MATRIX
ENVIRONMENTAL TECHNOLOGIES INC.
Remediation, Water Treatment and Environmental Engineering
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August 15, 2024

Mr. Benjamin McPherson, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203

Re: April 2024 Groundwater Monitoring Report
Lakeside Village Apartments
65-67 Lake Avenue
Lancaster, NY 14086
BCP Site #C915344
METI Project #18-046

Dear Mr. McPherson:

Enclosed are the results of the groundwater monitoring event completed on April 16, 2024 at the above referenced site. Monitoring wells MW1 and MW4 through MW9 were gauged and sampled using low-flow sampling techniques. Samples from all wells were submitted for laboratory analysis of Target Compound List VOCs by EPA Method 8260 and samples from MW1, MW4, and MW5 were also submitted for analysis of post-injection monitoring parameters.

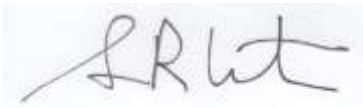
Laboratory analytical results indicate that manganese and chloride remain elevated in MW1 compared to baseline levels within the groundwater plume, which is indicative of oxidant distribution across the target treatment area and the subsequent oxidation of chlorinated VOCs. There is no evidence of metals mobilization to hazardous levels as a result of the injection. Tetrachloroethene concentrations were non-detect in samples collected from all monitoring wells with the exception of MW1 and MW5, where concentrations are lower than pre-remediation results and continue to follow a declining trend.

Post-injection monitoring and evaluation of post-remediation groundwater data is ongoing. The next quarterly sampling event is scheduled to be completed in August 2024.

Please contact us with any questions or comments.

Sincerely,
Matrix Environmental Technologies Inc.

Christine M. Curtis, P.E.
Senior Engineer



Sean R. Carter, P.E.
Principal Engineer

Attachments: Table 1 – Groundwater Elevations Summary
Table 2 – Groundwater VOC Concentrations
Table 3 – Post-Injection Monitoring Results

Table 4 – Historical Groundwater Data Summary
Figure 1 – Groundwater Elevations and Contaminant Concentrations
Laboratory Analytical Report
Field Data Sheets

cc: Mr. Mark Aquino, 65 Lake Avenue LLC

TABLES

Table 1
Groundwater Elevations Summary (feet)

Lakeside Village Apartments
65-67 Lake Avenue, Lancaster, New York
BCP Site No. C915344

April 16, 2024

Well ID	Casing Elevation	Depth to Product	Depth to Water	Product Thickness	Adj. Depth to Water	Groundwater Elevations
MW1	668.47	-	5.23	-	5.23	663.24
MW4	667.44	-	5.90	-	5.90	661.54
MW5	667.06	-	4.23	-	4.23	662.83
MW6	668.09	-	10.06	-	10.06	658.03
MW7	664.37	-	7.13	-	7.13	657.24
MW8	667.48	-	5.02	-	5.02	662.46
MW9	666.47	-	7.66	-	7.66	658.81

NG = Not Gauged

Table 2
Groundwater VOC Concentrations

Lakeside Village Apartments
65-67 Lake Avenue, Lancaster, New York
BCP Site No. C915344

April 16, 2024

PARAMETER	NYS Water Quality Standard or Guidance Value	MW1		MW4		MW5		MW6		MW7		MW8		MW9	
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		ND		ND		ND	
Tetrachloroethene	5	**21**		ND		**130**	E	ND		ND		ND		ND	
trans-1,2-Dichloroethene	5	ND		ND		ND		ND		ND		ND		ND	
Trichloroethene	5	ND		ND		3.0		ND		ND		ND		ND	
Vinyl chloride	2	ND		ND		ND		ND		ND		ND		ND	
	Total	21		ND		133		ND		ND		ND		ND	

NOTES:
1. Analytical testing for VOCs via EPA Method 8260 by Eurofins TestAmerica Buffalo.
2. Results present in ug/L.
3. ND = Not Detected
4. "E" = result exceeded calibration range
5. Results and regulatory standards are shown for select compounds only. For full list of analytes, refer to the laboratory analytical report.
6. Bold text indicates exceedance of NYS Ambient Water Quality Standard (TOGS 1.1.1) for Class GA waters.

Table 3
Post-Injection Monitoring Results

Lakeside Village Apartments
65-67 Lake Avenue, Lancaster, New York
BCP Site No. C915344

April 16, 2024

PARAMETER	Analytical Method	Units	NYS Water Quality Standard or Guidance Value	MW1		MW4		MW5	
Arsenic	6010C	µg/L	25	ND		ND		ND	
Barium	6010C	µg/L	1,000	3.7		30		26	
Beryllium	6010C	µg/L	3	ND		ND		ND	
Cadmium	6010C	µg/L	5	ND		ND		ND	
Copper	6010C	µg/L	300	3.8	J	5.5	J	67	
Lead	6010C	µg/L	25	ND		ND		ND	
Manganese	6010C	µg/L	300	300		ND		17	
Nickel	6010C	µg/L	100	1.9	J	1.4	J	3.0	J
Selenium	6010C	µg/L	10	ND		ND		ND	
Silver	6010C	µg/L	50	ND		ND		ND	
Zinc	6010C	µg/L	2,000	20		14		13	
Mercury	7470A	µg/L	0.7	ND		ND		0.11	J
Chromium (Hexavalent)	7196A	µg/L	50	28	H H3	10		6.2	J H
Chromium (Trivalent)	SM 3500 CR D	µg/L	NA	ND		ND		ND	
Cyanide	9012B	µg/L	200	7.3	J B	ND		ND	
Chloride	SM 4500 Cl-E	mg/L	250	235		4.5		68.4	
Potassium Permanganate	SM 4500 KMnO4	mg/L	NA	ND	H H3	ND	H	ND	H

NOTES:

1. Analytical testing by Eurofins TestAmerica Buffalo.
2. ND = Not Detected
3. "J" = value is estimated; "H" = sample was prepped or analyzed beyond the specified holding time; "H3" = "sample was received and analyzed past the specified holding time; "B" = compound was found in the blank and sample
4. Bold text indicates exceedance of NYS Ambient Water Quality Standard (TOGS 1.1.1) for Class GA waters.

TABLE 4

Historical Groundwater Data Summary

Lakeside Village Apartments
65-67 Lake Avenue, Lancaster, New York
BCP Site No. C915344

Well ID	Casing Elevation (feet)	Sampling Date	Depth to Water (feet)	Groundwater Elevation (feet)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl chloride (µg/L)	Total VOCs (µg/L)	KMnO4 (mg/L)	Manganese (µg/L)	Chloride mg/L
MW1	668.47	08/11/20	5.51	662.96	180	2.3	ND	ND	ND	182	NA	ND	NA
		08/31/21	5.43	663.04	85	0.93	ND	ND	ND	86	NA	NA	NA
		09/19/23	5.58	662.89	78	0.92	ND	ND	ND	79	NA	NA	NA
		01/05/24	5.52	662.95	35	ND	ND	ND	ND	35	ND	1,200	231
		04/16/24	5.23	663.24	21	ND	ND	ND	ND	21	ND	300	235
MW2	667.97	08/10/20	5.55	662.42	2,200	160	670	11	20	3,061	NA	NA	NA
		08/31/21	5.07	662.90	3,200	160	830	ND	ND	4,190	NA	NA	NA
		09/19/23	5.95	662.02	1,300	85	620	ND	ND	2,005	NA	NA	120
		WELL DESTROYED											
MW3	666.81	08/11/20	7.71	659.10	2.9	1.2	ND	ND	ND	4.1	NA	NA	NA
		08/31/21	7.34	659.47	15	18	23	1.3	1.7	62	NA	NA	NA
		09/19/23	6.72	660.09	18	15	13	ND	ND	46	NA	NA	NA
		WELL DESTROYED											
MW4	667.44	08/10/20	10.08	657.36	ND	ND	ND	ND	ND	ND	NA	NA	NA
		08/31/21	10.90	656.54	ND	ND	ND	ND	ND	ND	NA	NA	NA
		09/19/23	11.50	655.94	ND	ND	ND	ND	ND	ND	NA	NA	NA
		01/05/24	6.74	660.70	ND	ND	ND	ND	ND	ND	ND	17	31.3
		04/16/24	5.90	661.54	ND	ND	ND	ND	ND	ND	ND	ND	4.5
MW5	667.06	08/11/20	8.05	659.01	480	33	140	5.3	ND	658	NA	46	NA
		08/31/21	6.46	660.60	580	30	56	ND	ND	666	NA	NA	NA
		09/19/23	6.77	660.29	400	22	61	ND	ND	483	NA	NA	NA
		01/05/24	4.44	662.62	140	2.8	ND	ND	ND	143	ND	46	98.0
		04/16/24	4.23	662.83	130	3.0	ND	ND	ND	133	ND	17	68.4
MW6	668.09	08/12/20	11.20	656.89	ND	ND	ND	ND	ND	ND	NA	NA	NA
		08/31/21	11.29	656.80	ND	ND	ND	ND	ND	4.1	NA	NA	NA
		09/19/23	12.17	655.92	ND	ND	ND	ND	ND	ND	NA	NA	NA
		01/05/24	NG	NG	NS	NS	NS	NS	NS	NS	NA	NA	NS
		04/16/24	10.06	658.03	ND	ND	ND	ND	ND	ND	NA	NA	NA

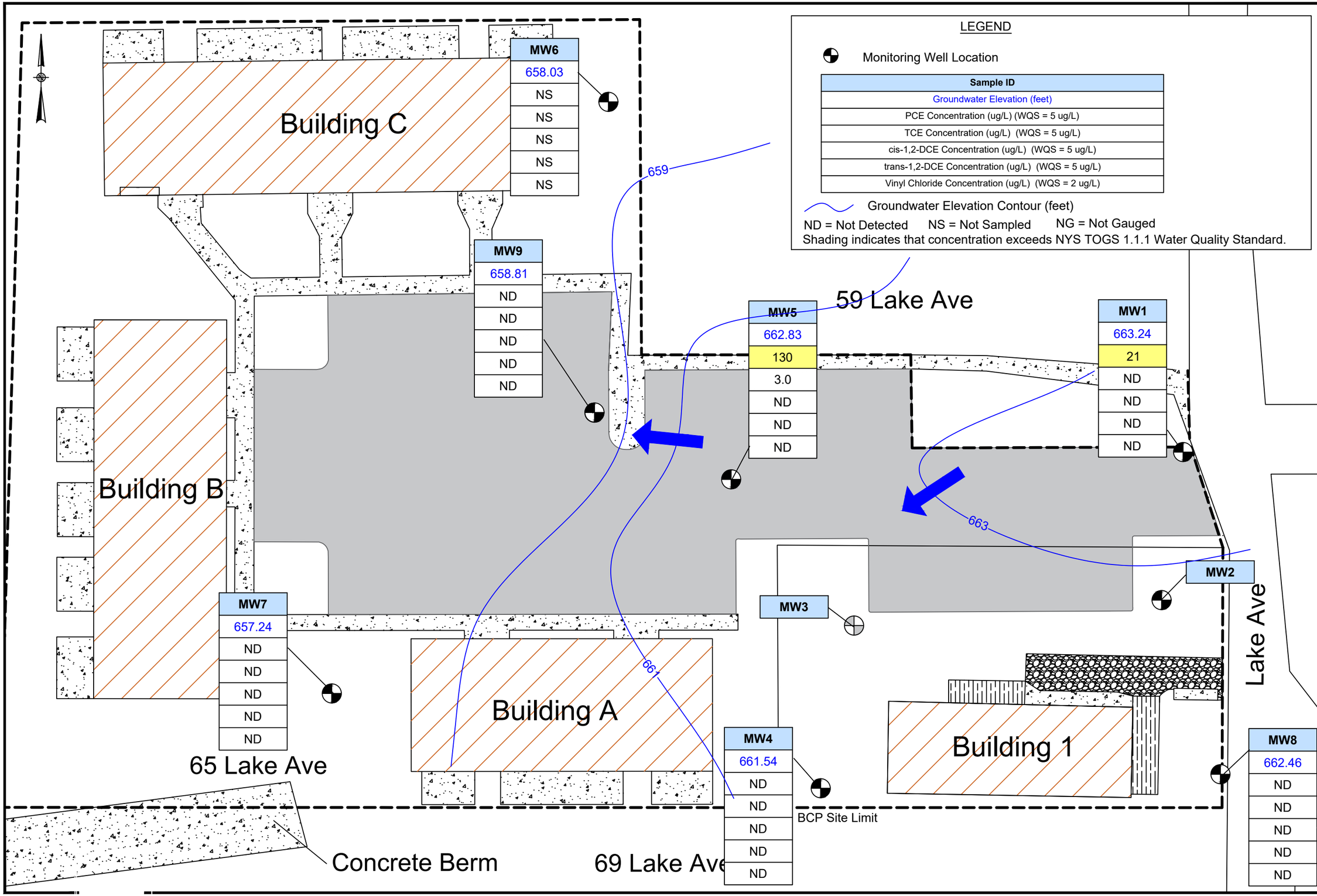
TABLE 4 (Continued)
Historical Groundwater Data Summary

Lakeside Village Apartments
65-67 Lake Avenue, Lancaster, New York
BCP Site No. C915344

Well ID	Casing Elevation (feet)	Sampling Date	Depth to Water (feet)	Groundwater Elevation (feet)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl chloride (µg/L)	Total VOCs (µg/L)	KMnO4 (mg/L)	Manganese (µg/L)	Chloride mg/L
MW7	664.37	08/12/20	8.44	655.93	ND	ND	ND	ND	ND	ND	NA	NA	NA
		08/31/21	8.36	656.01	ND	ND	ND	ND	ND	ND	NA	NA	NA
		09/19/23	8.51	655.86	ND	ND	ND	ND	ND	ND	NA	NA	NA
		01/05/24	7.55	656.82	ND	ND	ND	ND	ND	ND	NA	NA	NA
		04/16/24	7.13	657.24	ND	ND	ND	ND	ND	ND	NA	NA	NA
MW8	667.48	08/11/20	7.78	659.70	ND	ND	ND	ND	ND	ND	NA	NA	NA
		08/31/21	7.79	659.69	ND	ND	ND	ND	ND	ND	NA	NA	NA
		09/19/23	8.06	659.42	ND	ND	ND	ND	ND	ND	NA	NA	NA
		01/05/24	6.43	661.05	ND	ND	ND	ND	ND	ND	NA	NA	NA
		04/16/24	5.02	662.46	ND	ND	ND	ND	ND	ND	NA	NA	NA
MW9	666.47	08/31/21	8.38	658.09	ND	ND	1.3	ND	ND	1.5	NA	NA	NA
		09/19/23	9.17	657.30	ND	ND	ND	ND	ND	ND	NA	NA	102
		01/05/24	8.01	658.46	ND	ND	ND	ND	ND	ND	NA	NA	NA
		04/16/24	7.66	658.81	ND	ND	ND	ND	ND	ND	NA	NA	NA

ND = not detected NA = not analyzed NG = not gauged NS = not sampled

FIGURE



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PROJECT MGR: SLM

DESIGNED BY: CMC

REVIEWED BY: SRC

DRAWN BY: CMC

REVISION

BY	DATE
CMC	6/19/24

SCALE IN FEET: 1" = 20'

0 20

PROJECT NAME / LOCATION:

Lakeside Village Apartments
65-67 Lake Avenue
Lancaster, New York

BCP Site No. C915344

TITLE:

Groundwater Elevations and Contaminant Concentrations

DATE: April 16, 2024

PROJECT NO.: 18-046

FIGURE: 1

LABORATORY ANALYTICAL REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Christine Curtis
Matrix Environmental Technologies Inc
3730 California Road
PO BOX 427
Orchard Park, New York 14127

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JOB DESCRIPTION

Project # 18-046 - Lakeside Village Apts

JOB NUMBER

480-218930-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Eurofins Buffalo

Job Notes

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-218930-1 Eurofins Buffalo

Job Narrative
480-218930-1

Receipt
The samples were received on 4/17/2024 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

Receipt Exceptions
MS/MSD sample points received/ listed on coc. However, parent point for qc association was not listed and could not be assigned as a result.

MW1 (480-218930-1), MW4 (480-218930-2), MW5 (480-218930-3), MW6 (480-218930-4), MW7 (480-218930-5), MW7 (480-218930-5[MS]), MW7 (480-218930-5[MSD]), MW8 (480-218930-6) and MW9 (480-218930-7)

The following samples for SM4500_KMNO4 Pottasium Permanganate was received outside of holding time: MW1 (480-218930-1), MW4 (480-218930-2) and MW5 (480-218930-3).

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-708458 recovered above the upper control limit for 2-Butanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW1 (480-218930-1), MW4 (480-218930-2), MW5 (480-218930-3), MW6 (480-218930-4), MW7 (480-218930-5), MW8 (480-218930-6) and MW9 (480-218930-7).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-708458 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane, 1,1-Dichloroethane, Carbon disulfide, Chloromethane, cis-1,2-Dichloroethene and trans-1,2-Dichloroethene. 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: MW1 (480-218930-1), MW4 (480-218930-2), MW5 (480-218930-3), MW6 (480-218930-4), MW7 (480-218930-5), MW8 (480-218930-6) and MW9 (480-218930-7).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-708458 were outside control limits for one or more analytes. See QC Sample Results for detail. The associated sample is impacted: MW7 (480-218930-5[MSD]).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-708617 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The sample associated with this CCV was non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: MW5 (480-218930-3).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW5 (480-218930-3). 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.

HPLC/IC
Method 9056A: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW1 (480-218930-1). Elevated reporting limits (RLs) are provided.

Method 9056A: The following sample was diluted due to the nature of the sample matrix: MW5 (480-218930-3). 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.

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

General Chemistry
Method 7196A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW1 (480-218930-1) and MW5 (480-218930-3).

Method 7196A: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to difference in parent and dupe sample results.
: MW4 (480-218930-2).

Job ID: 480-218930-1 (Continued)

Methods 9251, SM 4500 Cl- E: The method blank for analytical batch 480-709122 contained chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM4500 KMnO4: The following samples were received outside of holding time: MW1 (480-218930-1), MW4 (480-218930-2) and MW5 (480-218930-3).

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

Detection Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW1 — Lab Sample ID: 480-218930-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	21		1.0	0.36	ug/L	1		8260C	Total/NA
Barium	0.0037		0.0020	0.00070	mg/L	1		6010C	Total/NA
Copper	0.0038	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Manganese	0.30		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0019	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.020		0.010	0.0015	mg/L	1		6010C	Total/NA
Chromium, hexavalent	0.028	H H3	0.010	0.0050	mg/L	1		7196A	Total/NA
Cyanide, Total	0.0073	J B	0.010	0.0041	mg/L	1		9012B	Total/NA
Chloride	235		2.5	1.4	mg/L	5		9056A	Total/NA

Client Sample ID: MW4 — Lab Sample ID: 480-218930-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.030		0.0020	0.00070	mg/L	1		6010C	Total/NA
Copper	0.0055	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Nickel	0.0014	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.014		0.010	0.0015	mg/L	1		6010C	Total/NA
Chromium, hexavalent	0.010		0.010	0.0050	mg/L	1		7196A	Total/NA
Chloride	4.5		0.50	0.28	mg/L	1		9056A	Total/NA

Client Sample ID: MW5 — Lab Sample ID: 480-218930-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	130	E	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	3.0		1.0	0.46	ug/L	1		8260C	Total/NA
Tetrachloroethene - DL	110		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene - DL	2.5		2.0	0.92	ug/L	2		8260C	Total/NA
Barium	0.026		0.0020	0.00070	mg/L	1		6010C	Total/NA
Copper	0.067		0.010	0.0016	mg/L	1		6010C	Total/NA
Manganese	0.017		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0030	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.013		0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.00011	J	0.00020	0.000042	mg/L	1		7470A	Total/NA
Chromium, hexavalent	0.0062	J H	0.010	0.0050	mg/L	1		7196A	Total/NA
Chloride	68.4		1.0	0.56	mg/L	2		9056A	Total/NA

Client Sample ID: MW6 — Lab Sample ID: 480-218930-4

No Detections.

Client Sample ID: MW7 — Lab Sample ID: 480-218930-5

No Detections.

Client Sample ID: MW8 — Lab Sample ID: 480-218930-6

No Detections.

Client Sample ID: MW9 — Lab Sample ID: 480-218930-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW1
Lab Sample ID: 480-218930-1
Date Collected: 04/16/24 09:20
Matrix: Water
Date Received: 04/17/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*+	1.0	0.82	ug/L			04/19/24 16:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/24 16:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/24 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/24 16:27	1
1,1-Dichloroethane	ND	*+	1.0	0.38	ug/L			04/19/24 16:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/24 16:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/24 16:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/24 16:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/24 16:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/24 16:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/24 16:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/24 16:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/24 16:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/24 16:27	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/24 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/24 16:27	1
Acetone	ND		10	3.0	ug/L			04/19/24 16:27	1
Benzene	ND		1.0	0.41	ug/L			04/19/24 16:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/24 16:27	1
Bromoform	ND		1.0	0.26	ug/L			04/19/24 16:27	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/24 16:27	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			04/19/24 16:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/24 16:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/24 16:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/24 16:27	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/24 16:27	1
Chloroform	ND		1.0	0.34	ug/L			04/19/24 16:27	1
Chloromethane	ND	*+	1.0	0.35	ug/L			04/19/24 16:27	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.81	ug/L			04/19/24 16:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/24 16:27	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/24 16:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/24 16:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/24 16:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/24 16:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/24 16:27	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/24 16:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/24 16:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/24 16:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/24 16:27	1
Styrene	ND		1.0	0.73	ug/L			04/19/24 16:27	1
Tetrachloroethene	**21**		1.0	0.36	ug/L			04/19/24 16:27	1
Toluene	ND		1.0	0.51	ug/L			04/19/24 16:27	1
trans-1,2-Dichloroethene	ND	*+	1.0	0.90	ug/L			04/19/24 16:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/24 16:27	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/24 16:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/24 16:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/24 16:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/24 16:27	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW1
Lab Sample ID: 480-218930-1

Date Collected: 04/16/24 09:20
Matrix: Water

Date Received: 04/17/24 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/19/24 16:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*04/19/24 16:27*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*04/19/24 16:27*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*04/19/24 16:27*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/19/24 09:49	04/25/24 03:02	1
Barium	**0.0037**		0.0020	0.00070	mg/L		04/19/24 09:49	04/25/24 03:02	1
Beryllium	ND		0.0020	0.00030	mg/L		04/19/24 09:49	04/25/24 03:02	1
Cadmium	ND		0.0020	0.00050	mg/L		04/19/24 09:49	04/25/24 03:02	1
Copper	**0.0038**	**J**	0.010	0.0016	mg/L		04/19/24 09:49	04/25/24 03:02	1
Lead	ND		0.010	0.0030	mg/L		04/19/24 09:49	04/25/24 03:02	1
Manganese	**0.30**		0.0030	0.00040	mg/L		04/19/24 09:49	04/25/24 03:02	1
Nickel	**0.0019**	**J**	0.010	0.0013	mg/L		05/02/24 09:25	05/02/24 21:58	1
Selenium	ND		0.025	0.0087	mg/L		04/19/24 09:49	04/25/24 03:02	1
Silver	ND		0.0060	0.0017	mg/L		04/19/24 09:49	04/25/24 18:59	1
Zinc	**0.020**		0.010	0.0015	mg/L		04/19/24 09:49	04/25/24 18:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		04/24/24 12:10	04/24/24 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	**0.028**	**H H3**	0.010	0.0050	mg/L			04/17/24 11:30	1
Cyanide, Total (SW846 9012B)	**0.0073**	**J B**	0.010	0.0041	mg/L			04/18/24 11:08	1
Chloride (SW846 9056A)	**235**		2.5	1.4	mg/L			04/24/24 18:21	5
Potassium Permanganate (SM4500 KMnO4)	ND	H H3	1.0	0.13	mg/L			04/24/24 17:28	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW4
Lab Sample ID: 480-218930-2
Date Collected: 04/16/24 13:00
Matrix: Water
Date Received: 04/17/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*+	1.0	0.82	ug/L			04/19/24 16:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/24 16:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/24 16:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/24 16:50	1
1,1-Dichloroethane	ND	*+	1.0	0.38	ug/L			04/19/24 16:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/24 16:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/24 16:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/24 16:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/24 16:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/24 16:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/24 16:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/24 16:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/24 16:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/24 16:50	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/24 16:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/24 16:50	1
Acetone	ND		10	3.0	ug/L			04/19/24 16:50	1
Benzene	ND		1.0	0.41	ug/L			04/19/24 16:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/24 16:50	1
Bromoform	ND		1.0	0.26	ug/L			04/19/24 16:50	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/24 16:50	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			04/19/24 16:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/24 16:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/24 16:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/24 16:50	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/24 16:50	1
Chloroform	ND		1.0	0.34	ug/L			04/19/24 16:50	1
Chloromethane	ND	*+	1.0	0.35	ug/L			04/19/24 16:50	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.81	ug/L			04/19/24 16:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/24 16:50	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/24 16:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/24 16:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/24 16:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/24 16:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/24 16:50	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/24 16:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/24 16:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/24 16:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/24 16:50	1
Styrene	ND		1.0	0.73	ug/L			04/19/24 16:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/24 16:50	1
Toluene	ND		1.0	0.51	ug/L			04/19/24 16:50	1
trans-1,2-Dichloroethene	ND	*+	1.0	0.90	ug/L			04/19/24 16:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/24 16:50	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/24 16:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/24 16:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/24 16:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/24 16:50	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW4
Date Collected: 04/16/24 13:00
Date Received: 04/17/24 10:00

Lab Sample ID: 480-218930-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/19/24 16:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*04/19/24 16:50*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*04/19/24 16:50*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*04/19/24 16:50*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/19/24 09:49	04/25/24 03:05	1
Barium	**0.030**		0.0020	0.00070	mg/L		04/19/24 09:49	04/25/24 03:05	1
Beryllium	ND		0.0020	0.00030	mg/L		04/19/24 09:49	04/25/24 03:05	1
Cadmium	ND		0.0020	0.00050	mg/L		04/19/24 09:49	04/25/24 03:05	1
Copper	**0.0055**	**J**	0.010	0.0016	mg/L		04/19/24 09:49	04/25/24 03:05	1
Lead	ND		0.010	0.0030	mg/L		04/19/24 09:49	04/25/24 03:05	1
Manganese	ND		0.0030	0.00040	mg/L		04/19/24 09:49	04/25/24 03:05	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		05/02/24 09:25	05/02/24 22:00	1
Selenium	ND		0.025	0.0087	mg/L		04/19/24 09:49	04/25/24 03:05	1
Silver	ND		0.0060	0.0017	mg/L		04/19/24 09:49	04/25/24 19:03	1
Zinc	**0.014**		0.010	0.0015	mg/L		04/19/24 09:49	04/25/24 19:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		04/24/24 12:10	04/24/24 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	**0.010**		0.010	0.0050	mg/L			04/17/24 11:30	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			04/18/24 11:11	1
Chloride (SW846 9056A)	**4.5**		0.50	0.28	mg/L			04/24/24 19:51	1
Potassium Permanganate (SM4500 KMnO4)	ND	H	1.0	0.13	mg/L			04/24/24 17:30	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW5
Lab Sample ID: 480-218930-3
Date Collected: 04/16/24 10:30
Matrix: Water
Date Received: 04/17/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*+	1.0	0.82	ug/L			04/19/24 17:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/24 17:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/24 17:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/24 17:12	1
1,1-Dichloroethane	ND	*+	1.0	0.38	ug/L			04/19/24 17:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/24 17:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/24 17:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/24 17:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/24 17:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/24 17:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/24 17:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/24 17:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/24 17:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/24 17:12	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/24 17:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/24 17:12	1
Acetone	ND		10	3.0	ug/L			04/19/24 17:12	1
Benzene	ND		1.0	0.41	ug/L			04/19/24 17:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/24 17:12	1
Bromoform	ND		1.0	0.26	ug/L			04/19/24 17:12	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/24 17:12	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			04/19/24 17:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/24 17:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/24 17:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/24 17:12	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/24 17:12	1
Chloroform	ND		1.0	0.34	ug/L			04/19/24 17:12	1
Chloromethane	ND	*+	1.0	0.35	ug/L			04/19/24 17:12	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.81	ug/L			04/19/24 17:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/24 17:12	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/24 17:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/24 17:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/24 17:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/24 17:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/24 17:12	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/24 17:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/24 17:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/24 17:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/24 17:12	1
Styrene	ND		1.0	0.73	ug/L			04/19/24 17:12	1
Tetrachloroethene	**130**	**E**	1.0	0.36	ug/L			04/19/24 17:12	1
Toluene	ND		1.0	0.51	ug/L			04/19/24 17:12	1
trans-1,2-Dichloroethene	ND	*+	1.0	0.90	ug/L			04/19/24 17:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/24 17:12	1
Trichloroethene	**3.0**		1.0	0.46	ug/L			04/19/24 17:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/24 17:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/24 17:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/24 17:12	1

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-218930-1

Client Sample ID: MW5

Date Collected: 04/16/24 10:30
Date Received: 04/17/24 10:00

Lab Sample ID: 480-218930-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/19/24 17:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*04/19/24 17:12*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*04/19/24 17:12*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*04/19/24 17:12*	*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		2.0	1.6	ug/L			04/20/24 13:50	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			04/20/24 13:50	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			04/20/24 13:50	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			04/20/24 13:50	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			04/20/24 13:50	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			04/20/24 13:50	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			04/20/24 13:50	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			04/20/24 13:50	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			04/20/24 13:50	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			04/20/24 13:50	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			04/20/24 13:50	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			04/20/24 13:50	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			04/20/24 13:50	2
2-Butanone (MEK)	ND		20	2.6	ug/L			04/20/24 13:50	2
2-Hexanone	ND		10	2.5	ug/L			04/20/24 13:50	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			04/20/24 13:50	2
Acetone	ND		20	6.0	ug/L			04/20/24 13:50	2
Benzene	ND		2.0	0.82	ug/L			04/20/24 13:50	2
Bromodichloromethane	ND		2.0	0.78	ug/L			04/20/24 13:50	2
Bromoform	ND		2.0	0.52	ug/L			04/20/24 13:50	2
Bromomethane	ND		2.0	1.4	ug/L			04/20/24 13:50	2
Carbon disulfide	ND		2.0	0.38	ug/L			04/20/24 13:50	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			04/20/24 13:50	2
Chlorobenzene	ND		2.0	1.5	ug/L			04/20/24 13:50	2
Dibromochloromethane	ND		2.0	0.64	ug/L			04/20/24 13:50	2
Chloroethane	ND		2.0	0.64	ug/L			04/20/24 13:50	2
Chloroform	ND		2.0	0.68	ug/L			04/20/24 13:50	2
Chloromethane	ND		2.0	0.70	ug/L			04/20/24 13:50	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			04/20/24 13:50	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			04/20/24 13:50	2
Cyclohexane	ND		2.0	0.36	ug/L			04/20/24 13:50	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			04/20/24 13:50	2
Ethylbenzene	ND		2.0	1.5	ug/L			04/20/24 13:50	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			04/20/24 13:50	2
Isopropylbenzene	ND		2.0	1.6	ug/L			04/20/24 13:50	2
Methyl acetate	ND		5.0	2.6	ug/L			04/20/24 13:50	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			04/20/24 13:50	2
Methylcyclohexane	ND		2.0	0.32	ug/L			04/20/24 13:50	2
Methylene Chloride	ND		2.0	0.88	ug/L			04/20/24 13:50	2
Styrene	ND		2.0	1.5	ug/L			04/20/24 13:50	2
Tetrachloroethene	**110**		2.0	0.72	ug/L			04/20/24 13:50	2
Toluene	ND		2.0	1.0	ug/L			04/20/24 13:50	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			04/20/24 13:50	2

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW5
Lab Sample ID: 480-218930-3
Date Collected: 04/16/24 10:30
Matrix: Water
Date Received: 04/17/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			04/20/24 13:50	2
Trichloroethene	**2.5**		2.0	0.92	ug/L			04/20/24 13:50	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			04/20/24 13:50	2
Vinyl chloride	ND		2.0	1.8	ug/L			04/20/24 13:50	2
Xylenes, Total	ND		4.0	1.3	ug/L			04/20/24 13:50	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/20/24 13:50*	*2*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*04/20/24 13:50*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/20/24 13:50*	*2*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*04/20/24 13:50*	*2*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/19/24 09:49	04/25/24 03:09	1
Barium	**0.026**		0.0020	0.00070	mg/L		04/19/24 09:49	04/25/24 03:09	1
Beryllium	ND		0.0020	0.00030	mg/L		04/19/24 09:49	04/25/24 03:09	1
Cadmium	ND		0.0020	0.00050	mg/L		04/19/24 09:49	04/25/24 03:09	1
Copper	**0.067**		0.010	0.0016	mg/L		04/19/24 09:49	04/25/24 03:09	1
Lead	ND		0.010	0.0030	mg/L		04/19/24 09:49	04/25/24 03:09	1
Manganese	**0.017**		0.0030	0.00040	mg/L		04/19/24 09:49	04/25/24 03:09	1
Nickel	**0.0030**	**J**	0.010	0.0013	mg/L		04/19/24 09:49	04/25/24 03:09	1
Selenium	ND		0.025	0.0087	mg/L		04/19/24 09:49	04/25/24 03:09	1
Silver	ND		0.0060	0.0017	mg/L		04/19/24 09:49	04/25/24 19:06	1
Zinc	**0.013**		0.010	0.0015	mg/L		04/19/24 09:49	04/25/24 19:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00011**	**J**	0.00020	0.000042	mg/L		04/24/24 12:10	04/24/24 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	**0.0062**	**J H**	0.010	0.0050	mg/L			04/17/24 11:30	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0041	mg/L			04/18/24 11:13	1
Chloride (SW846 9056A)	**68.4**		1.0	0.56	mg/L			04/24/24 20:09	2
Potassium Permanganate (SM4500 KMnO4)	ND	H	1.0	0.13	mg/L			04/24/24 17:32	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW6
Lab Sample ID: 480-218930-4
Date Collected: 04/16/24 12:25
Matrix: Water
Date Received: 04/17/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*+	1.0	0.82	ug/L			04/19/24 17:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/24 17:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/24 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/24 17:34	1
1,1-Dichloroethane	ND	*+	1.0	0.38	ug/L			04/19/24 17:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/24 17:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/24 17:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/24 17:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/24 17:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/24 17:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/24 17:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/24 17:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/24 17:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/24 17:34	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/24 17:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/24 17:34	1
Acetone	ND		10	3.0	ug/L			04/19/24 17:34	1
Benzene	ND		1.0	0.41	ug/L			04/19/24 17:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/24 17:34	1
Bromoform	ND		1.0	0.26	ug/L			04/19/24 17:34	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/24 17:34	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			04/19/24 17:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/24 17:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/24 17:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/24 17:34	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/24 17:34	1
Chloroform	ND		1.0	0.34	ug/L			04/19/24 17:34	1
Chloromethane	ND	*+	1.0	0.35	ug/L			04/19/24 17:34	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.81	ug/L			04/19/24 17:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/24 17:34	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/24 17:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/24 17:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/24 17:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/24 17:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/24 17:34	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/24 17:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/24 17:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/24 17:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/24 17:34	1
Styrene	ND		1.0	0.73	ug/L			04/19/24 17:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/24 17:34	1
Toluene	ND		1.0	0.51	ug/L			04/19/24 17:34	1
trans-1,2-Dichloroethene	ND	*+	1.0	0.90	ug/L			04/19/24 17:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/24 17:34	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/24 17:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/24 17:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/24 17:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/24 17:34	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW6
Lab Sample ID: 480-218930-4
Date Collected: 04/16/24 12:25
Matrix: Water
Date Received: 04/17/24 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		04/19/24 17:34	1
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		04/19/24 17:34	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/19/24 17:34	1
Dibromofluoromethane (Surr)	114		75 - 123		04/19/24 17:34	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW7
Lab Sample ID: 480-218930-5
Date Collected: 04/16/24 11:40
Matrix: Water
Date Received: 04/17/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*+	1.0	0.82	ug/L			04/19/24 17:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/24 17:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/24 17:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/24 17:57	1
1,1-Dichloroethane	ND	*+	1.0	0.38	ug/L			04/19/24 17:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/24 17:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/24 17:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/24 17:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/24 17:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/24 17:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/24 17:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/24 17:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/24 17:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/24 17:57	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/24 17:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/24 17:57	1
Acetone	ND		10	3.0	ug/L			04/19/24 17:57	1
Benzene	ND		1.0	0.41	ug/L			04/19/24 17:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/24 17:57	1
Bromoform	ND		1.0	0.26	ug/L			04/19/24 17:57	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/24 17:57	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			04/19/24 17:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/24 17:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/24 17:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/24 17:57	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/24 17:57	1
Chloroform	ND		1.0	0.34	ug/L			04/19/24 17:57	1
Chloromethane	ND	F1 *+	1.0	0.35	ug/L			04/19/24 17:57	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.81	ug/L			04/19/24 17:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/24 17:57	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/24 17:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/24 17:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/24 17:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/24 17:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/24 17:57	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/24 17:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/24 17:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/24 17:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/24 17:57	1
Styrene	ND		1.0	0.73	ug/L			04/19/24 17:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/24 17:57	1
Toluene	ND		1.0	0.51	ug/L			04/19/24 17:57	1
trans-1,2-Dichloroethene	ND	*+	1.0	0.90	ug/L			04/19/24 17:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/24 17:57	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/24 17:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/24 17:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/24 17:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/24 17:57	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW7
Lab Sample ID: 480-218930-5
Date Collected: 04/16/24 11:40
Matrix: Water
Date Received: 04/17/24 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		04/19/24 17:57	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		04/19/24 17:57	1
4-Bromofluorobenzene (Surr)	92		73 - 120		04/19/24 17:57	1
Dibromofluoromethane (Surr)	100		75 - 123		04/19/24 17:57	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW8
Lab Sample ID: 480-218930-6
Date Collected: 04/16/24 10:05
Matrix: Water
Date Received: 04/17/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*+	1.0	0.82	ug/L			04/19/24 18:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/24 18:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/24 18:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/24 18:20	1
1,1-Dichloroethane	ND	*+	1.0	0.38	ug/L			04/19/24 18:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/24 18:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/24 18:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/24 18:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/24 18:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/24 18:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/24 18:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/24 18:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/24 18:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/24 18:20	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/24 18:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/24 18:20	1
Acetone	ND		10	3.0	ug/L			04/19/24 18:20	1
Benzene	ND		1.0	0.41	ug/L			04/19/24 18:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/24 18:20	1
Bromoform	ND		1.0	0.26	ug/L			04/19/24 18:20	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/24 18:20	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			04/19/24 18:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/24 18:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/24 18:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/24 18:20	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/24 18:20	1
Chloroform	ND		1.0	0.34	ug/L			04/19/24 18:20	1
Chloromethane	ND	*+	1.0	0.35	ug/L			04/19/24 18:20	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.81	ug/L			04/19/24 18:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/24 18:20	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/24 18:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/24 18:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/24 18:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/24 18:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/24 18:20	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/24 18:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/24 18:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/24 18:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/24 18:20	1
Styrene	ND		1.0	0.73	ug/L			04/19/24 18:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/24 18:20	1
Toluene	ND		1.0	0.51	ug/L			04/19/24 18:20	1
trans-1,2-Dichloroethene	ND	*+	1.0	0.90	ug/L			04/19/24 18:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/24 18:20	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/24 18:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/24 18:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/24 18:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/24 18:20	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW8
Lab Sample ID: 480-218930-6
Date Collected: 04/16/24 10:05
Matrix: Water
Date Received: 04/17/24 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		04/19/24 18:20	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		04/19/24 18:20	1
4-Bromofluorobenzene (Surr)	91		73 - 120		04/19/24 18:20	1
Dibromofluoromethane (Surr)	92		75 - 123		04/19/24 18:20	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW9
Lab Sample ID: 480-218930-7
Date Collected: 04/16/24 11:50
Matrix: Water
Date Received: 04/17/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*+	1.0	0.82	ug/L			04/19/24 18:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/24 18:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/24 18:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/24 18:42	1
1,1-Dichloroethane	ND	*+	1.0	0.38	ug/L			04/19/24 18:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/24 18:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/24 18:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/24 18:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/24 18:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/24 18:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/24 18:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/24 18:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/24 18:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/24 18:42	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/24 18:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/24 18:42	1
Acetone	ND		10	3.0	ug/L			04/19/24 18:42	1
Benzene	ND		1.0	0.41	ug/L			04/19/24 18:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/24 18:42	1
Bromoform	ND		1.0	0.26	ug/L			04/19/24 18:42	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/24 18:42	1
Carbon disulfide	ND	*+	1.0	0.19	ug/L			04/19/24 18:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/24 18:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/24 18:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/24 18:42	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/24 18:42	1
Chloroform	ND		1.0	0.34	ug/L			04/19/24 18:42	1
Chloromethane	ND	*+	1.0	0.35	ug/L			04/19/24 18:42	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.81	ug/L			04/19/24 18:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/24 18:42	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/24 18:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/24 18:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/24 18:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/24 18:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/24 18:42	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/24 18:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/24 18:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/24 18:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/24 18:42	1
Styrene	ND		1.0	0.73	ug/L			04/19/24 18:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/24 18:42	1
Toluene	ND		1.0	0.51	ug/L			04/19/24 18:42	1
trans-1,2-Dichloroethene	ND	*+	1.0	0.90	ug/L			04/19/24 18:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/24 18:42	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/24 18:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/24 18:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/24 18:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/24 18:42	1

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW9
Lab Sample ID: 480-218930-7
Date Collected: 04/16/24 11:50
Matrix: Water
Date Received: 04/17/24 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		04/19/24 18:42	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		04/19/24 18:42	1
4-Bromofluorobenzene (Surr)	89		73 - 120		04/19/24 18:42	1
Dibromofluoromethane (Surr)	99		75 - 123		04/19/24 18:42	1

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-218930-1	MW1	97	103	94	103
480-218930-2	MW4	90	98	90	99
480-218930-3	MW5	98	108	103	113
480-218930-3 - DL	MW5	92	102	99	101
480-218930-4	MW6	90	109	97	114
480-218930-5	MW7	93	103	92	100
480-218930-5 MS	MW7	98	103	92	100
480-218930-5 MSD	MW7	92	103	90	102
480-218930-6	MW8	93	98	91	92
480-218930-7	MW9	96	100	89	99
LCS 480-708458/6	Lab Control Sample	97	103	94	110
LCS 480-708617/6	Lab Control Sample	102	103	95	102
MB 480-708458/8	Method Blank	91	105	91	99
MB 480-708617/8	Method Blank	94	97	91	91

Surrogate Legend

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

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

Lab Sample ID: MB 480-708458/8
Matrix: Water
Analysis Batch: 708458

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/19/24 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/24 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/24 13:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/24 13:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/19/24 13:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/24 13:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/24 13:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/24 13:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/24 13:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/24 13:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/24 13:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/24 13:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/24 13:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/24 13:15	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/24 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/24 13:15	1
Acetone	ND		10	3.0	ug/L			04/19/24 13:15	1
Benzene	ND		1.0	0.41	ug/L			04/19/24 13:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/24 13:15	1
Bromoform	ND		1.0	0.26	ug/L			04/19/24 13:15	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/24 13:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/24 13:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/24 13:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/24 13:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/24 13:15	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/24 13:15	1
Chloroform	ND		1.0	0.34	ug/L			04/19/24 13:15	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/24 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/19/24 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/24 13:15	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/24 13:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/24 13:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/24 13:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/24 13:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/24 13:15	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/24 13:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/24 13:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/24 13:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/24 13:15	1
Styrene	ND		1.0	0.73	ug/L			04/19/24 13:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/24 13:15	1
Toluene	ND		1.0	0.51	ug/L			04/19/24 13:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/24 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/24 13:15	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/24 13:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/24 13:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/24 13:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/24 13:15	1

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

Lab Sample ID: MB 480-708458/8
Matrix: Water
Analysis Batch: 708458

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/19/24 13:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*04/19/24 13:15*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*04/19/24 13:15*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*04/19/24 13:15*	*1*

Lab Sample ID: LCS 480-708458/6
Matrix: Water
Analysis Batch: 708458

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	32.9	*+	ug/L		132	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	36.1		ug/L		144	61 - 148
1,1-Dichloroethane	25.0	31.5	*+	ug/L		126	77 - 120
1,1-Dichloroethene	25.0	31.9		ug/L		127	66 - 127
1,2,4-Trichlorobenzene	25.0	28.0		ug/L		112	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.0		ug/L		100	56 - 134
1,2-Dichlorobenzene	25.0	29.5		ug/L		118	80 - 124
1,2-Dichloroethane	25.0	29.1		ug/L		116	75 - 120
1,2-Dichloropropane	25.0	27.6		ug/L		110	76 - 120
1,3-Dichlorobenzene	25.0	27.4		ug/L		109	77 - 120
1,4-Dichlorobenzene	25.0	27.5		ug/L		110	80 - 120
2-Butanone (MEK)	125	135		ug/L		108	57 - 140
2-Hexanone	125	113		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	170		ug/L		136	56 - 142
Benzene	25.0	30.0		ug/L		120	71 - 124
Bromodichloromethane	25.0	27.6		ug/L		111	80 - 122
Bromoform	25.0	25.1		ug/L		101	61 - 132
Bromomethane	25.0	32.2		ug/L		129	55 - 144
Carbon disulfide	25.0	34.7	*+	ug/L		139	59 - 134
Carbon tetrachloride	25.0	32.5		ug/L		130	72 - 134
Chlorobenzene	25.0	27.7		ug/L		111	80 - 120
Dibromochloromethane	25.0	27.4		ug/L		110	75 - 125
Chloroethane	25.0	27.7		ug/L		111	69 - 136
Chloroform	25.0	30.3		ug/L		121	73 - 127
Chloromethane	25.0	31.3	*+	ug/L		125	68 - 124
cis-1,2-Dichloroethene	25.0	33.0	*+	ug/L		132	74 - 124
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Cyclohexane	25.0	33.3		ug/L		133	59 - 135
Dichlorodifluoromethane	25.0	31.9		ug/L		128	59 - 135
Ethylbenzene	25.0	28.3		ug/L		113	77 - 123
1,2-Dibromoethane	25.0	25.3		ug/L		101	77 - 120
Isopropylbenzene	25.0	29.5		ug/L		118	77 - 122
Methyl acetate	50.0	50.4		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	29.7		ug/L		119	77 - 120
Methylcyclohexane	25.0	30.8		ug/L		123	68 - 134

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

Lab Sample ID: LCS 480-708458/6
Matrix: Water
Analysis Batch: 708458

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	28.7		ug/L		115	75 - 124
Styrene	25.0	26.9		ug/L		108	80 - 120
Tetrachloroethene	25.0	29.5		ug/L		118	74 - 122
Toluene	25.0	27.6		ug/L		110	80 - 122
trans-1,2-Dichloroethene	25.0	33.7	*+	ug/L		135	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	29.7		ug/L		119	74 - 123
Trichlorofluoromethane	25.0	35.8		ug/L		143	62 - 150
Vinyl chloride	25.0	33.3		ug/L		133	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

Lab Sample ID: 480-218930-5 MS
Matrix: Water
Analysis Batch: 708458

Client Sample ID: MW7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND	*+	25.0	29.9		ug/L		120	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.6		ug/L		106	76 - 120
1,1,2-Trichloroethane	ND		25.0	27.2		ug/L		109	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	33.2		ug/L		133	61 - 148
1,1-Dichloroethane	ND	*+	25.0	28.7		ug/L		115	77 - 120
1,1-Dichloroethene	ND		25.0	30.9		ug/L		124	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	25.1		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	24.8		ug/L		99	56 - 134
1,2-Dichlorobenzene	ND		25.0	28.3		ug/L		113	80 - 124
1,2-Dichloroethane	ND		25.0	28.8		ug/L		115	75 - 120
1,2-Dichloropropane	ND		25.0	28.6		ug/L		114	76 - 120
1,3-Dichlorobenzene	ND		25.0	28.3		ug/L		113	77 - 120
1,4-Dichlorobenzene	ND		25.0	27.4		ug/L		110	78 - 124
2-Butanone (MEK)	ND		125	140		ug/L		112	57 - 140
2-Hexanone	ND		125	119		ug/L		95	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	123		ug/L		98	71 - 125
Acetone	ND		125	150		ug/L		120	56 - 142
Benzene	ND		25.0	29.0		ug/L		116	71 - 124
Bromodichloromethane	ND		25.0	29.3		ug/L		117	80 - 122
Bromoform	ND		25.0	24.2		ug/L		97	61 - 132
Bromomethane	ND		25.0	27.1		ug/L		108	55 - 144
Carbon disulfide	ND	*+	25.0	31.6		ug/L		126	59 - 134
Carbon tetrachloride	ND		25.0	29.7		ug/L		119	72 - 134
Chlorobenzene	ND		25.0	27.3		ug/L		109	80 - 120
Dibromochloromethane	ND		25.0	28.6		ug/L		114	75 - 125
Chloroethane	ND		25.0	25.4		ug/L		102	69 - 136
Chloroform	ND		25.0	27.6		ug/L		110	73 - 127

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

Lab Sample ID: 480-218930-5 MS
Matrix: Water
Analysis Batch: 708458

Client Sample ID: MW7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	ND	F1 *+	25.0	30.9		ug/L		124	68 - 124
cis-1,2-Dichloroethene	ND	*+	25.0	29.4		ug/L		118	74 - 124
cis-1,3-Dichloropropene	ND		25.0	26.9		ug/L		108	74 - 124
Cyclohexane	ND		25.0	28.7		ug/L		115	59 - 135
Dichlorodifluoromethane	ND		25.0	28.5		ug/L		114	59 - 135
Ethylbenzene	ND		25.0	26.5		ug/L		106	77 - 123
1,2-Dibromoethane	ND		25.0	27.1		ug/L		108	77 - 120
Isopropylbenzene	ND		25.0	30.0		ug/L		120	77 - 122
Methyl acetate	ND		50.0	51.8		ug/L		104	74 - 133
Methyl tert-butyl ether	ND		25.0	26.8		ug/L		107	77 - 120
Methylcyclohexane	ND		25.0	27.7		ug/L		111	68 - 134
Methylene Chloride	ND		25.0	27.5		ug/L		110	75 - 124
Styrene	ND		25.0	26.6		ug/L		106	80 - 120
Tetrachloroethene	ND		25.0	29.6		ug/L		118	74 - 122
Toluene	ND		25.0	28.3		ug/L		113	80 - 122
trans-1,2-Dichloroethene	ND	*+	25.0	31.6		ug/L		126	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.9		ug/L		104	80 - 120
Trichloroethene	ND		25.0	29.5		ug/L		118	74 - 123
Trichlorofluoromethane	ND		25.0	32.8		ug/L		131	62 - 150
Vinyl chloride	ND		25.0	31.7		ug/L		127	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-218930-5 MSD
Matrix: Water
Analysis Batch: 708458

Client Sample ID: MW7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	*+	25.0	29.1		ug/L		116	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	27.1		ug/L		108	76 - 120	2	15
1,1,2-Trichloroethane	ND		25.0	25.2		ug/L		101	76 - 122	8	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	31.5		ug/L		126	61 - 148	5	20
1,1-Dichloroethane	ND	*+	25.0	28.4		ug/L		114	77 - 120	1	20
1,1-Dichloroethene	ND		25.0	30.1		ug/L		120	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		25.0	24.8		ug/L		99	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	24.3		ug/L		97	56 - 134	2	15
1,2-Dichlorobenzene	ND		25.0	28.4		ug/L		114	80 - 124	0	20
1,2-Dichloroethane	ND		25.0	27.9		ug/L		111	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	27.8		ug/L		111	76 - 120	3	20
1,3-Dichlorobenzene	ND		25.0	27.4		ug/L		110	77 - 120	3	20
1,4-Dichlorobenzene	ND		25.0	27.3		ug/L		109	78 - 124	0	20
2-Butanone (MEK)	ND		125	138		ug/L		110	57 - 140	1	20
2-Hexanone	ND		125	114		ug/L		91	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		125	113		ug/L		91	71 - 125	8	35

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

Lab Sample ID: 480-218930-5 MSD
Matrix: Water
Analysis Batch: 708458

Client Sample ID: MW7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		125	147		ug/L		118	56 - 142	2	15
Benzene	ND		25.0	28.4		ug/L		114	71 - 124	2	13
Bromodichloromethane	ND		25.0	28.4		ug/L		114	80 - 122	3	15
Bromoform	ND		25.0	24.1		ug/L		96	61 - 132	1	15
Bromomethane	ND		25.0	27.7		ug/L		111	55 - 144	2	15
Carbon disulfide	ND	*+	25.0	30.0		ug/L		120	59 - 134	5	15
Carbon tetrachloride	ND		25.0	29.2		ug/L		117	72 - 134	2	15
Chlorobenzene	ND		25.0	27.9		ug/L		112	80 - 120	2	25
Dibromochloromethane	ND		25.0	26.9		ug/L		108	75 - 125	6	15
Chloroethane	ND		25.0	27.0		ug/L		108	69 - 136	6	15
Chloroform	ND		25.0	26.8		ug/L		107	73 - 127	3	20
Chloromethane	ND	F1 *+	25.0	31.4	F1	ug/L		125	68 - 124	1	15
cis-1,2-Dichloroethene	ND	*+	25.0	28.6		ug/L		115	74 - 124	3	15
cis-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	74 - 124	1	15
Cyclohexane	ND		25.0	28.7		ug/L		115	59 - 135	0	20
Dichlorodifluoromethane	ND		25.0	29.7		ug/L		119	59 - 135	4	20
Ethylbenzene	ND		25.0	27.4		ug/L		110	77 - 123	3	15
1,2-Dibromoethane	ND		25.0	27.4		ug/L		109	77 - 120	1	15
Isopropylbenzene	ND		25.0	30.5		ug/L		122	77 - 122	2	20
Methyl acetate	ND		50.0	50.1		ug/L		100	74 - 133	3	20
Methyl tert-butyl ether	ND		25.0	25.8		ug/L		103	77 - 120	4	37
Methylcyclohexane	ND		25.0	27.1		ug/L		109	68 - 134	2	20
Methylene Chloride	ND		25.0	26.5		ug/L		106	75 - 124	4	15
Styrene	ND		25.0	26.8		ug/L		107	80 - 120	1	20
Tetrachloroethene	ND		25.0	28.5		ug/L		114	74 - 122	4	20
Toluene	ND		25.0	26.7		ug/L		107	80 - 122	6	15
trans-1,2-Dichloroethene	ND	*+	25.0	29.7		ug/L		119	73 - 127	6	20
trans-1,3-Dichloropropene	ND		25.0	24.0		ug/L		96	80 - 120	7	15
Trichloroethene	ND		25.0	29.9		ug/L		120	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	33.5		ug/L		134	62 - 150	2	20
Vinyl chloride	ND		25.0	32.0		ug/L		128	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: MB 480-708617/8
Matrix: Water
Analysis Batch: 708617

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/20/24 13:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/20/24 13:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/20/24 13:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/20/24 13:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/20/24 13:17	1

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

Lab Sample ID: MB 480-708617/8
Matrix: Water
Analysis Batch: 708617

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/20/24 13:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/20/24 13:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/20/24 13:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/20/24 13:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/20/24 13:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/20/24 13:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/20/24 13:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/20/24 13:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/20/24 13:17	1
2-Hexanone	ND		5.0	1.2	ug/L			04/20/24 13:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/20/24 13:17	1
Acetone	ND		10	3.0	ug/L			04/20/24 13:17	1
Benzene	ND		1.0	0.41	ug/L			04/20/24 13:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/20/24 13:17	1
Bromoform	ND		1.0	0.26	ug/L			04/20/24 13:17	1
Bromomethane	ND		1.0	0.69	ug/L			04/20/24 13:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/20/24 13:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/20/24 13:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/20/24 13:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/20/24 13:17	1
Chloroethane	ND		1.0	0.32	ug/L			04/20/24 13:17	1
Chloroform	ND		1.0	0.34	ug/L			04/20/24 13:17	1
Chloromethane	ND		1.0	0.35	ug/L			04/20/24 13:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/20/24 13:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/20/24 13:17	1
Cyclohexane	ND		1.0	0.18	ug/L			04/20/24 13:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/20/24 13:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/20/24 13:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/20/24 13:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/20/24 13:17	1
Methyl acetate	ND		2.5	1.3	ug/L			04/20/24 13:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/20/24 13:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/20/24 13:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/20/24 13:17	1
Styrene	ND		1.0	0.73	ug/L			04/20/24 13:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/20/24 13:17	1
Toluene	ND		1.0	0.51	ug/L			04/20/24 13:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/20/24 13:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/20/24 13:17	1
Trichloroethene	ND		1.0	0.46	ug/L			04/20/24 13:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/20/24 13:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/20/24 13:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/20/24 13:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/20/24 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*04/20/24 13:17*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*04/20/24 13:17*	*1*

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

Lab Sample ID: MB 480-708617/8
Matrix: Water
Analysis Batch: 708617

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*04/20/24 13:17*	*1*

Lab Sample ID: LCS 480-708617/6
Matrix: Water
Analysis Batch: 708617

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.8		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.5		ug/L		102	76 - 120
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	34.0		ug/L		136	61 - 148
1,1-Dichloroethane	25.0	28.6		ug/L		114	77 - 120
1,1-Dichloroethene	25.0	30.3		ug/L		121	66 - 127
1,2,4-Trichlorobenzene	25.0	23.6		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.5		ug/L		90	56 - 134
1,2-Dichlorobenzene	25.0	27.3		ug/L		109	80 - 124
1,2-Dichloroethane	25.0	27.3		ug/L		109	75 - 120
1,2-Dichloropropane	25.0	28.2		ug/L		113	76 - 120
1,3-Dichlorobenzene	25.0	27.1		ug/L		108	77 - 120
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 120
2-Butanone (MEK)	125	135		ug/L		108	57 - 140
2-Hexanone	125	108		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	171		ug/L		137	56 - 142
Benzene	25.0	26.8		ug/L		107	71 - 124
Bromodichloromethane	25.0	29.0		ug/L		116	80 - 122
Bromoform	25.0	23.5		ug/L		94	61 - 132
Bromomethane	25.0	24.4		ug/L		98	55 - 144
Carbon disulfide	25.0	32.0		ug/L		128	59 - 134
Carbon tetrachloride	25.0	27.2		ug/L		109	72 - 134
Chlorobenzene	25.0	26.6		ug/L		107	80 - 120
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Chloroethane	25.0	24.4		ug/L		98	69 - 136
Chloroform	25.0	26.3		ug/L		105	73 - 127
Chloromethane	25.0	27.8		ug/L		111	68 - 124
cis-1,2-Dichloroethene	25.0	28.6		ug/L		114	74 - 124
cis-1,3-Dichloropropene	25.0	27.8		ug/L		111	74 - 124
Cyclohexane	25.0	28.2		ug/L		113	59 - 135
Dichlorodifluoromethane	25.0	27.6		ug/L		110	59 - 135
Ethylbenzene	25.0	26.1		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	26.1		ug/L		105	77 - 120
Isopropylbenzene	25.0	28.5		ug/L		114	77 - 122
Methyl acetate	50.0	50.6		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	26.7		ug/L		107	77 - 120
Methylcyclohexane	25.0	28.4		ug/L		114	68 - 134
Methylene Chloride	25.0	27.8		ug/L		111	75 - 124
Styrene	25.0	25.5		ug/L		102	80 - 120
Tetrachloroethene	25.0	29.8		ug/L		119	74 - 122

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

Lab Sample ID: LCS 480-708617/6
Matrix: Water
Analysis Batch: 708617

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	25.0	28.2		ug/L		113	80 - 122
trans-1,2-Dichloroethene	25.0	30.5		ug/L		122	73 - 127
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	80 - 120
Trichloroethene	25.0	29.9		ug/L		120	74 - 123
Trichlorofluoromethane	25.0	30.8		ug/L		123	62 - 150
Vinyl chloride	25.0	28.1		ug/L		112	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-708196/1-A
Matrix: Water
Analysis Batch: 709374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708196

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		04/19/24 09:49	04/25/24 01:09	1
Barium	ND		0.0020	0.00070	mg/L		04/19/24 09:49	04/25/24 01:09	1
Beryllium	ND		0.0020	0.00030	mg/L		04/19/24 09:49	04/25/24 01:09	1
Cadmium	ND		0.0020	0.00050	mg/L		04/19/24 09:49	04/25/24 01:09	1
Copper	ND		0.010	0.0016	mg/L		04/19/24 09:49	04/25/24 01:09	1
Lead	ND		0.010	0.0030	mg/L		04/19/24 09:49	04/25/24 01:09	1
Selenium	ND		0.025	0.0087	mg/L		04/19/24 09:49	04/25/24 01:09	1
Silver	ND		0.0060	0.0017	mg/L		04/19/24 09:49	04/25/24 01:09	1

Lab Sample ID: MB 480-708196/1-A
Matrix: Water
Analysis Batch: 709891

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 708196

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		04/19/24 09:49	04/25/24 18:14	1

Lab Sample ID: LCS 480-708196/2-A
Matrix: Water
Analysis Batch: 709374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.983		mg/L		98	80 - 120
Barium	1.00	0.978		mg/L		98	80 - 120
Beryllium	0.500	0.511		mg/L		102	80 - 120
Cadmium	0.500	0.502		mg/L		100	80 - 120
Copper	0.500	0.483		mg/L		97	80 - 120
Lead	0.500	0.450		mg/L		90	80 - 120
Manganese	0.500	0.506		mg/L		101	80 - 120
Nickel	0.500	0.468		mg/L		94	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-708196/2-A
Matrix: Water
Analysis Batch: 709374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	1.00	0.962		mg/L		96	80 - 120
Silver	0.0500	0.0578		mg/L		116	80 - 120

Lab Sample ID: LCS 480-708196/2-A
Matrix: Water
Analysis Batch: 709891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 708196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	0.500	0.513		mg/L		103	80 - 120

Lab Sample ID: MB 480-710271/1-A
Matrix: Water
Analysis Batch: 710503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 710271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		0.010	0.0013	mg/L		05/02/24 09:25	05/02/24 21:18	1

Lab Sample ID: LCS 480-710271/2-A
Matrix: Water
Analysis Batch: 710503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 710271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	1.00	0.986		mg/L		99	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-709146/1-A
Matrix: Water
Analysis Batch: 709314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		04/24/24 12:10	04/24/24 16:52	1

Lab Sample ID: LCS 480-709146/2-A
Matrix: Water
Analysis Batch: 709314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00711		mg/L		106	80 - 120

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-708183/27
Matrix: Water
Analysis Batch: 708183

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.010	0.0050	mg/L			04/17/24 11:30	1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: MB 480-708183/3
Matrix: Water
Analysis Batch: 708183

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.010	0.0050	mg/L			04/17/24 11:30	1

Lab Sample ID: LCS 480-708183/28
Matrix: Water
Analysis Batch: 708183

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.0500	0.0528		mg/L		106	85 - 115

Lab Sample ID: LCS 480-708183/4
Matrix: Water
Analysis Batch: 708183

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.0500	0.0554		mg/L		111	85 - 115

Lab Sample ID: 480-218930-3 MS
Matrix: Water
Analysis Batch: 708183

Client Sample ID: MW5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.0062	J H	0.0500	0.0541		mg/L		96	85 - 115

Lab Sample ID: 480-218930-3 DU
Matrix: Water
Analysis Batch: 708183

Client Sample ID: MW5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	0.0062	J H	ND		mg/L		NC	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-708332/47
Matrix: Water
Analysis Batch: 708332

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00990	J	0.010	0.0041	mg/L			04/18/24 09:09	1

Lab Sample ID: MB 480-708332/75
Matrix: Water
Analysis Batch: 708332

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00750	J	0.010	0.0041	mg/L			04/18/24 10:23	1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: HLCS 480-708332/22
Matrix: Water
Analysis Batch: 708332

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

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.399		mg/L		100	90 - 110

Lab Sample ID: LCS 480-708332/48
Matrix: Water
Analysis Batch: 708332

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.246		mg/L		98	90 - 110

Lab Sample ID: LCS 480-708332/76
Matrix: Water
Analysis Batch: 708332

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.247		mg/L		99	90 - 110

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 480-709230/4
Matrix: Water
Analysis Batch: 709230

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			04/24/24 16:15	1

Lab Sample ID: LCS 480-709230/5
Matrix: Water
Analysis Batch: 709230

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.1	49.15		mg/L		98	90 - 110

Lab Sample ID: 480-218930-1 MS
Matrix: Water
Analysis Batch: 709230

Client Sample ID: MW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	235		251	462.8		mg/L		91	81 - 120

Lab Sample ID: 480-218930-1 MSD
Matrix: Water
Analysis Batch: 709230

Client Sample ID: MW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	235		251	471.6		mg/L		95	81 - 120	2	15

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-218930-1

Method: SM4500 KMnO4 - Potassium Permanganate

Lab Sample ID: MB 570-434035/7
Matrix: Water
Analysis Batch: 434035

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium Permanganate	ND		1.0	0.13	mg/L			04/24/24 17:18	1

Lab Sample ID: LCS 570-434035/9
Matrix: Water
Analysis Batch: 434035

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Potassium Permanganate			2.00	2.16		mg/L		108	78 - 120		

Lab Sample ID: LCSD 570-434035/11
Matrix: Water
Analysis Batch: 434035

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium Permanganate			2.00	2.19		mg/L		110	78 - 120	2	9

Lab Sample ID: 480-218930-1 MS
Matrix: Water
Analysis Batch: 434035

Client Sample ID: MW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Potassium Permanganate	ND	H H3	2.00	1.75		mg/L		88	20 - 151		

Lab Sample ID: 480-218930-1 MSD
Matrix: Water
Analysis Batch: 434035

Client Sample ID: MW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium Permanganate	ND	H H3	2.00	1.72		mg/L		86	20 - 151	2	11

QC Association Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

GC/MS VOA

Analysis Batch: 708458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	8260C	
480-218930-2	MW4	Total/NA	Water	8260C	
480-218930-3	MW5	Total/NA	Water	8260C	
480-218930-4	MW6	Total/NA	Water	8260C	
480-218930-5	MW7	Total/NA	Water	8260C	
480-218930-6	MW8	Total/NA	Water	8260C	
480-218930-7	MW9	Total/NA	Water	8260C	
MB 480-708458/8	Method Blank	Total/NA	Water	8260C	
LCS 480-708458/6	Lab Control Sample	Total/NA	Water	8260C	
480-218930-5 MS	MW7	Total/NA	Water	8260C	
480-218930-5 MSD	MW7	Total/NA	Water	8260C	

Analysis Batch: 708617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-3 - DL	MW5	Total/NA	Water	8260C	
MB 480-708617/8	Method Blank	Total/NA	Water	8260C	
LCS 480-708617/6	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 708196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	3005A	
480-218930-2	MW4	Total/NA	Water	3005A	
480-218930-3	MW5	Total/NA	Water	3005A	
MB 480-708196/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-708196/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 709146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	7470A	
480-218930-2	MW4	Total/NA	Water	7470A	
480-218930-3	MW5	Total/NA	Water	7470A	
MB 480-709146/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-709146/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 709314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	7470A	709146
480-218930-2	MW4	Total/NA	Water	7470A	709146
480-218930-3	MW5	Total/NA	Water	7470A	709146
MB 480-709146/1-A	Method Blank	Total/NA	Water	7470A	709146
LCS 480-709146/2-A	Lab Control Sample	Total/NA	Water	7470A	709146

Analysis Batch: 709374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	6010C	708196
480-218930-2	MW4	Total/NA	Water	6010C	708196
480-218930-3	MW5	Total/NA	Water	6010C	708196
MB 480-708196/1-A	Method Blank	Total/NA	Water	6010C	708196
LCS 480-708196/2-A	Lab Control Sample	Total/NA	Water	6010C	708196

Metals

Analysis Batch: 709891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	6010C	708196
480-218930-2	MW4	Total/NA	Water	6010C	708196
480-218930-3	MW5	Total/NA	Water	6010C	708196
MB 480-708196/1-A	Method Blank	Total/NA	Water	6010C	708196
LCS 480-708196/2-A	Lab Control Sample	Total/NA	Water	6010C	708196

Prep Batch: 710271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	3005A	
480-218930-2	MW4	Total/NA	Water	3005A	
MB 480-710271/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-710271/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 710503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	6010C	710271
480-218930-2	MW4	Total/NA	Water	6010C	710271
MB 480-710271/1-A	Method Blank	Total/NA	Water	6010C	710271
LCS 480-710271/2-A	Lab Control Sample	Total/NA	Water	6010C	710271

General Chemistry

Analysis Batch: 434035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	SM4500 KMnO4	
480-218930-2	MW4	Total/NA	Water	SM4500 KMnO4	
480-218930-3	MW5	Total/NA	Water	SM4500 KMnO4	
MB 570-434035/7	Method Blank	Total/NA	Water	SM4500 KMnO4	
LCS 570-434035/9	Lab Control Sample	Total/NA	Water	SM4500 KMnO4	
LCSD 570-434035/11	Lab Control Sample Dup	Total/NA	Water	SM4500 KMnO4	
480-218930-1 MS	MW1	Total/NA	Water	SM4500 KMnO4	
480-218930-1 MSD	MW1	Total/NA	Water	SM4500 KMnO4	

Analysis Batch: 708183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	7196A	
480-218930-2	MW4	Total/NA	Water	7196A	
480-218930-3	MW5	Total/NA	Water	7196A	
MB 480-708183/27	Method Blank	Total/NA	Water	7196A	
MB 480-708183/3	Method Blank	Total/NA	Water	7196A	
LCS 480-708183/28	Lab Control Sample	Total/NA	Water	7196A	
LCS 480-708183/4	Lab Control Sample	Total/NA	Water	7196A	
480-218930-3 MS	MW5	Total/NA	Water	7196A	
480-218930-3 DU	MW5	Total/NA	Water	7196A	

Analysis Batch: 708332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	9012B	
480-218930-2	MW4	Total/NA	Water	9012B	
480-218930-3	MW5	Total/NA	Water	9012B	
MB 480-708332/47	Method Blank	Total/NA	Water	9012B	

General Chemistry (Continued)

Analysis Batch: 708332 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-708332/75	Method Blank	Total/NA	Water	9012B	
HLCS 480-708332/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-708332/48	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-708332/76	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 709230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218930-1	MW1	Total/NA	Water	9056A	
480-218930-2	MW4	Total/NA	Water	9056A	
480-218930-3	MW5	Total/NA	Water	9056A	
MB 480-709230/4	Method Blank	Total/NA	Water	9056A	
LCS 480-709230/5	Lab Control Sample	Total/NA	Water	9056A	
480-218930-1 MS	MW1	Total/NA	Water	9056A	
480-218930-1 MSD	MW1	Total/NA	Water	9056A	

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-218930-1

Client Sample ID: MW1

Date Collected: 04/16/24 09:20
Date Received: 04/17/24 10:00

Lab Sample ID: 480-218930-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	708458	CC	EET BUF	04/19/24 16:27
Total/NA	Prep	3005A			708196	EMO	EET BUF	04/19/24 09:49
Total/NA	Analysis	6010C		1	709374	NZG	EET BUF	04/25/24 03:02
Total/NA	Prep	3005A			708196	EMO	EET BUF	04/19/24 09:49
Total/NA	Analysis	6010C		1	709891	NZG	EET BUF	04/25/24 18:59
Total/NA	Prep	3005A			710271	EMO	EET BUF	05/02/24 09:25
Total/NA	Analysis	6010C		1	710503	NZG	EET BUF	05/02/24 21:58
Total/NA	Prep	7470A			709146	ESB	EET BUF	04/24/24 12:10
Total/NA	Analysis	7470A		1	709314	BMB	EET BUF	04/24/24 17:03
Total/NA	Analysis	7196A		1	708183	AM	EET BUF	04/17/24 11:30
Total/NA	Analysis	9012B		1	708332	CLT	EET BUF	04/18/24 11:08
Total/NA	Analysis	9056A		5	709230	AF	EET BUF	04/24/24 18:21
Total/NA	Analysis	SM4500 KMnO4		1	434035	TXA8	EET CAL 4	04/24/24 17:28

Client Sample ID: MW4

Date Collected: 04/16/24 13:00
Date Received: 04/17/24 10:00

Lab Sample ID: 480-218930-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	708458	CC	EET BUF	04/19/24 16:50
Total/NA	Prep	3005A			708196	EMO	EET BUF	04/19/24 09:49
Total/NA	Analysis	6010C		1	709374	NZG	EET BUF	04/25/24 03:05
Total/NA	Prep	3005A			708196	EMO	EET BUF	04/19/24 09:49
Total/NA	Analysis	6010C		1	709891	NZG	EET BUF	04/25/24 19:03
Total/NA	Prep	3005A			710271	EMO	EET BUF	05/02/24 09:25
Total/NA	Analysis	6010C		1	710503	NZG	EET BUF	05/02/24 22:00
Total/NA	Prep	7470A			709146	ESB	EET BUF	04/24/24 12:10
Total/NA	Analysis	7470A		1	709314	BMB	EET BUF	04/24/24 17:04
Total/NA	Analysis	7196A		1	708183	AM	EET BUF	04/17/24 11:30
Total/NA	Analysis	9012B		1	708332	CLT	EET BUF	04/18/24 11:11
Total/NA	Analysis	9056A		1	709230	AF	EET BUF	04/24/24 19:51
Total/NA	Analysis	SM4500 KMnO4		1	434035	TXA8	EET CAL 4	04/24/24 17:30

Client Sample ID: MW5

Date Collected: 04/16/24 10:30
Date Received: 04/17/24 10:00

Lab Sample ID: 480-218930-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	708458	CC	EET BUF	04/19/24 17:12
Total/NA	Analysis	8260C	DL	2	708617	CC	EET BUF	04/20/24 13:50
Total/NA	Prep	3005A			708196	EMO	EET BUF	04/19/24 09:49
Total/NA	Analysis	6010C		1	709374	NZG	EET BUF	04/25/24 03:09
Total/NA	Prep	3005A			708196	EMO	EET BUF	04/19/24 09:49
Total/NA	Analysis	6010C		1	709891	NZG	EET BUF	04/25/24 19:06

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: MW5
Lab Sample ID: 480-218930-3
Date Collected: 04/16/24 10:30
Matrix: Water
Date Received: 04/17/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			709146	ESB	EET BUF	04/24/24 12:10
Total/NA	Analysis	7470A		1	709314	BMB	EET BUF	04/24/24 17:05
Total/NA	Analysis	7196A		1	708183	AM	EET BUF	04/17/24 11:30
Total/NA	Analysis	9012B		1	708332	CLT	EET BUF	04/18/24 11:13
Total/NA	Analysis	9056A		2	709230	AF	EET BUF	04/24/24 20:09
Total/NA	Analysis	SM4500 KMnO4		1	434035	TXA8	EET CAL 4	04/24/24 17:32

Client Sample ID: MW6
Lab Sample ID: 480-218930-4
Date Collected: 04/16/24 12:25
Matrix: Water
Date Received: 04/17/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	708458	CC	EET BUF	04/19/24 17:34

Client Sample ID: MW7
Lab Sample ID: 480-218930-5
Date Collected: 04/16/24 11:40
Matrix: Water
Date Received: 04/17/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	708458	CC	EET BUF	04/19/24 17:57

Client Sample ID: MW8
Lab Sample ID: 480-218930-6
Date Collected: 04/16/24 10:05
Matrix: Water
Date Received: 04/17/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	708458	CC	EET BUF	04/19/24 18:20

Client Sample ID: MW9
Lab Sample ID: 480-218930-7
Date Collected: 04/16/24 11:50
Matrix: Water
Date Received: 04/17/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	708458	CC	EET BUF	04/19/24 18:42

Laboratory References:

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

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6010C	3005A	Water	Arsenic
6010C	3005A	Water	Barium
6010C	3005A	Water	Beryllium
6010C	3005A	Water	Cadmium
6010C	3005A	Water	Copper
6010C	3005A	Water	Lead
6010C	3005A	Water	Manganese
6010C	3005A	Water	Nickel
6010C	3005A	Water	Selenium
6010C	3005A	Water	Silver
6010C	3005A	Water	Zinc

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-24
California	Los Angeles County Sanitation Districts	10109	08-01-24
California	State	3082	04-25-24
Kansas	NELAP	E-10420	08-01-24
Nevada	State	CA00111	07-31-24
Oregon	NELAP	4175	02-03-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

Method Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
7196A	Chromium, Hexavalent	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
9056A	Anions, Ion Chromatography	SW846	EET BUF
SM4500 KMnO4	Potassium Permanganate	SM	EET CAL 4
3005A	Preparation, Total Metals	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-218930-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218930-1	MW1	Water	04/16/24 09:20	04/17/24 10:00
480-218930-2	MW4	Water	04/16/24 13:00	04/17/24 10:00
480-218930-3	MW5	Water	04/16/24 10:30	04/17/24 10:00
480-218930-4	MW6	Water	04/16/24 12:25	04/17/24 10:00
480-218930-5	MW7	Water	04/16/24 11:40	04/17/24 10:00
480-218930-6	MW8	Water	04/16/24 10:05	04/17/24 10:00
480-218930-7	MW9	Water	04/16/24 11:50	04/17/24 10:00

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

Chain of Custody Record

eurofins | Environment Testing

Client Information

Client Contact: Ms. Christine Curtis	Sampler: NSA	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-194540-40540.1
Company: Matrix Environmental Technologies Inc	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Address: 3730 California Road PO BOX 427	PWSID:			Job #:
City: Orchard Park	Due Date Requested:			
State, Zip: NY, 14127	TAT Requested (days):			
Phone: 908-399-3651(Tel) 518-636-5190(Fax)	Compliance Project: Δ Yes Δ No			
Email: ccurtis@matrixbiotech.com	PO #: 18-046			
Project Name: Project # 18-046 - Lakeside Village Apts	WO #:			
Site:	Project #: 48024071			
	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	9012B_NP - Cyanide, Total	6010C, 7470A	SM4500_Cl_E - Chloride, Total	7196A - Chromium, Hexavalent	SM4500_KMnO4 - Potassium Permanganate	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	B	D	N	N	N		
MW1	4/16/24	9:20	G	Water			X	X	X	X	X	X		
MW4		1:00	G	Water			X	X	X	X	X	X		
MW5		10:30	G	Water			X	X	X	X	X	X		
MW6		12:25	G	Water			X							
MW7		11:40	G	Water			X							
MW8		10:05	G	Water			X							
MW9		11:10	G	Water			X							
MS		11:45	G	Water			X							
MSD		11:50	G	Water			X							
				Water										
				Water										

480-218930 Chain of Custody

Preservation Codes:

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

Other:

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 4/16/24 3:15	Company: Matrix Env.	Received by:	Date/Time: 4/16/24 1515	Company: EET
Relinquished by:	Date/Time: 4/17/24 10:00	Company: EET	Received by:	Date/Time: 4/17/24 1000	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 2.9 # IR

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins

Loc: 480
218930

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-86363.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - New York		Job #: 480-218930-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 4/30/2024			Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Project # 18-046 - Lakeside Village Apts	Project #: 48024071			
Site:	SSOW#:			Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500_KMnO4/ Potassium Permanganate	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW1 (480-218930-1)	4/16/24	09:20 Eastern		Water			X	1	
MW4 (480-218930-2)	4/16/24	13:00 Eastern		Water			X	1	
MW5 (480-218930-3)	4/16/24	10:30 Eastern		Water			X	1	

480-218930 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Matthew Arnold	04/17/24 1645	TA		4/18/24 0925	EL
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		1.7/1.8 Sealed

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Matrix Environmental Technologies Inc

Job Number: 480-218930-1

Login Number: 218930
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

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

Login Sample Receipt Checklist

Client: Matrix Environmental Technologies Inc

Job Number: 480-218930-1

Login Number: 218930
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 04/18/24 12:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

FIELD DATA SHEETS

1,4,5

65-67 Lake Ave

MW1

Time	DTW	DO	ORP	pH	SPC	Temp	Turb.
9:00 Am	5.23	6.04	~~106~~	7.26	1.497	11.0	2.44
9:05	5.57	5.79	102.8	7.26	1.497	11.8	3.84
9:10	5.67	5.56	98.1	7.28	1.520	12.0	3.90
9:15	5.75	5.41	94.0	7.28	1.530	12.0	5.40
9:20	5.88	5.21	90.0	7.29	1.534	12.2	4.66

Total volume: 80oz Sampled @ 9:20

MW8

Time	DTW	DO	ORP	pH	SPC	Temp	Turb.
9:45	5.02	9.00	91.2	7.08	2.212	12.5	63.44
9:50	5.61	9.07	99.0	6.92	2.215	11.7	12.25
9:55	5.81	9.08	97.9	6.97	2.207	12.0	9.34
10:00	6.07	9.13	98.2	6.98	2.196	11.8	11.31
10:05	6.47	9.08	99.5	6.98	2.169	11.9	14.47

Total volume: 150oz sampled @ 10:05

Scanned with CamScanner

MW6

Time	DTW	DO	ORP	PH	SPC	Temp	Turb
12:05	10.06	8.22	95.1	7.19	0.907	14.9	21.13
12:10	10.38	7.93	91.4	7.06	0.965	14.8	5.78
12:15	10.63	7.97	89.4	7.04	0.969	15.1	11.86
12:20	10.81	8.02	88.3	7.04	0.993	15.2	14.02
12:25	10.92	8.05	87.5	7.03	0.997	15.1	14.46

total volume: 120oz sampled @ 12:25

MW4

Time	DTW	DO	ORP	PH	SPC	Temp	Turb
12:40	5.90	5.71	69.4	7.44	0.481	13.9	3.18
12:45	6.15	2.77	67.9	7.28	0.476	12.6	1.85
12:50	6.23	2.57	66.7	7.24	0.475	12.9	2.09
12:55	6.26	2.47	65.7	7.23	0.474	12.2	14.7
1:00	6.28	2.62	65.3	7.23	0.475	12.3	25.20

total volume: 140oz sampled @ 1:00

Scanned with CamScanner

MW5

Time	DTW	DO	ORP	PH	SPC	TEMP	Turb.
10:15	4.23	9.26	79.9	7.65	0.805	14.6	9.77
10:20	4.34	9.14	78.6	7.56	0.775	12.8	7.42
10:25	4.34	9.19	80.8	7.50	0.770	12.9	7.58
10:30	4.35	9.18	81.7	7.47	0.770	12.9	4.98

total volume: 70oz sampled @ 10:30

MW9

Time	DTW	DO	ORP	PH	SPC	TEMP	Turb.
10:50	7.66	6.41	59.7	7.46	0.977	13.8	88.57
10:55	7.97	5.88	64.2	7.43	0.976	13.8	48.15
11:00	8.04	5.73	61.2	7.39	0.981	13.9	17.62
11:05	8.14	5.71	56.4	7.36	0.971	13.7	12.29
11:10	8.17	5.65	55.0	7.36	0.963	13.8	12.40

total Volume: 110oz sampled @ 11:10

MW7 - MS;MSD MS = 11:45 MSD = 11:50

Time	DTW	DO	ORP	PH	SPC	Temp	Turb
11:20	7.13	6.69	72.7	7.12	0.943	11.2	3.27
11:25	7.48	4.09	81.1	6.92	0.997	10.9	1.60
11:30	7.64	3.96	82.7	6.91	1.005	11.1	3.35
11:35	7.82	3.57	79.7	6.96	1.006	10.9	5.30
11:40	7.94	3.48	78.3	6.98	1.035	11.6	9.12

Total volume: 120oz Sampled @ 11:40

Scanned with CamScanner