GTE Operations Support Incorporated
One Verizon Way (VC 33E048B)
Basking Ridge, NJ 07920-1097
908-559-3691

June 13, 2024

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: Spring 2024 Semi-Annual Groundwater Sampling Event
Site #850003 – G.T.E Products Corporation
Former Philips Display Components Facility, Seneca Falls, New York

Dear Ms. Theobald:

Results are attached for semi-annual groundwater sampling conducted in March 2024 at the subject site. Trichloroethene and cis-1,2-dichloroethene were reported in select groundwater samples at concentrations greater than New York State Department of Environmental Conservation (NYSDEC) Class GA Standards.

The next semi-annual groundwater sampling event is tentatively scheduled for September 2024.

Please contact me if you have any questions.

Sincerely,

Matthew T. Walsh
Sr. Manager – Environment, Health and Safety

Attachments
A – Spring 2024 Groundwater Sampling Event Summary
B – Figures
C – Tables
D – Groundwater VOC Concentration Graphs
E – Data Validation Report

ec:
Mr. David Pratt (NYSDEC)
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

Spring 2024 Groundwater Sampling Event Summary

Spring 2024 Semi-Annual Groundwater Sampling

Groundwater samples are collected semiannually for analysis of volatile organic compounds (VOCs) in March and September of each year following the procedures in the document titled “Groundwater Monitoring Plan” that was submitted to the New York State Department of Environmental Conservation on December 8, 2011. The groundwater monitoring well network, depicted in Figure 1, consists of eleven overburden monitoring wells (MW-1 and MW-20 through MW-29), five bedrock wells (MW-BR-01 through MW-BR-05) and one weathered bedrock well (MW-BR-06). In March and September of each year, water levels are gauged at 17 monitoring wells and groundwater samples are collected at eight monitoring wells. Annual sampling is performed in September of each year at six monitoring wells. Sampling frequencies for each monitoring well are shown in Attachment B, Figure 1.

On March 27, 2024, Arcadis of New York, Inc. measured depths to groundwater in 17 monitoring wells and retrieved passive diffusion bags (PDBs) from eight monitoring wells where PDBs were deployed on September 11, 2023 (Attachment B Figure 1). Nine groundwater samples, including one duplicate sample, were collected for analysis of VOCs from PDBs retrieved from six shallow monitoring wells (MW-22 through 26 and MW-29), one weathered bedrock monitoring well (MW-BR-06), and one bedrock monitoring well (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 March 27, 2024 (Attachment C). Groundwater potentiometric surface contours for March 2024 (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 March 2024 groundwater samples and the corresponding quality assurance/quality control samples (Attachment C). VOC concentrations in the March 2024 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 and MW-26.
- *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-23, MW-24, MW-25, MW-26, MW-29, and in the duplicate sample from monitoring well MW-25.

On March 27, 2024, after groundwater samples were collected, new PDBs were deployed in the 14 monitoring wells scheduled for groundwater sampling in September 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

LAMB ROAD

MW-BR-03

MW-20
462.75

MW-BR-02

MW-21
465.64

MW-28
454.95

MW-29
453.98

MW-1
454.28

MW-27
454.18

MW-25
457.28

MW-23
458.24

MW-24
459.74

MW-22
455.00

MW-26
455.06

MW-BR-01

MW-BR-04

MW-BR-05

MW-BR-06

ELECTRIC SUBSTATION

462 464 460 458 456 454 456 458 460 462 456

1 1A 2 2A 3 4 5 6 7 8 9 10 10A 11 12 13 13A

TOP

EDGE OF WATER

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
- 459.74 — GROUNDWATER ELEVATION
- 454 — GROUNDWATER CONTOUR

0 200' 400'
FEET

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

OVERBURDEN GROUNDWATER POTENTIOMETRIC SURFACE MAP MARCH 27, 2024

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	6.55	454.28
MW-20	463.42	0.67	462.75
MW-21	467.39	1.75	465.64
MW-22	460.77	5.77	455.00
MW-23	460.59	2.35	458.24
MW-24	462.76	3.02	459.74
MW-25	460.74	3.46	457.28
MW-26	458.80	3.74	455.06
MW-27	460.45	6.27	454.18
MW-28	461.26	6.31	454.95
MW-29	459.89	5.91	453.98
MW-BR-01	462.64	34.96	427.68
MW-BR-02	467.87	29.25	438.62
MW-BR-03	457.06	9.16	447.90
MW-BR-04	396.39	--	Artesian
MW-BR-05	401.34	20.51	380.83
MW-BR-06	436.30	38.68	397.62

Notes:
AMSL - Above mean sea level
-- - Not Measured
Depth to water measurements were recorded on 3/27/2024

Table 2
Groundwater Analytical Results (March 2024)
Former Philips Display Components Facility
Seneca Falls, New York

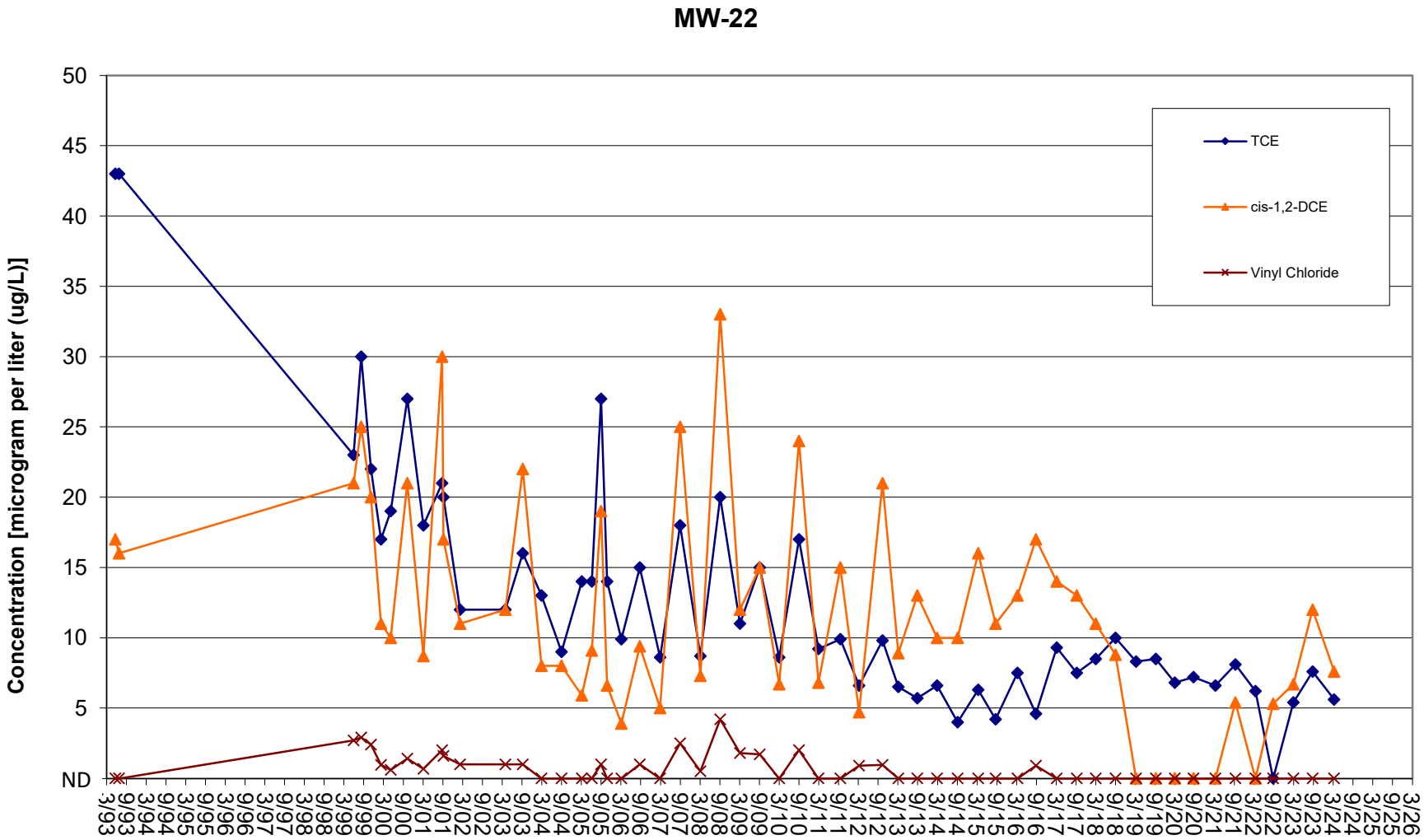
VOCs	CAS #	NYS Class GA Standard	MW-22	MW-23	MW-24	MW-25	MW-25 Dup	MW-26	MW-29	MW-BR-05	MW-BR-06	TRIP BLANK
1,1,1-Trichloroethane	71-55-6	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	79-00-5	1	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	75-34-3	5	5 U	5 U	200 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	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	107-06-2	0.6	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	78-87-5	1	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	591-78-6	50	10 U	10 U	400 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	67-64-1	50	10 U	10 U	400 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	71-43-2	1	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	75-27-4	50	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	75-25-2	50	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	74-83-9	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	75-15-0	60	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	56-23-5	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	108-90-7	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	75-00-3	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	67-66-3	7	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	74-87-3	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	156-59-2	5	**7.6**	**12**	**16000**	**64**	**63**	**65**	**87**	5 U	5 U	5 U
cis-1,3-Dichloropropene	10061-01-5	0.4	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	124-48-1	50	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	75-71-8	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	100-41-4	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	78-93-3	50	10 U	10 U	400 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone (MIBK)	108-10-1	5	10 U	10 U	400 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	75-09-2	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	100-42-5	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	127-18-4	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	108-88-3	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	156-60-5	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	10061-02-6	0.4	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	79-01-6	5	**5.6**	5 U	200 U	5 U	5 U	**41**	5 U	5 U	5 U	5 U
Trichlorofluoromethane	75-69-4	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	75-01-4	2	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	1330-20-7	5	5 U	5 U	200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

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

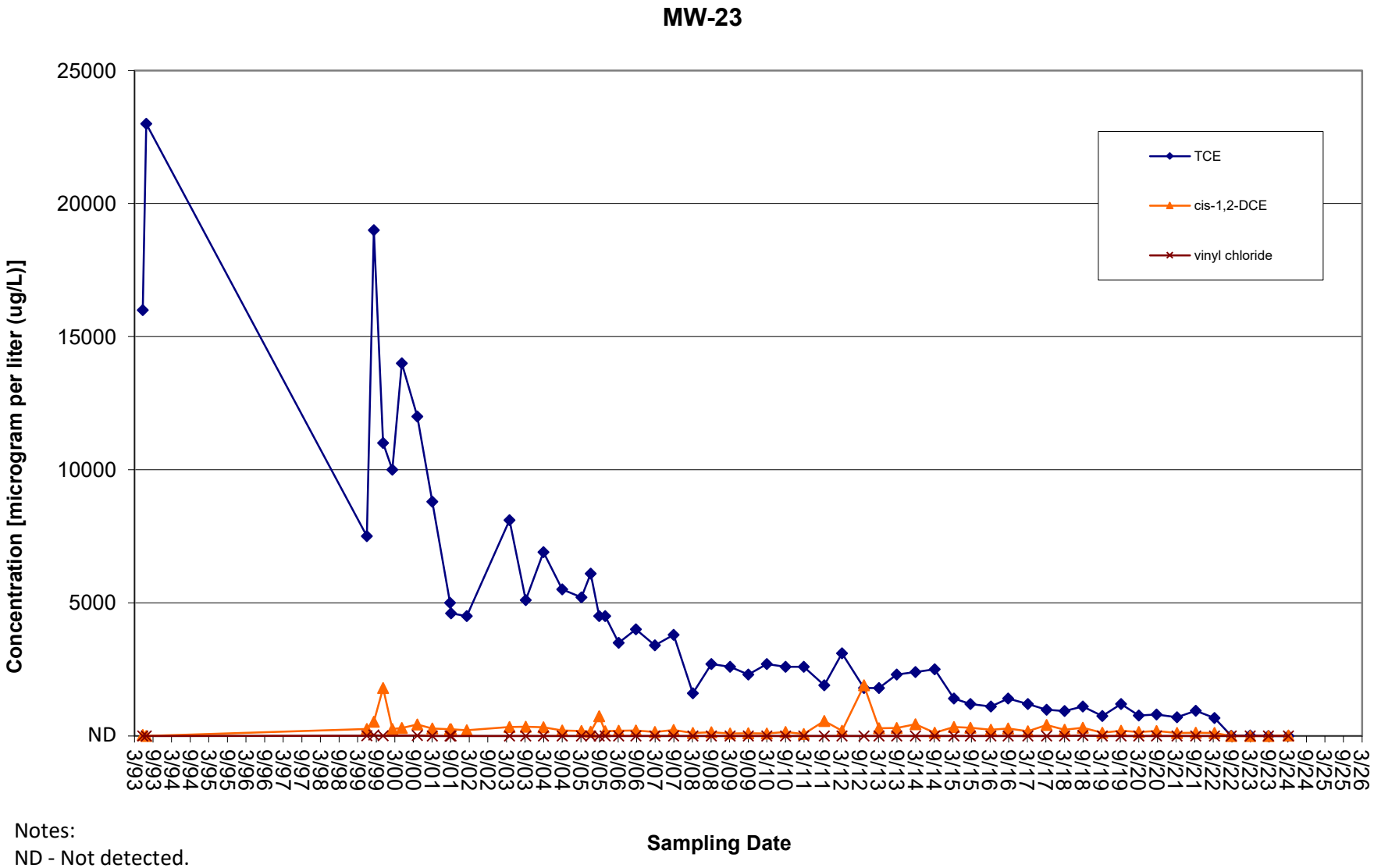
U = Not detected. Reporting limit shown.

ATTACHMENT D

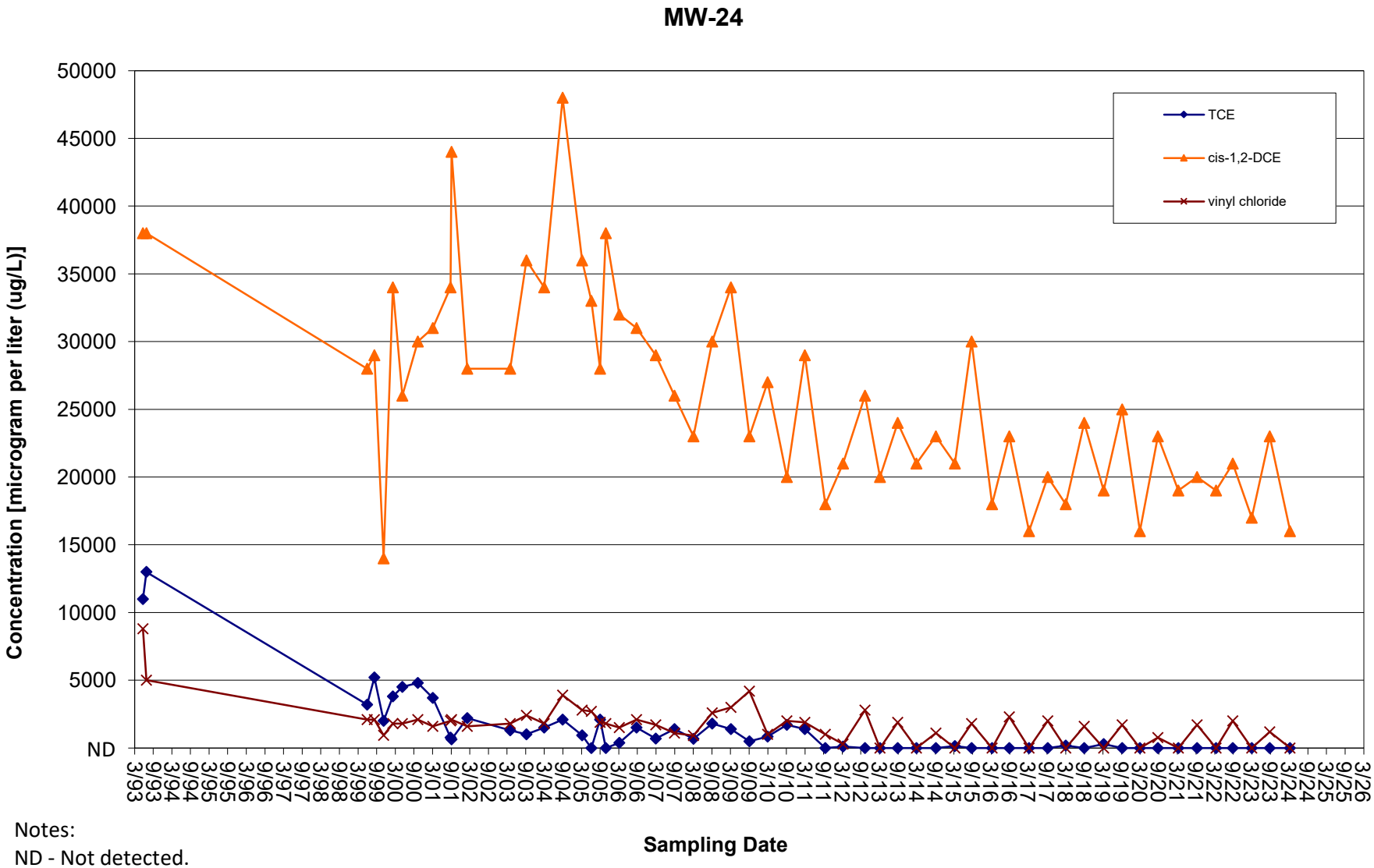
Groundwater VOC Concentration Graphs



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

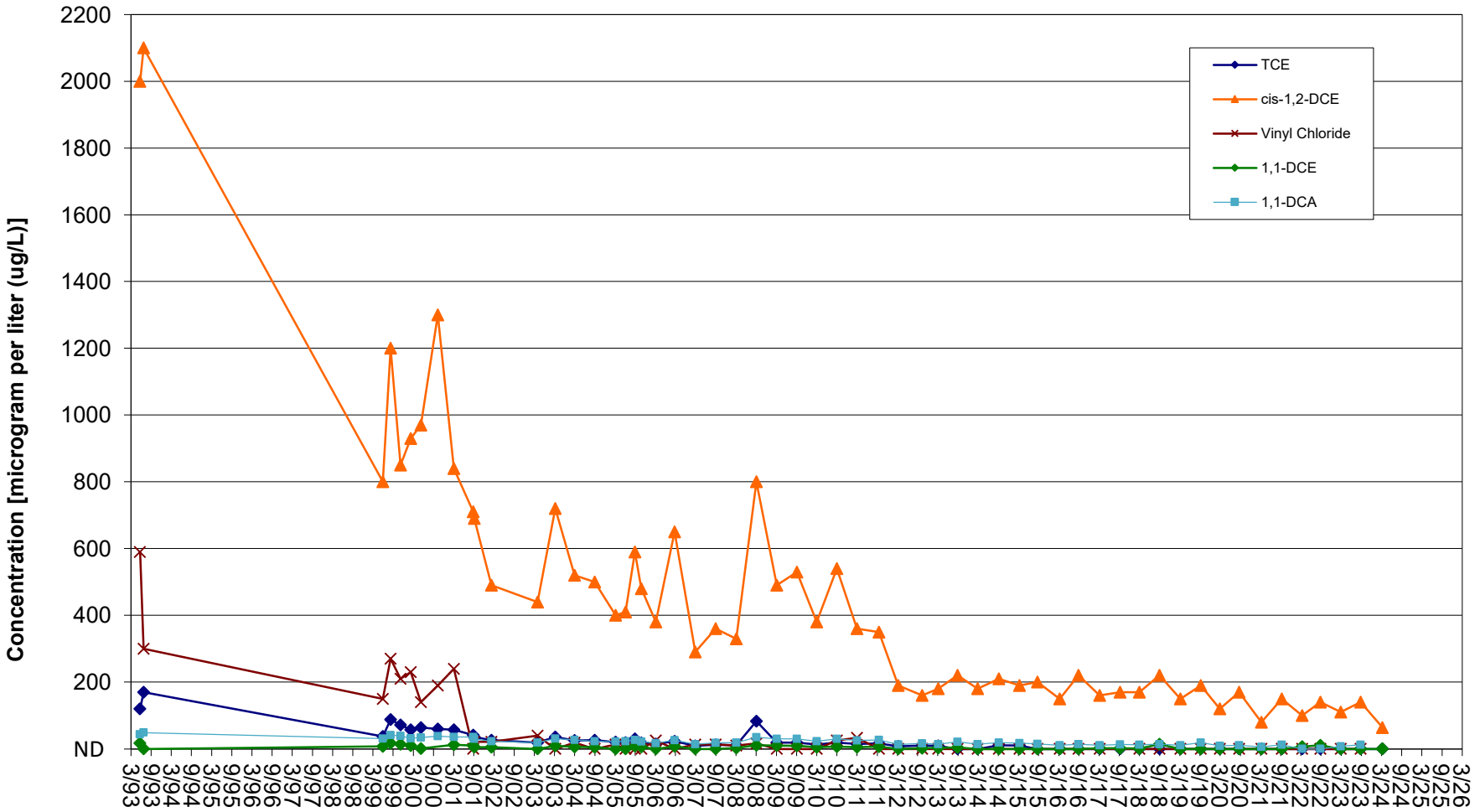


Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.



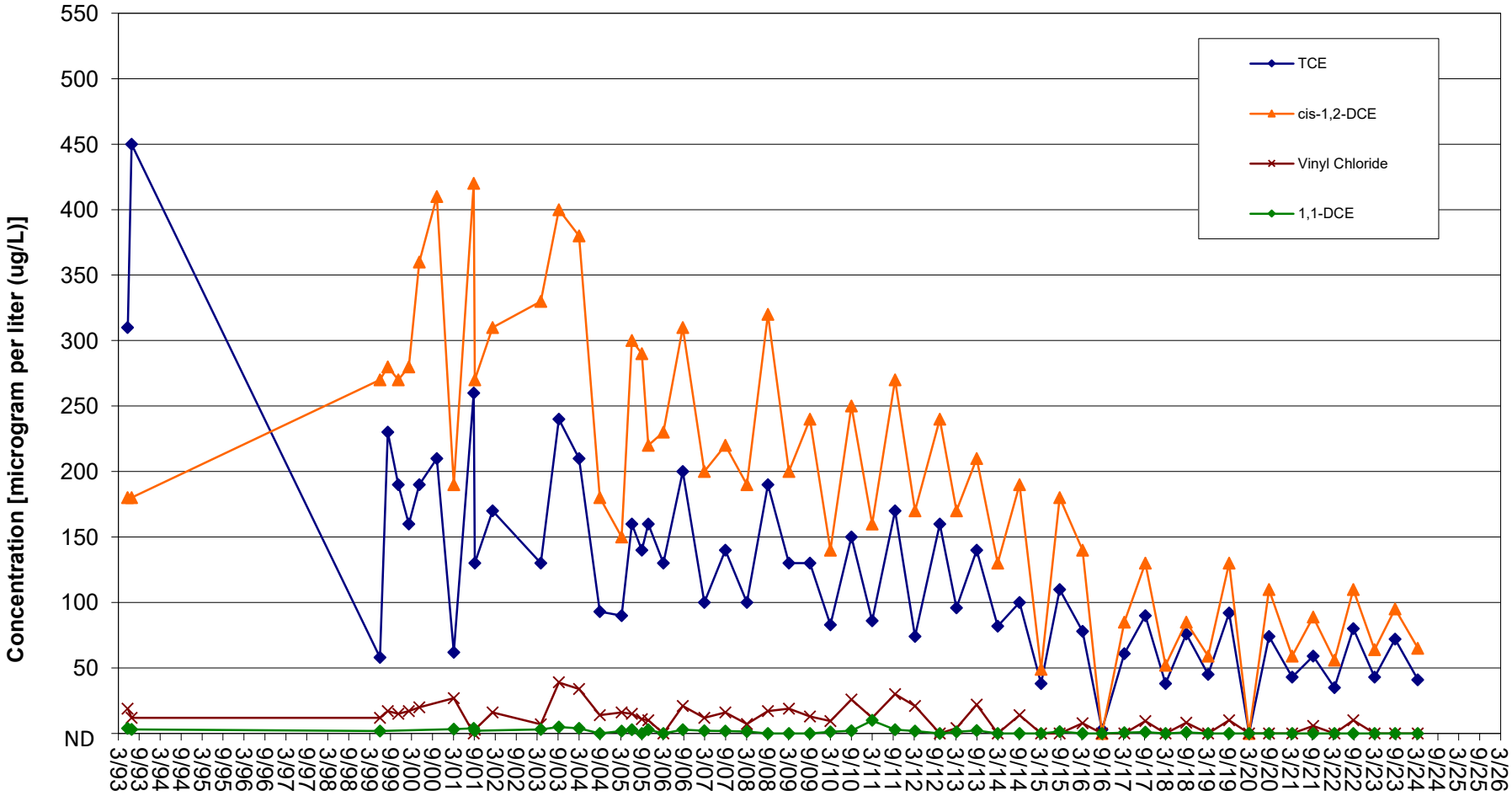
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-25



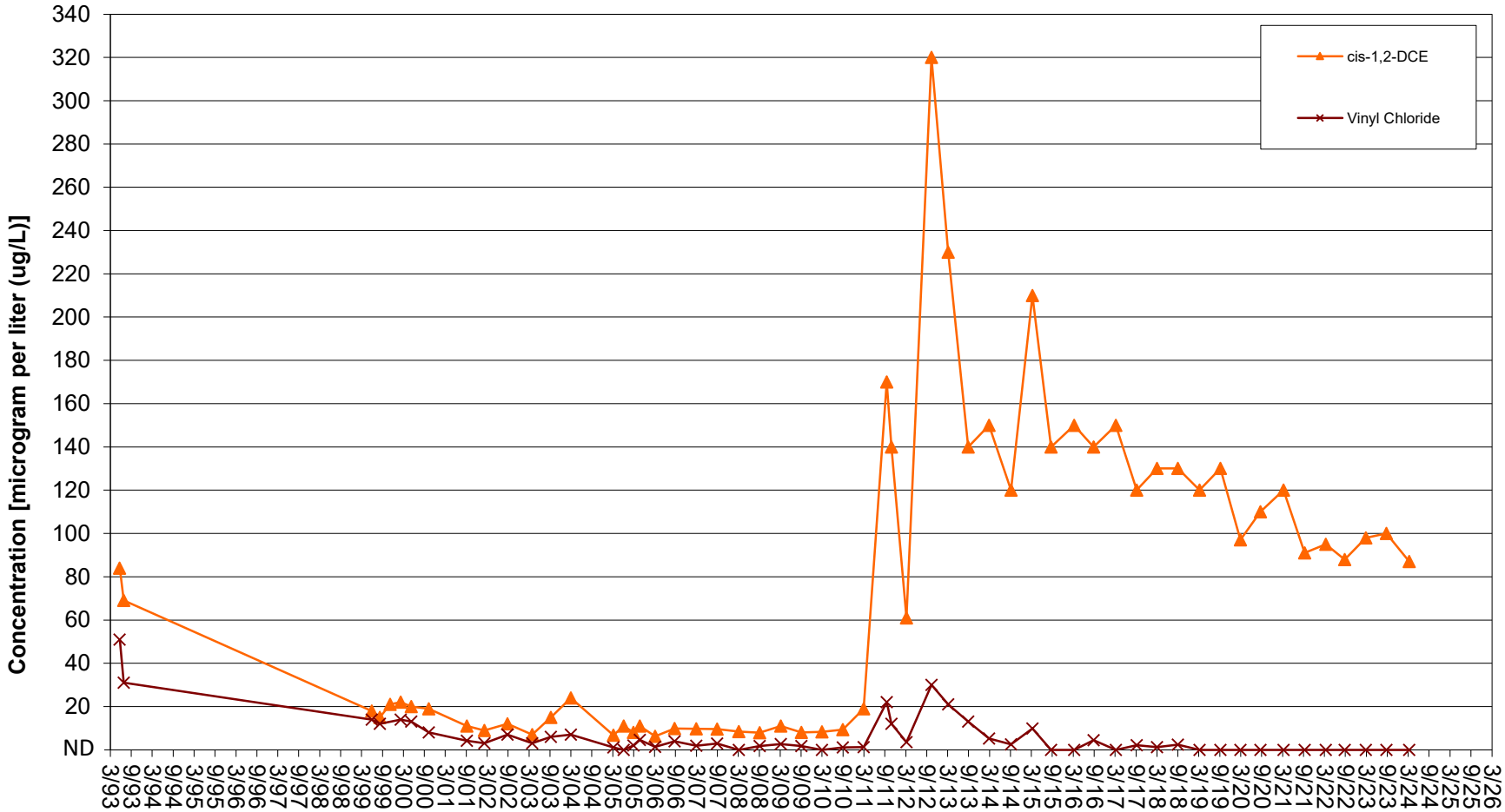
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-26



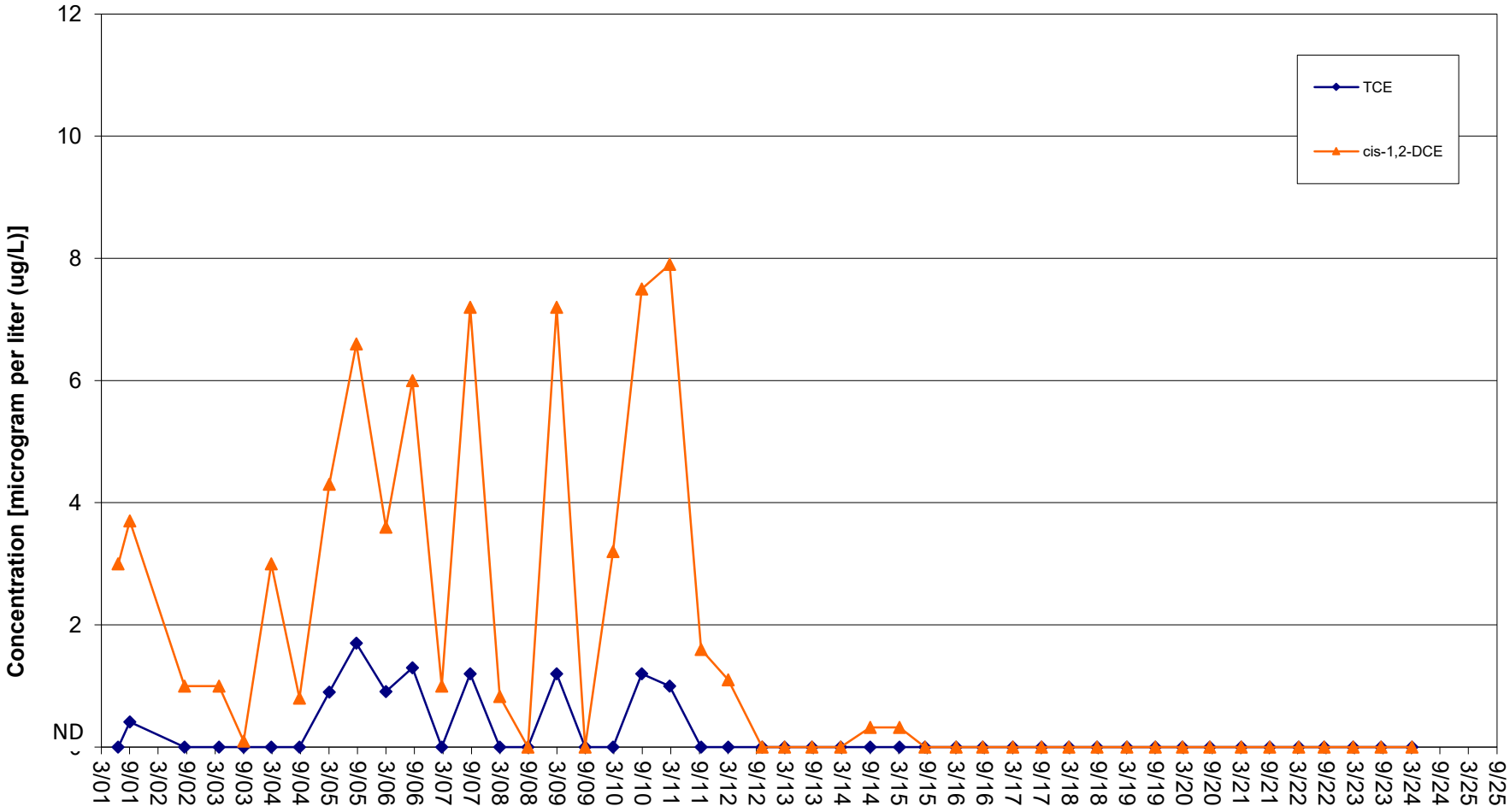
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-29



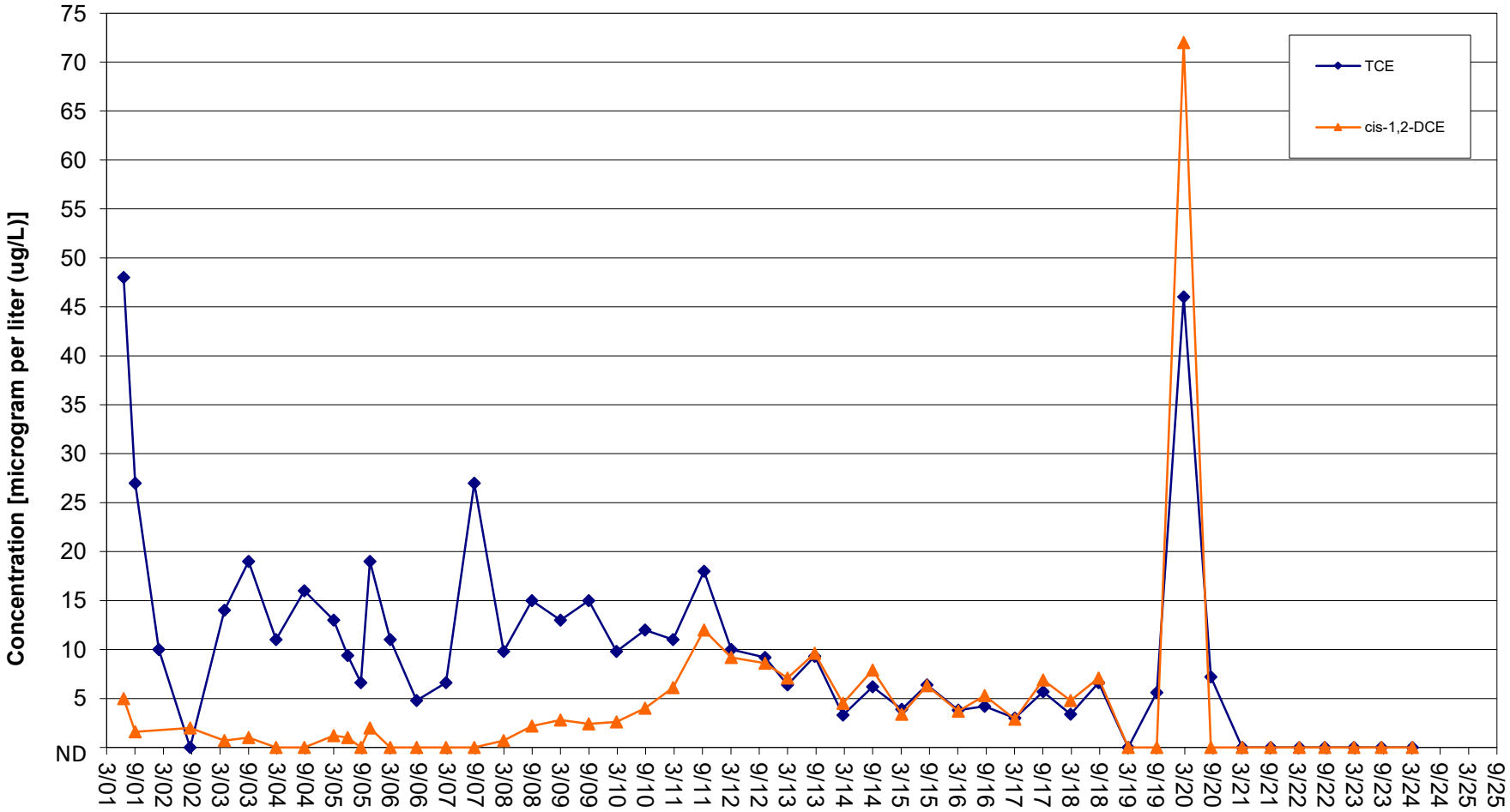
Notes:
ND - Not detected.
Reporting limit is 5 ug/L.
Results less than the reporting limit are estimated.

MW-BR-05



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

MW-BR-06



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

ATTACHMENT E

Data Validation Report

Data Validation Services

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

April 27, 2024

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. 480-218197-1

Dear Mr. Flusche:

Review has been completed for the data package generated by Eurofins TestAmerica Laboratories that pertains to samples collected 03/27/24 at Seneca Falls, NY. Eight aqueous samples, a field duplicate, and a trip blank were analyzed for volatiles by USEPA SW846 method 8260C.

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

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

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

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

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.

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.

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

MW-24 was processed only at initial dilution due to high concentrations of target analytes. Reporting limits for undetected analytes in that samples are therefore proportionally elevated.

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

Very truly yours,

Judy Harry

Judy Harry

Att: Sample Identifications
Laboratory Case Narrative
Laboratory Sample Results

Sample Identification Summary

Sample Summary

Client: Arcadis U.S., Inc.
Job ID: 480-218197-1
Project/Site: GTEOSI - Seneca Falls

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218197-1	MW-22	Water	03/27/24 12:10	03/27/24 19:11
480-218197-2	MW-23	Water	03/27/24 09:00	03/27/24 19:11
480-218197-3	MW-24	Water	03/27/24 09:20	03/27/24 19:11
480-218197-4	MW-25	Water	03/27/24 11:50	03/27/24 19:11
480-218197-5	MW-26	Water	03/27/24 10:00	03/27/24 19:11
480-218197-6	MW-29	Water	03/27/24 11:10	03/27/24 19:11
480-218197-7	MW-BR-05	Water	03/27/24 13:05	03/27/24 19:11
480-218197-8	MW-BR-06	Water	03/27/24 09:40	03/27/24 19:11
480-218197-9	DUP-20240327	Water	03/27/24 00:00	03/27/24 19:11
480-218197-10	TRIP BLANK	Water	03/27/24 00:00	03/27/24 19:11

Laboratory Case Narrative

Job Narrative
480-218197-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/27/2024 7:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-705377 recovered above the upper control limit for Trichlorofluoromethane. 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-22 (480-218197-1), MW-23 (480-218197-2), MW-24 (480-218197-3), MW-24 (480-218197-3[MS]), MW-24 (480-218197-3[MSD]), MW-25 (480-218197-4), MW-26 (480-218197-5), MW-29 (480-218197-6), MW-BR-05 (480-218197-7), MW-BR-06 (480-218197-8), DUP-20240327 (480-218197-9) and TRIP BLANK (480-218197-10).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-24 (480-218197-3), MW-24 (480-218197-3[MS]) and MW-24 (480-218197-3[MSD]). Elevated reporting limits (RLs) are provided.

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

Laboratory Results Forms

Client Sample ID: MW-22
Date Collected: 03/27/24 12:10
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-1
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			03/28/24 14:30	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 14:30	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 14:30	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 14:30	1
1,1-Dichloroethene	ND		5.0		ug/L			03/28/24 14:30	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 14:30	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 14:30	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 14:30	1
2-Hexanone	ND		10		ug/L			03/28/24 14:30	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 14:30	1
Acetone	ND		10		ug/L			03/28/24 14:30	1
Benzene	ND		5.0		ug/L			03/28/24 14:30	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 14:30	1
Bromoform	ND		5.0		ug/L			03/28/24 14:30	1
Bromomethane	ND		5.0		ug/L			03/28/24 14:30	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 14:30	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 14:30	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 14:30	1
Chloroethane	ND		5.0		ug/L			03/28/24 14:30	1
Chloroform	ND		5.0		ug/L			03/28/24 14:30	1
Chloromethane	ND		5.0		ug/L			03/28/24 14:30	1
cis-1,2-Dichloroethene	**7.6**		5.0		ug/L			03/28/24 14:30	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 14:30	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 14:30	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 14:30	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 14:30	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 14:30	1
Styrene	ND		5.0		ug/L			03/28/24 14:30	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 14:30	1
Toluene	ND		5.0		ug/L			03/28/24 14:30	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 14:30	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 14:30	1
Trichloroethene	**5.6**		5.0		ug/L			03/28/24 14:30	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 14:30	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 14:30	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 14:30	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/28/24 14:30*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*03/28/24 14:30*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/28/24 14:30*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/28/24 14:30*	*1*

Client Sample ID: MW-23
Date Collected: 03/27/24 09:00
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-2
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			03/28/24 19:19	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 19:19	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 19:19	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 19:19	1
1,1-Dichloroethene	ND		5.0		ug/L			03/28/24 19:19	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 19:19	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 19:19	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 19:19	1
2-Hexanone	ND		10		ug/L			03/28/24 19:19	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 19:19	1
Acetone	ND		10		ug/L			03/28/24 19:19	1
Benzene	ND		5.0		ug/L			03/28/24 19:19	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 19:19	1
Bromoform	ND		5.0		ug/L			03/28/24 19:19	1
Bromomethane	ND		5.0		ug/L			03/28/24 19:19	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 19:19	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 19:19	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 19:19	1
Chloroethane	ND		5.0		ug/L			03/28/24 19:19	1
Chloroform	ND		5.0		ug/L			03/28/24 19:19	1
Chloromethane	ND		5.0		ug/L			03/28/24 19:19	1
cis-1,2-Dichloroethene	**12**		5.0		ug/L			03/28/24 19:19	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 19:19	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 19:19	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 19:19	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 19:19	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 19:19	1
Styrene	ND		5.0		ug/L			03/28/24 19:19	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 19:19	1
Toluene	ND		5.0		ug/L			03/28/24 19:19	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 19:19	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 19:19	1
Trichloroethene	ND		5.0		ug/L			03/28/24 19:19	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 19:19	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 19:19	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 19:19	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/28/24 19:19*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*03/28/24 19:19*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/28/24 19:19*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/28/24 19:19*	*1*

Client Sample ID: MW-24

Date Collected: 03/27/24 09:20
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200		ug/L			03/28/24 19:41	40
1,1,2,2-Tetrachloroethane	ND		200		ug/L			03/28/24 19:41	40
1,1,2-Trichloroethane	ND		200		ug/L			03/28/24 19:41	40
1,1-Dichloroethane	ND		200		ug/L			03/28/24 19:41	40
1,1-Dichloroethene	ND		200		ug/L			03/28/24 19:41	40
1,2-Dichloroethane	ND		200		ug/L			03/28/24 19:41	40
1,2-Dichloropropane	ND		200		ug/L			03/28/24 19:41	40
2-Butanone (MEK)	ND		400		ug/L			03/28/24 19:41	40
2-Hexanone	ND		400		ug/L			03/28/24 19:41	40
4-Methyl-2-pentanone (MIBK)	ND		400		ug/L			03/28/24 19:41	40
Acetone	ND		400		ug/L			03/28/24 19:41	40
Benzene	ND		200		ug/L			03/28/24 19:41	40
Bromodichloromethane	ND		200		ug/L			03/28/24 19:41	40
Bromoform	ND		200		ug/L			03/28/24 19:41	40
Bromomethane	ND		200		ug/L			03/28/24 19:41	40
Carbon disulfide	ND		200		ug/L			03/28/24 19:41	40
Carbon tetrachloride	ND		200		ug/L			03/28/24 19:41	40
Chlorobenzene	ND		200		ug/L			03/28/24 19:41	40
Chloroethane	ND		200		ug/L			03/28/24 19:41	40
Chloroform	ND		200		ug/L			03/28/24 19:41	40
Chloromethane	ND		200		ug/L			03/28/24 19:41	40
cis-1,2-Dichloroethene	~~20000~~ **E**	16000	200		ug/L			03/28/24 19:41	40
cis-1,3-Dichloropropene	ND		200		ug/L			03/28/24 19:41	40
Dibromochloromethane	ND		200		ug/L			03/28/24 19:41	40
Dichlorodifluoromethane	ND		200		ug/L			03/28/24 19:41	40
Ethylbenzene	ND		200		ug/L			03/28/24 19:41	40
Methylene Chloride	ND		200		ug/L			03/28/24 19:41	40
Styrene	ND		200		ug/L			03/28/24 19:41	40
Tetrachloroethene	ND		200		ug/L			03/28/24 19:41	40
Toluene	ND		200		ug/L			03/28/24 19:41	40
trans-1,2-Dichloroethene	ND		200		ug/L			03/28/24 19:41	40
trans-1,3-Dichloropropene	ND		200		ug/L			03/28/24 19:41	40
Trichloroethene	ND		200		ug/L			03/28/24 19:41	40
Trichlorofluoromethane	ND		200		ug/L			03/28/24 19:41	40
Vinyl acetate	ND		200		ug/L			03/28/24 19:41	40
Vinyl chloride	ND		200		ug/L			03/28/24 19:41	40
Xylenes, Total	ND		200		ug/L			03/28/24 19:41	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/28/24 19:41*	*40*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*03/28/24 19:41*	*40*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*03/28/24 19:41*	*40*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/28/24 19:41*	*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			03/28/24 15:15	400
1,1,2,2-Tetrachloroethane	ND		2000		ug/L			03/28/24 15:15	400
1,1,2-Trichloroethane	ND		2000		ug/L			03/28/24 15:15	400
1,1-Dichloroethane	ND		2000		ug/L			03/28/24 15:15	400

Client Sample ID: MW-24

Date Collected: 03/27/24 09:20
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-3

Matrix: Water

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			03/28/24 15:15	400
1,2-Dichloroethane	ND		2000		ug/L			03/28/24 15:15	400
1,2-Dichloropropane	ND		2000		ug/L			03/28/24 15:15	400
2-Butanone (MEK)	ND		4000		ug/L			03/28/24 15:15	400
2-Hexanone	ND		4000		ug/L			03/28/24 15:15	400
4-Methyl-2-pentanone (MIBK)	ND		4000		ug/L			03/28/24 15:15	400
Acetone	ND		4000		ug/L			03/28/24 15:15	400
Benzene	ND		2000		ug/L			03/28/24 15:15	400
Bromodichloromethane	ND		2000		ug/L			03/28/24 15:15	400
Bromoform	ND		2000		ug/L			03/28/24 15:15	400
Bromomethane	ND		2000		ug/L			03/28/24 15:15	400
Carbon disulfide	ND		2000		ug/L			03/28/24 15:15	400
Carbon tetrachloride	ND		2000		ug/L			03/28/24 15:15	400
Chlorobenzene	ND		2000		ug/L			03/28/24 15:15	400
Chloroethane	ND		2000		ug/L			03/28/24 15:15	400
Chloroform	ND		2000		ug/L			03/28/24 15:15	400
Chloromethane	ND		2000		ug/L			03/28/24 15:15	400
cis-1,2-Dichloroethene	**16000**		2000		ug/L			03/28/24 15:15	400
cis-1,3-Dichloropropene	ND		2000		ug/L			03/28/24 15:15	400
Dibromochloromethane	ND		2000		ug/L			03/28/24 15:15	400
Dichlorodifluoromethane	ND		2000		ug/L			03/28/24 15:15	400
Ethylbenzene	ND		2000		ug/L			03/28/24 15:15	400
Methylene Chloride	ND		2000		ug/L			03/28/24 15:15	400
Styrene	ND		2000		ug/L			03/28/24 15:15	400
Tetrachloroethene	ND		2000		ug/L			03/28/24 15:15	400
Toluene	ND		2000		ug/L			03/28/24 15:15	400
trans-1,2-Dichloroethene	ND		2000		ug/L			03/28/24 15:15	400
trans-1,3-Dichloropropene	ND		2000		ug/L			03/28/24 15:15	400
Trichloroethene	ND		2000		ug/L			03/28/24 15:15	400
Trichlorofluoromethane	ND		2000		ug/L			03/28/24 15:15	400
Vinyl acetate	ND		2000		ug/L			03/28/24 15:15	400
Vinyl chloride	ND	F2	2000		ug/L			03/28/24 15:15	400
Xylenes, Total	ND		2000		ug/L			03/28/24 15:15	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/28/24 15:15*	*400*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*03/28/24 15:15*	*400*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/28/24 15:15*	*400*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/28/24 15:15*	*400*

Client Sample ID: MW-25

Date Collected: 03/27/24 11:50
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-4

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			03/28/24 20:03	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 20:03	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 20:03	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 20:03	1

Client Sample ID: MW-25

Date Collected: 03/27/24 11:50
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-4

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			03/28/24 20:03	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 20:03	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 20:03	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 20:03	1
2-Hexanone	ND		10		ug/L			03/28/24 20:03	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 20:03	1
Acetone	ND		10		ug/L			03/28/24 20:03	1
Benzene	ND		5.0		ug/L			03/28/24 20:03	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 20:03	1
Bromoform	ND		5.0		ug/L			03/28/24 20:03	1
Bromomethane	ND		5.0		ug/L			03/28/24 20:03	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 20:03	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 20:03	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 20:03	1
Chloroethane	ND		5.0		ug/L			03/28/24 20:03	1
Chloroform	ND		5.0		ug/L			03/28/24 20:03	1
Chloromethane	ND		5.0		ug/L			03/28/24 20:03	1
cis-1,2-Dichloroethene	**64**		5.0		ug/L			03/28/24 20:03	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 20:03	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 20:03	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 20:03	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 20:03	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 20:03	1
Styrene	ND		5.0		ug/L			03/28/24 20:03	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 20:03	1
Toluene	ND		5.0		ug/L			03/28/24 20:03	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 20:03	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 20:03	1
Trichloroethene	ND		5.0		ug/L			03/28/24 20:03	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 20:03	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 20:03	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 20:03	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*03/28/24 20:03*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*03/28/24 20:03*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*03/28/24 20:03*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/28/24 20:03*	*1*

Client Sample ID: MW-26

Date Collected: 03/27/24 10:00
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-5

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		5.0		ug/L			03/28/24 20:26	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 20:26	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 20:26	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 20:26	1

Client Sample ID: MW-26

Date Collected: 03/27/24 10:00
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-5

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			03/28/24 20:26	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 20:26	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 20:26	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 20:26	1
2-Hexanone	ND		10		ug/L			03/28/24 20:26	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 20:26	1
Acetone	ND		10		ug/L			03/28/24 20:26	1
Benzene	ND		5.0		ug/L			03/28/24 20:26	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 20:26	1
Bromoform	ND		5.0		ug/L			03/28/24 20:26	1
Bromomethane	ND		5.0		ug/L			03/28/24 20:26	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 20:26	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 20:26	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 20:26	1
Chloroethane	ND		5.0		ug/L			03/28/24 20:26	1
Chloroform	ND		5.0		ug/L			03/28/24 20:26	1
Chloromethane	ND		5.0		ug/L			03/28/24 20:26	1
cis-1,2-Dichloroethene	**65**		5.0		ug/L			03/28/24 20:26	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 20:26	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 20:26	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 20:26	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 20:26	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 20:26	1
Styrene	ND		5.0		ug/L			03/28/24 20:26	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 20:26	1
Toluene	ND		5.0		ug/L			03/28/24 20:26	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 20:26	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 20:26	1
Trichloroethene	**41**		5.0		ug/L			03/28/24 20:26	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 20:26	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 20:26	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 20:26	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*03/28/24 20:26*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*03/28/24 20:26*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/28/24 20:26*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/28/24 20:26*	*1*

Client Sample ID: MW-29

Date Collected: 03/27/24 11:10
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			03/28/24 20:48	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 20:48	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 20:48	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 20:48	1

Client Sample ID: MW-29
Lab Sample ID: 480-218197-6

Date Collected: 03/27/24 11:10
Matrix: Water
Date Received: 03/27/24 19:11

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			03/28/24 20:48	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 20:48	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 20:48	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 20:48	1
2-Hexanone	ND		10		ug/L			03/28/24 20:48	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 20:48	1
Acetone	ND		10		ug/L			03/28/24 20:48	1
Benzene	ND		5.0		ug/L			03/28/24 20:48	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 20:48	1
Bromoform	ND		5.0		ug/L			03/28/24 20:48	1
Bromomethane	ND		5.0		ug/L			03/28/24 20:48	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 20:48	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 20:48	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 20:48	1
Chloroethane	ND		5.0		ug/L			03/28/24 20:48	1
Chloroform	ND		5.0		ug/L			03/28/24 20:48	1
Chloromethane	ND		5.0		ug/L			03/28/24 20:48	1
cis-1,2-Dichloroethene	**87**		5.0		ug/L			03/28/24 20:48	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 20:48	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 20:48	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 20:48	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 20:48	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 20:48	1
Styrene	ND		5.0		ug/L			03/28/24 20:48	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 20:48	1
Toluene	ND		5.0		ug/L			03/28/24 20:48	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 20:48	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 20:48	1
Trichloroethene	ND		5.0		ug/L			03/28/24 20:48	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 20:48	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 20:48	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 20:48	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/28/24 20:48*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*03/28/24 20:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/28/24 20:48*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/28/24 20:48*	*1*

Client Sample ID: MW-BR-05
Lab Sample ID: 480-218197-7

Date Collected: 03/27/24 13:05
Matrix: Water
Date Received: 03/27/24 19:11

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			03/28/24 16:43	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 16:43	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 16:43	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 16:43	1

Client Sample ID: MW-BR-05
Lab Sample ID: 480-218197-7
Date Collected: 03/27/24 13:05
Matrix: Water
Date Received: 03/27/24 19:11

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			03/28/24 16:43	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 16:43	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 16:43	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 16:43	1
2-Hexanone	ND		10		ug/L			03/28/24 16:43	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 16:43	1
Acetone	ND		10		ug/L			03/28/24 16:43	1
Benzene	ND		5.0		ug/L			03/28/24 16:43	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 16:43	1
Bromoform	ND		5.0		ug/L			03/28/24 16:43	1
Bromomethane	ND		5.0		ug/L			03/28/24 16:43	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 16:43	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 16:43	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 16:43	1
Chloroethane	ND		5.0		ug/L			03/28/24 16:43	1
Chloroform	ND		5.0		ug/L			03/28/24 16:43	1
Chloromethane	ND		5.0		ug/L			03/28/24 16:43	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 16:43	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 16:43	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 16:43	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 16:43	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 16:43	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 16:43	1
Styrene	ND		5.0		ug/L			03/28/24 16:43	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 16:43	1
Toluene	ND		5.0		ug/L			03/28/24 16:43	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 16:43	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 16:43	1
Trichloroethene	ND		5.0		ug/L			03/28/24 16:43	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 16:43	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 16:43	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 16:43	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/28/24 16:43*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*03/28/24 16:43*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/28/24 16:43*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/28/24 16:43*	*1*

Client Sample ID: MW-BR-06
Lab Sample ID: 480-218197-8
Date Collected: 03/27/24 09:40
Matrix: Water
Date Received: 03/27/24 19:11

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			03/28/24 17:06	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 17:06	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 17:06	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 17:06	1

Client Sample ID: MW-BR-06

Date Collected: 03/27/24 09:40
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-8

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			03/28/24 17:06	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 17:06	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 17:06	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 17:06	1
2-Hexanone	ND		10		ug/L			03/28/24 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 17:06	1
Acetone	ND		10		ug/L			03/28/24 17:06	1
Benzene	ND		5.0		ug/L			03/28/24 17:06	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 17:06	1
Bromoform	ND		5.0		ug/L			03/28/24 17:06	1
Bromomethane	ND		5.0		ug/L			03/28/24 17:06	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 17:06	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 17:06	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 17:06	1
Chloroethane	ND		5.0		ug/L			03/28/24 17:06	1
Chloroform	ND		5.0		ug/L			03/28/24 17:06	1
Chloromethane	ND		5.0		ug/L			03/28/24 17:06	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 17:06	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 17:06	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 17:06	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 17:06	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 17:06	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 17:06	1
Styrene	ND		5.0		ug/L			03/28/24 17:06	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 17:06	1
Toluene	ND		5.0		ug/L			03/28/24 17:06	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 17:06	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 17:06	1
Trichloroethene	ND		5.0		ug/L			03/28/24 17:06	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 17:06	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 17:06	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 17:06	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*03/28/24 17:06*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*03/28/24 17:06*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/28/24 17:06*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/28/24 17:06*	*1*

Client Sample ID: DUP-20240327

Date Collected: 03/27/24 00:00
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-9

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			03/28/24 21:10	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 21:10	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 21:10	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 21:10	1

Client Sample ID: DUP-20240327

Date Collected: 03/27/24 00:00
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-9

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			03/28/24 21:10	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 21:10	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 21:10	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 21:10	1
2-Hexanone	ND		10		ug/L			03/28/24 21:10	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 21:10	1
Acetone	ND		10		ug/L			03/28/24 21:10	1
Benzene	ND		5.0		ug/L			03/28/24 21:10	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 21:10	1
Bromoform	ND		5.0		ug/L			03/28/24 21:10	1
Bromomethane	ND		5.0		ug/L			03/28/24 21:10	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 21:10	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 21:10	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 21:10	1
Chloroethane	ND		5.0		ug/L			03/28/24 21:10	1
Chloroform	ND		5.0		ug/L			03/28/24 21:10	1
Chloromethane	ND		5.0		ug/L			03/28/24 21:10	1
cis-1,2-Dichloroethene	**63**		5.0		ug/L			03/28/24 21:10	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 21:10	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 21:10	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 21:10	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 21:10	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 21:10	1
Styrene	ND		5.0		ug/L			03/28/24 21:10	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 21:10	1
Toluene	ND		5.0		ug/L			03/28/24 21:10	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 21:10	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 21:10	1
Trichloroethene	ND		5.0		ug/L			03/28/24 21:10	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 21:10	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 21:10	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 21:10	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/28/24 21:10*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*03/28/24 21:10*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*03/28/24 21:10*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/28/24 21:10*	*1*

Client Sample ID: TRIP BLANK

Date Collected: 03/27/24 00:00
Date Received: 03/27/24 19:11

Lab Sample ID: 480-218197-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			03/28/24 17:50	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/28/24 17:50	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/24 17:50	1
1,1-Dichloroethane	ND		5.0		ug/L			03/28/24 17:50	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-218197-10

Date Collected: 03/27/24 00:00
Matrix: Water
Date Received: 03/27/24 19:11

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			03/28/24 17:50	1
1,2-Dichloroethane	ND		5.0		ug/L			03/28/24 17:50	1
1,2-Dichloropropane	ND		5.0		ug/L			03/28/24 17:50	1
2-Butanone (MEK)	ND		10		ug/L			03/28/24 17:50	1
2-Hexanone	ND		10		ug/L			03/28/24 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/28/24 17:50	1
Acetone	ND		10		ug/L			03/28/24 17:50	1
Benzene	ND		5.0		ug/L			03/28/24 17:50	1
Bromodichloromethane	ND		5.0		ug/L			03/28/24 17:50	1
Bromoform	ND		5.0		ug/L			03/28/24 17:50	1
Bromomethane	ND		5.0		ug/L			03/28/24 17:50	1
Carbon disulfide	ND		5.0		ug/L			03/28/24 17:50	1
Carbon tetrachloride	ND		5.0		ug/L			03/28/24 17:50	1
Chlorobenzene	ND		5.0		ug/L			03/28/24 17:50	1
Chloroethane	ND		5.0		ug/L			03/28/24 17:50	1
Chloroform	ND		5.0		ug/L			03/28/24 17:50	1
Chloromethane	ND		5.0		ug/L			03/28/24 17:50	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 17:50	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 17:50	1
Dibromochloromethane	ND		5.0		ug/L			03/28/24 17:50	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/24 17:50	1
Ethylbenzene	ND		5.0		ug/L			03/28/24 17:50	1
Methylene Chloride	ND		5.0		ug/L			03/28/24 17:50	1
Styrene	ND		5.0		ug/L			03/28/24 17:50	1
Tetrachloroethene	ND		5.0		ug/L			03/28/24 17:50	1
Toluene	ND		5.0		ug/L			03/28/24 17:50	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			03/28/24 17:50	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			03/28/24 17:50	1
Trichloroethene	ND		5.0		ug/L			03/28/24 17:50	1
Trichlorofluoromethane	ND		5.0		ug/L			03/28/24 17:50	1
Vinyl acetate	ND		5.0		ug/L			03/28/24 17:50	1
Vinyl chloride	ND		5.0		ug/L			03/28/24 17:50	1
Xylenes, Total	ND		5.0		ug/L			03/28/24 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/28/24 17:50*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*03/28/24 17:50*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/28/24 17:50*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/28/24 17:50*	*1*