40
Vinyl acetate	ND		200		ug/L			09/14/23 05:25	40
Vinyl chloride	**1200**	**F1**	200		ug/L			09/14/23 05:25	40
Xylenes, Total	ND		200		ug/L			09/14/23 05:25	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/14/23 05:25*	*40*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/14/23 05:25*	*40*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/14/23 05:25*	*40*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 05:25*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000		ug/L			09/14/23 06:34	400
1,1,2,2-Tetrachloroethane	ND		2000		ug/L			09/14/23 06:34	400
1,1,2-Trichloroethane	ND		2000		ug/L			09/14/23 06:34	400
1,1-Dichloroethane	ND		2000		ug/L			09/14/23 06:34	400

Client Sample ID: MW-24
Lab Sample ID: 480-212573-5

Date Collected: 09/11/23 08:10
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		2000		ug/L			09/14/23 06:34	400
1,2-Dichloroethane	ND		2000		ug/L			09/14/23 06:34	400
1,2-Dichloropropane	ND		2000		ug/L			09/14/23 06:34	400
2-Butanone (MEK)	ND		4000		ug/L			09/14/23 06:34	400
2-Hexanone	ND		4000		ug/L			09/14/23 06:34	400
4-Methyl-2-pentanone (MIBK)	ND		4000		ug/L			09/14/23 06:34	400
Acetone	ND	*+	4000		ug/L			09/14/23 06:34	400
Benzene	ND		2000		ug/L			09/14/23 06:34	400
Bromodichloromethane	ND		2000		ug/L			09/14/23 06:34	400
Bromoform	ND		2000		ug/L			09/14/23 06:34	400
Bromomethane	ND		2000		ug/L			09/14/23 06:34	400
Carbon disulfide	ND		2000		ug/L			09/14/23 06:34	400
Carbon tetrachloride	ND		2000		ug/L			09/14/23 06:34	400
Chlorobenzene	ND		2000		ug/L			09/14/23 06:34	400
Chloroethane	ND		2000		ug/L			09/14/23 06:34	400
Chloroform	ND		2000		ug/L			09/14/23 06:34	400
Chloromethane	ND		2000		ug/L			09/14/23 06:34	400
cis-1,2-Dichloroethene	**23000**	**F1**	2000		ug/L			09/14/23 06:34	400
cis-1,3-Dichloropropene	ND		2000		ug/L			09/14/23 06:34	400
Dibromochloromethane	ND		2000		ug/L			09/14/23 06:34	400
Dichlorodifluoromethane	ND		2000		ug/L			09/14/23 06:34	400
Ethylbenzene	ND		2000		ug/L			09/14/23 06:34	400
Methylene Chloride	ND		2000		ug/L			09/14/23 06:34	400
Styrene	ND		2000		ug/L			09/14/23 06:34	400
Tetrachloroethene	ND		2000		ug/L			09/14/23 06:34	400
Toluene	ND		2000		ug/L			09/14/23 06:34	400
trans-1,2-Dichloroethene	ND		2000		ug/L			09/14/23 06:34	400
trans-1,3-Dichloropropene	ND		2000		ug/L			09/14/23 06:34	400
Trichloroethene	ND		2000		ug/L			09/14/23 06:34	400
Trichlorofluoromethane	ND		2000		ug/L			09/14/23 06:34	400
Vinyl acetate	ND		2000		ug/L			09/14/23 06:34	400
Vinyl chloride	ND		2000		ug/L			09/14/23 06:34	400
Xylenes, Total	ND		2000		ug/L			09/14/23 06:34	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*09/14/23 06:34*	*400*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/14/23 06:34*	*400*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 06:34*	*400*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/14/23 06:34*	*400*

Client Sample ID: MW-25
Lab Sample ID: 480-212573-6

Date Collected: 09/11/23 11:50
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 05:48	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 05:48	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 05:48	1
1,1-Dichloroethane	**12**		5.0		ug/L			09/14/23 05:48	1

Client Sample ID: MW-25
Date Collected: 09/11/23 11:50
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 05:48	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 05:48	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 05:48	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 05:48	1
2-Hexanone	ND		10		ug/L			09/14/23 05:48	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 05:48	1
Acetone	ND	*+	10		ug/L			09/14/23 05:48	1
Benzene	ND		5.0		ug/L			09/14/23 05:48	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 05:48	1
Bromoform	ND		5.0		ug/L			09/14/23 05:48	1
Bromomethane	ND		5.0		ug/L			09/14/23 05:48	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 05:48	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 05:48	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 05:48	1
Chloroethane	ND		5.0		ug/L			09/14/23 05:48	1
Chloroform	ND		5.0		ug/L			09/14/23 05:48	1
Chloromethane	ND		5.0		ug/L			09/14/23 05:48	1
cis-1,2-Dichloroethene	~~150~~	~~E~~ 140	5.0		ug/L			09/14/23 05:48	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 05:48	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 05:48	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 05:48	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 05:48	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 05:48	1
Styrene	ND		5.0		ug/L			09/14/23 05:48	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 05:48	1
Toluene	ND		5.0		ug/L			09/14/23 05:48	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 05:48	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 05:48	1
Trichloroethene	**6.6**		5.0		ug/L			09/14/23 05:48	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 05:48	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 05:48	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 05:48	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/23 05:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/14/23 05:48*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*09/14/23 05:48*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/14/23 05:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25		ug/L			09/14/23 06:57	5
1,1,2,2-Tetrachloroethane	ND		25		ug/L			09/14/23 06:57	5
1,1,2-Trichloroethane	ND		25		ug/L			09/14/23 06:57	5
1,1-Dichloroethane	ND		25		ug/L			09/14/23 06:57	5
1,1-Dichloroethene	ND		25		ug/L			09/14/23 06:57	5
1,2-Dichloroethane	ND		25		ug/L			09/14/23 06:57	5
1,2-Dichloropropane	ND		25		ug/L			09/14/23 06:57	5
2-Butanone (MEK)	ND		50		ug/L			09/14/23 06:57	5

Client Sample ID: MW-25
Date Collected: 09/11/23 11:50
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		50		ug/L			09/14/23 06:57	5
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/14/23 06:57	5
Acetone	ND	*+	50		ug/L			09/14/23 06:57	5
Benzene	ND		25		ug/L			09/14/23 06:57	5
Bromodichloromethane	ND		25		ug/L			09/14/23 06:57	5
Bromoform	ND		25		ug/L			09/14/23 06:57	5
Bromomethane	ND		25		ug/L			09/14/23 06:57	5
Carbon disulfide	ND		25		ug/L			09/14/23 06:57	5
Carbon tetrachloride	ND		25		ug/L			09/14/23 06:57	5
Chlorobenzene	ND		25		ug/L			09/14/23 06:57	5
Chloroethane	ND		25		ug/L			09/14/23 06:57	5
Chloroform	ND		25		ug/L			09/14/23 06:57	5
Chloromethane	ND		25		ug/L			09/14/23 06:57	5
cis-1,2-Dichloroethene	**140**		25		ug/L			09/14/23 06:57	5
cis-1,3-Dichloropropene	ND		25		ug/L			09/14/23 06:57	5
Dibromochloromethane	ND		25		ug/L			09/14/23 06:57	5
Dichlorodifluoromethane	ND		25		ug/L			09/14/23 06:57	5
Ethylbenzene	ND		25		ug/L			09/14/23 06:57	5
Methylene Chloride	ND		25		ug/L			09/14/23 06:57	5
Styrene	ND		25		ug/L			09/14/23 06:57	5
Tetrachloroethene	ND		25		ug/L			09/14/23 06:57	5
Toluene	ND		25		ug/L			09/14/23 06:57	5
trans-1,2-Dichloroethene	ND		25		ug/L			09/14/23 06:57	5
trans-1,3-Dichloropropene	ND		25		ug/L			09/14/23 06:57	5
Trichloroethene	ND		25		ug/L			09/14/23 06:57	5
Trichlorofluoromethane	ND		25		ug/L			09/14/23 06:57	5
Vinyl acetate	ND		25		ug/L			09/14/23 06:57	5
Vinyl chloride	ND		25		ug/L			09/14/23 06:57	5
Xylenes, Total	ND		25		ug/L			09/14/23 06:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/23 06:57*	*5*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/23 06:57*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 06:57*	*5*
Toluene-d8 (Surr)	*107*		*80 - 120*		*09/14/23 06:57*	*5*

Client Sample ID: MW-26
Date Collected: 09/11/23 08:40
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 06:11	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 06:11	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 06:11	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 06:11	1

Client Sample ID: MW-26
Date Collected: 09/11/23 08:40
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/14/23 06:11	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 06:11	1
Acetone	ND	*+	10		ug/L			09/14/23 06:11	1
Benzene	ND		5.0		ug/L			09/14/23 06:11	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 06:11	1
Bromoform	ND		5.0		ug/L			09/14/23 06:11	1
Bromomethane	ND		5.0		ug/L			09/14/23 06:11	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 06:11	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 06:11	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 06:11	1
Chloroethane	ND		5.0		ug/L			09/14/23 06:11	1
Chloroform	ND		5.0		ug/L			09/14/23 06:11	1
Chloromethane	ND		5.0		ug/L			09/14/23 06:11	1
cis-1,2-Dichloroethene	**95**		5.0		ug/L			09/14/23 06:11	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 06:11	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 06:11	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 06:11	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 06:11	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 06:11	1
Styrene	ND		5.0		ug/L			09/14/23 06:11	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 06:11	1
Toluene	ND		5.0		ug/L			09/14/23 06:11	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 06:11	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 06:11	1
Trichloroethene	**72**		5.0		ug/L			09/14/23 06:11	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 06:11	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 06:11	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 06:11	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 06:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/23 06:11*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/14/23 06:11*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/14/23 06:11*	*1*

Client Sample ID: MW-28
Date Collected: 09/11/23 09:40
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 03:29	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 03:29	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 03:29	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 03:29	1

Client Sample ID: MW-28
Date Collected: 09/11/23 09:40
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/14/23 03:29	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 03:29	1
Acetone	ND	*+	10		ug/L			09/14/23 03:29	1
Benzene	ND		5.0		ug/L			09/14/23 03:29	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 03:29	1
Bromoform	ND		5.0		ug/L			09/14/23 03:29	1
Bromomethane	ND		5.0		ug/L			09/14/23 03:29	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 03:29	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 03:29	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 03:29	1
Chloroethane	ND		5.0		ug/L			09/14/23 03:29	1
Chloroform	ND		5.0		ug/L			09/14/23 03:29	1
Chloromethane	ND		5.0		ug/L			09/14/23 03:29	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:29	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:29	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 03:29	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 03:29	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 03:29	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 03:29	1
Styrene	ND		5.0		ug/L			09/14/23 03:29	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 03:29	1
Toluene	ND		5.0		ug/L			09/14/23 03:29	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:29	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:29	1
Trichloroethene	**5.6**		5.0		ug/L			09/14/23 03:29	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 03:29	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 03:29	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 03:29	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*09/14/23 03:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/14/23 03:29*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/23 03:29*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 03:29*	*1*

Client Sample ID: MW-29
Date Collected: 09/11/23 09:50
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 03:52	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 03:52	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 03:52	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 03:52	1

Client Sample ID: MW-29
Date Collected: 09/11/23 09:50
Date Received: 09/12/23 10:30

Lab Sample ID: 480-212573-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/14/23 03:52	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 03:52	1
Acetone	ND	*+	10		ug/L			09/14/23 03:52	1
Benzene	ND		5.0		ug/L			09/14/23 03:52	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 03:52	1
Bromoform	ND		5.0		ug/L			09/14/23 03:52	1
Bromomethane	ND		5.0		ug/L			09/14/23 03:52	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 03:52	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 03:52	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 03:52	1
Chloroethane	ND		5.0		ug/L			09/14/23 03:52	1
Chloroform	ND		5.0		ug/L			09/14/23 03:52	1
Chloromethane	ND		5.0		ug/L			09/14/23 03:52	1
cis-1,2-Dichloroethene	**100**	**E**	5.0		ug/L			09/14/23 03:52	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:52	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 03:52	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 03:52	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 03:52	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 03:52	1
Styrene	ND		5.0		ug/L			09/14/23 03:52	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 03:52	1
Toluene	ND		5.0		ug/L			09/14/23 03:52	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 03:52	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 03:52	1
Trichloroethene	ND		5.0		ug/L			09/14/23 03:52	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 03:52	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 03:52	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 03:52	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 03:52*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*09/14/23 03:52*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*09/14/23 03:52*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 03:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10		ug/L			09/14/23 19:46	2
1,1,2,2-Tetrachloroethane	ND		10		ug/L			09/14/23 19:46	2
1,1,2-Trichloroethane	ND		10		ug/L			09/14/23 19:46	2
1,1-Dichloroethane	ND		10		ug/L			09/14/23 19:46	2
1,1-Dichloroethene	ND		10		ug/L			09/14/23 19:46	2
1,2-Dichloroethane	ND		10		ug/L			09/14/23 19:46	2
1,2-Dichloropropane	ND		10		ug/L			09/14/23 19:46	2
2-Butanone (MEK)	ND		20		ug/L			09/14/23 19:46	2
2-Hexanone	ND		20		ug/L			09/14/23 19:46	2
4-Methyl-2-pentanone (MIBK)	ND		20		ug/L			09/14/23 19:46	2
Acetone	ND	*+	20		ug/L			09/14/23 19:46	2
Benzene	ND		10		ug/L			09/14/23 19:46	2

Client Sample ID: MW-29
Lab Sample ID: 480-212573-9

Date Collected: 09/11/23 09:50
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		10		ug/L			09/14/23 19:46	2
Bromoform	ND		10		ug/L			09/14/23 19:46	2
Bromomethane	ND		10		ug/L			09/14/23 19:46	2
Carbon disulfide	ND		10		ug/L			09/14/23 19:46	2
Carbon tetrachloride	ND		10		ug/L			09/14/23 19:46	2
Chlorobenzene	ND		10		ug/L			09/14/23 19:46	2
Chloroethane	ND		10		ug/L			09/14/23 19:46	2
Chloroform	ND		10		ug/L			09/14/23 19:46	2
Chloromethane	ND		10		ug/L			09/14/23 19:46	2
cis-1,2-Dichloroethene	**100**		10		ug/L			09/14/23 19:46	2
cis-1,3-Dichloropropene	ND		10		ug/L			09/14/23 19:46	2
Dibromochloromethane	ND		10		ug/L			09/14/23 19:46	2
Dichlorodifluoromethane	ND		10		ug/L			09/14/23 19:46	2
Ethylbenzene	ND		10		ug/L			09/14/23 19:46	2
Methylene Chloride	ND		10		ug/L			09/14/23 19:46	2
Styrene	ND		10		ug/L			09/14/23 19:46	2
Tetrachloroethene	ND		10		ug/L			09/14/23 19:46	2
Toluene	ND		10		ug/L			09/14/23 19:46	2
trans-1,2-Dichloroethene	ND		10		ug/L			09/14/23 19:46	2
trans-1,3-Dichloropropene	ND		10		ug/L			09/14/23 19:46	2
Trichloroethene	ND		10		ug/L			09/14/23 19:46	2
Trichlorofluoromethane	ND		10		ug/L			09/14/23 19:46	2
Vinyl acetate	ND		10		ug/L			09/14/23 19:46	2
Vinyl chloride	ND		10		ug/L			09/14/23 19:46	2
Xylenes, Total	ND		10		ug/L			09/14/23 19:46	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/14/23 19:46*	*2*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/14/23 19:46*	*2*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 19:46*	*2*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 19:46*	*2*

Client Sample ID: MW-BR-01
Lab Sample ID: 480-212573-10

Date Collected: 09/11/23 09:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 04:15	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 04:15	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 04:15	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 04:15	1
2-Hexanone	ND		10		ug/L			09/14/23 04:15	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 04:15	1
Acetone	ND	*+	10		ug/L			09/14/23 04:15	1
Benzene	ND		5.0		ug/L			09/14/23 04:15	1

Client Sample ID: MW-BR-01
Lab Sample ID: 480-212573-10
Date Collected: 09/11/23 09:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 04:15	1
Bromoform	ND		5.0		ug/L			09/14/23 04:15	1
Bromomethane	ND		5.0		ug/L			09/14/23 04:15	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 04:15	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 04:15	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 04:15	1
Chloroethane	ND		5.0		ug/L			09/14/23 04:15	1
Chloroform	ND		5.0		ug/L			09/14/23 04:15	1
Chloromethane	ND		5.0		ug/L			09/14/23 04:15	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 04:15	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 04:15	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 04:15	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 04:15	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 04:15	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 04:15	1
Styrene	ND		5.0		ug/L			09/14/23 04:15	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 04:15	1
Toluene	ND		5.0		ug/L			09/14/23 04:15	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 04:15	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 04:15	1
Trichloroethene	ND		5.0		ug/L			09/14/23 04:15	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 04:15	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 04:15	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 04:15	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/14/23 04:15*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/14/23 04:15*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/14/23 04:15*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 04:15*	*1*

Client Sample ID: MW-BR-02
Lab Sample ID: 480-212573-11
Date Collected: 09/11/23 09:15
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 04:38	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 04:38	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 04:38	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 04:38	1
2-Hexanone	ND		10		ug/L			09/14/23 04:38	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 04:38	1
Acetone	ND	*+	10		ug/L			09/14/23 04:38	1
Benzene	ND		5.0		ug/L			09/14/23 04:38	1

Client Sample ID: MW-BR-02
Lab Sample ID: 480-212573-11
Date Collected: 09/11/23 09:15
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 04:38	1
Bromoform	ND		5.0		ug/L			09/14/23 04:38	1
Bromomethane	ND		5.0		ug/L			09/14/23 04:38	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 04:38	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 04:38	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 04:38	1
Chloroethane	ND		5.0		ug/L			09/14/23 04:38	1
Chloroform	ND		5.0		ug/L			09/14/23 04:38	1
Chloromethane	ND		5.0		ug/L			09/14/23 04:38	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 04:38	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 04:38	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 04:38	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 04:38	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 04:38	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 04:38	1
Styrene	ND		5.0		ug/L			09/14/23 04:38	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 04:38	1
Toluene	ND		5.0		ug/L			09/14/23 04:38	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 04:38	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 04:38	1
Trichloroethene	ND		5.0		ug/L			09/14/23 04:38	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 04:38	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 04:38	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 04:38	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*09/14/23 04:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/14/23 04:38*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/14/23 04:38*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*09/14/23 04:38*	*1*

Client Sample ID: MW-BR-04
Lab Sample ID: 480-212573-12
Date Collected: 09/11/23 12:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 05:01	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 05:01	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 05:01	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 05:01	1
2-Hexanone	ND		10		ug/L			09/14/23 05:01	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 05:01	1
Acetone	ND	*+	10		ug/L			09/14/23 05:01	1
Benzene	ND		5.0		ug/L			09/14/23 05:01	1

Client Sample ID: MW-BR-04
Lab Sample ID: 480-212573-12
Date Collected: 09/11/23 12:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 05:01	1
Bromoform	ND		5.0		ug/L			09/14/23 05:01	1
Bromomethane	ND		5.0		ug/L			09/14/23 05:01	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 05:01	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 05:01	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 05:01	1
Chloroethane	ND		5.0		ug/L			09/14/23 05:01	1
Chloroform	ND		5.0		ug/L			09/14/23 05:01	1
Chloromethane	ND		5.0		ug/L			09/14/23 05:01	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 05:01	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 05:01	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 05:01	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 05:01	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 05:01	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 05:01	1
Styrene	ND		5.0		ug/L			09/14/23 05:01	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 05:01	1
Toluene	ND		5.0		ug/L			09/14/23 05:01	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 05:01	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 05:01	1
Trichloroethene	ND		5.0		ug/L			09/14/23 05:01	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 05:01	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 05:01	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 05:01	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/14/23 05:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/23 05:01*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 05:01*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 05:01*	*1*

Client Sample ID: MW-BR-06
Lab Sample ID: 480-212573-13
Date Collected: 09/11/23 08:50
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 16:40	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 16:40	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 16:40	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 16:40	1
2-Hexanone	ND		10		ug/L			09/14/23 16:40	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 16:40	1
Acetone	ND	*+	10		ug/L			09/14/23 16:40	1
Benzene	ND		5.0		ug/L			09/14/23 16:40	1

Client Sample ID: MW-BR-06
Lab Sample ID: 480-212573-13
Date Collected: 09/11/23 08:50
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 16:40	1
Bromoform	ND		5.0		ug/L			09/14/23 16:40	1
Bromomethane	ND		5.0		ug/L			09/14/23 16:40	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 16:40	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 16:40	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 16:40	1
Chloroethane	ND		5.0		ug/L			09/14/23 16:40	1
Chloroform	ND		5.0		ug/L			09/14/23 16:40	1
Chloromethane	ND		5.0		ug/L			09/14/23 16:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 16:40	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 16:40	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 16:40	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 16:40	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 16:40	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 16:40	1
Styrene	ND		5.0		ug/L			09/14/23 16:40	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 16:40	1
Toluene	ND		5.0		ug/L			09/14/23 16:40	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 16:40	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 16:40	1
Trichloroethene	ND		5.0		ug/L			09/14/23 16:40	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 16:40	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 16:40	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 16:40	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 16:40*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/14/23 16:40*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/23 16:40*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/14/23 16:40*	*1*

Client Sample ID: DUP-091123
Lab Sample ID: 480-212573-14
Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 17:04	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 17:04	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 17:04	1
1,1-Dichloroethane	**12**		5.0		ug/L			09/14/23 17:04	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 17:04	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 17:04	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 17:04	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 17:04	1
2-Hexanone	ND		10		ug/L			09/14/23 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 17:04	1
Acetone	ND	*+	10		ug/L			09/14/23 17:04	1
Benzene	ND		5.0		ug/L			09/14/23 17:04	1

Client Sample ID: DUP-091123
Lab Sample ID: 480-212573-14

Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0		ug/L			09/14/23 17:04	1
Bromoform	ND		5.0		ug/L			09/14/23 17:04	1
Bromomethane	ND		5.0		ug/L			09/14/23 17:04	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 17:04	1
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 17:04	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 17:04	1
Chloroethane	ND		5.0		ug/L			09/14/23 17:04	1
Chloroform	ND		5.0		ug/L			09/14/23 17:04	1
Chloromethane	ND		5.0		ug/L			09/14/23 17:04	1
cis-1,2-Dichloroethene	~~150~~ ~~E~~	130	5.0		ug/L			09/14/23 17:04	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 17:04	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 17:04	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 17:04	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 17:04	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 17:04	1
Styrene	ND		5.0		ug/L			09/14/23 17:04	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 17:04	1
Toluene	ND		5.0		ug/L			09/14/23 17:04	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 17:04	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 17:04	1
Trichloroethene	**6.8**		5.0		ug/L			09/14/23 17:04	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 17:04	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 17:04	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 17:04	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/23 17:04*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/23 17:04*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/23 17:04*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/14/23 17:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20		ug/L			09/15/23 23:36	4
1,1,2,2-Tetrachloroethane	ND		20		ug/L			09/15/23 23:36	4
1,1,2-Trichloroethane	ND		20		ug/L			09/15/23 23:36	4
1,1-Dichloroethane	ND		20		ug/L			09/15/23 23:36	4
1,1-Dichloroethene	ND		20		ug/L			09/15/23 23:36	4
1,2-Dichloroethane	ND		20		ug/L			09/15/23 23:36	4
1,2-Dichloropropane	ND		20		ug/L			09/15/23 23:36	4
2-Butanone (MEK)	ND		40		ug/L			09/15/23 23:36	4
2-Hexanone	ND		40		ug/L			09/15/23 23:36	4
4-Methyl-2-pentanone (MIBK)	ND		40		ug/L			09/15/23 23:36	4
Acetone	ND	*+	40		ug/L			09/15/23 23:36	4
Benzene	ND		20		ug/L			09/15/23 23:36	4
Bromodichloromethane	ND		20		ug/L			09/15/23 23:36	4
Bromoform	ND		20		ug/L			09/15/23 23:36	4
Bromomethane	ND		20		ug/L			09/15/23 23:36	4
Carbon disulfide	ND		20		ug/L			09/15/23 23:36	4

Client Sample ID: DUP-091123
Lab Sample ID: 480-212573-14

Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		20		ug/L			09/15/23 23:36	4
Chlorobenzene	ND		20		ug/L			09/15/23 23:36	4
Chloroethane	ND		20		ug/L			09/15/23 23:36	4
Chloroform	ND		20		ug/L			09/15/23 23:36	4
Chloromethane	ND		20		ug/L			09/15/23 23:36	4
cis-1,2-Dichloroethene	**130**	**F1**	20		ug/L			09/15/23 23:36	4
cis-1,3-Dichloropropene	ND		20		ug/L			09/15/23 23:36	4
Dibromochloromethane	ND		20		ug/L			09/15/23 23:36	4
Dichlorodifluoromethane	ND		20		ug/L			09/15/23 23:36	4
Ethylbenzene	ND		20		ug/L			09/15/23 23:36	4
Methylene Chloride	ND		20		ug/L			09/15/23 23:36	4
Styrene	ND		20		ug/L			09/15/23 23:36	4
Tetrachloroethene	ND		20		ug/L			09/15/23 23:36	4
Toluene	ND		20		ug/L			09/15/23 23:36	4
trans-1,2-Dichloroethene	ND		20		ug/L			09/15/23 23:36	4
trans-1,3-Dichloropropene	ND		20		ug/L			09/15/23 23:36	4
Trichloroethene	ND		20		ug/L			09/15/23 23:36	4
Trichlorofluoromethane	ND		20		ug/L			09/15/23 23:36	4
Vinyl acetate	ND		20		ug/L			09/15/23 23:36	4
Vinyl chloride	ND		20		ug/L			09/15/23 23:36	4
Xylenes, Total	ND		20		ug/L			09/15/23 23:36	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/15/23 23:36*	*4*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/15/23 23:36*	*4*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/15/23 23:36*	*4*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/15/23 23:36*	*4*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-212573-15

Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,1-Dichloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,1-Dichloroethene	ND		5.0		ug/L			09/14/23 17:27	1
1,2-Dichloroethane	ND		5.0		ug/L			09/14/23 17:27	1
1,2-Dichloropropane	ND		5.0		ug/L			09/14/23 17:27	1
2-Butanone (MEK)	ND		10		ug/L			09/14/23 17:27	1
2-Hexanone	ND		10		ug/L			09/14/23 17:27	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/14/23 17:27	1
Acetone	ND	*+	10		ug/L			09/14/23 17:27	1
Benzene	ND		5.0		ug/L			09/14/23 17:27	1
Bromodichloromethane	ND		5.0		ug/L			09/14/23 17:27	1
Bromoform	ND		5.0		ug/L			09/14/23 17:27	1
Bromomethane	ND		5.0		ug/L			09/14/23 17:27	1
Carbon disulfide	ND		5.0		ug/L			09/14/23 17:27	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-212573-15

Date Collected: 09/11/23 00:00
Matrix: Water
Date Received: 09/12/23 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.0		ug/L			09/14/23 17:27	1
Chlorobenzene	ND		5.0		ug/L			09/14/23 17:27	1
Chloroethane	ND		5.0		ug/L			09/14/23 17:27	1
Chloroform	ND		5.0		ug/L			09/14/23 17:27	1
Chloromethane	ND		5.0		ug/L			09/14/23 17:27	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 17:27	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 17:27	1
Dibromochloromethane	ND		5.0		ug/L			09/14/23 17:27	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/14/23 17:27	1
Ethylbenzene	ND		5.0		ug/L			09/14/23 17:27	1
Methylene Chloride	ND		5.0		ug/L			09/14/23 17:27	1
Styrene	ND		5.0		ug/L			09/14/23 17:27	1
Tetrachloroethene	ND		5.0		ug/L			09/14/23 17:27	1
Toluene	ND		5.0		ug/L			09/14/23 17:27	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/14/23 17:27	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/14/23 17:27	1
Trichloroethene	ND		5.0		ug/L			09/14/23 17:27	1
Trichlorofluoromethane	ND		5.0		ug/L			09/14/23 17:27	1
Vinyl acetate	ND		5.0		ug/L			09/14/23 17:27	1
Vinyl chloride	ND		5.0		ug/L			09/14/23 17:27	1
Xylenes, Total	ND		5.0		ug/L			09/14/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/14/23 17:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/14/23 17:27*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/23 17:27*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*09/14/23 17:27*	*1*