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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/13/2024 5:49:42 PM Revision 1

JOB DESCRIPTION

Project # 18-046 - Lakeside Village Apts

JOB NUMBER

480-223020-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Revision 1

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Definitions/Glossary

Client: Matrix Environmental Technologies Inc
Job ID: 480-223020-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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 Narrative
480-223020-1

REVISION

The report being provided is a revision of the original report sent on 9/10/2024. The report (revision 1) is being revised to report TCL list volatiles..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 9/3/2024 4:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.7°C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB 301 6'-7' (480-223020-1) and SB 302 6'-6.5' (480-223020-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-724016 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB 301 6'-7' (480-223020-1) and SB 302 6'-6.5' (480-223020-2).

Method 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-724018 and analytical batch 480-724016 recovered outside control limits for the following analytes: Acetone and Trichlorofluoromethane. The associated samples are impacted: SB 301 6'-7' (480-223020-1) and SB 302 6'-6.5' (480-223020-2).

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

General Chemistry
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: 480-223020-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: SB 301 6'-7' — Lab Sample ID: 480-223020-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	350000		4400	590	ug/Kg	80	☼	8260C	Total/NA
Trichloroethene	16000		4400	1200	ug/Kg	80	☼	8260C	Total/NA

Client Sample ID: SB 302 6'-6.5' — Lab Sample ID: 480-223020-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	150000		2300	300	ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: SB 303 6'-7' — Lab Sample ID: 480-223020-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	20	3.4	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	53		4.0	0.52	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.92	J	4.0	0.54	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	1.1	J	4.0	0.42	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	4.4		4.0	0.49	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB 303 FIELD DUPLICATE 6'-7' — Lab Sample ID: 480-223020-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10	J	20	3.4	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	110		4.0	0.51	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	9.5		4.0	0.53	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	4.8		4.0	0.41	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	83		4.0	0.88	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	1.4	J	4.0	0.49	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB 304 6'-7' — Lab Sample ID: 480-223020-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.9	J	22	3.7	ug/Kg	1	☼	8260C	Total/NA
Chloroform	0.30	J	4.3	0.27	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1.0	J	4.3	0.58	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB 305 6'-7' — Lab Sample ID: 480-223020-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.8	J	20	3.3	ug/Kg	1	☼	8260C	Total/NA
Chloroform	0.25	J	4.0	0.25	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: EQUIPMENT BLANK — Lab Sample ID: 480-223020-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 301 6'-7'

Date Collected: 09/03/24 02:20
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-1

Matrix: Solid
Percent Solids: 79.5

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		4400	1200	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,1,2,2-Tetrachloroethane	ND		4400	720	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4400	2200	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,1,2-Trichloroethane	ND		4400	930	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,1-Dichloroethane	ND		4400	1400	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,1-Dichloroethene	ND		4400	1500	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,2,4-Trichlorobenzene	ND		4400	1700	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,2-Dibromo-3-Chloropropane	ND		4400	2200	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,2-Dibromoethane	ND		4400	770	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,2-Dichlorobenzene	ND		4400	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,2-Dichloroethane	ND		4400	1800	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,2-Dichloropropane	ND		4400	720	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,3-Dichlorobenzene	ND		4400	1200	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
1,4-Dichlorobenzene	ND		4400	620	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
2-Butanone (MEK)	ND		22000	13000	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
2-Hexanone	ND		22000	9100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
4-Methyl-2-pentanone (MIBK)	ND		22000	1400	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Acetone	ND	*1	22000	18000	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Benzene	ND		4400	840	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Bromodichloromethane	ND		4400	880	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Bromoform	ND		4400	2200	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Bromomethane	ND		4400	970	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Carbon disulfide	ND		4400	2000	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Carbon tetrachloride	ND		4400	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Chlorobenzene	ND		4400	580	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Chloroethane	ND		4400	920	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Chloroform	ND		4400	3000	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Chloromethane	ND		4400	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
cis-1,2-Dichloroethene	ND		4400	1200	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
cis-1,3-Dichloropropene	ND		4400	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Cyclohexane	ND		4400	980	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Dibromochloromethane	ND		4400	2100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Dichlorodifluoromethane	ND		4400	1900	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Ethylbenzene	ND		4400	1300	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Isopropylbenzene	ND		4400	660	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Methyl acetate	ND		22000	2100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Methyl tert-butyl ether	ND		4400	1700	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Methylcyclohexane	ND		4400	2100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Methylene Chloride	ND		4400	870	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Styrene	ND		4400	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Tetrachloroethene	**350000**		4400	590	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Toluene	ND		4400	1200	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
trans-1,2-Dichloroethene	ND		4400	1000	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
trans-1,3-Dichloropropene	ND		4400	430	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Trichloroethene	**16000**		4400	1200	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Trichlorofluoromethane	ND	*1	4400	2100	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Vinyl chloride	ND		4400	1500	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80
Xylenes, Total	ND		8800	2400	ug/Kg	☼	09/05/24 07:57	09/05/24 13:53	80

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 301 6'-7'

Date Collected: 09/03/24 02:20
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-1

Matrix: Solid
Percent Solids: 79.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	09/05/24 07:57	09/05/24 13:53	80
4-Bromofluorobenzene (Surr)	90		49 - 148	09/05/24 07:57	09/05/24 13:53	80
Toluene-d8 (Surr)	94		50 - 149	09/05/24 07:57	09/05/24 13:53	80
Dibromofluoromethane (Surr)	99		60 - 140	09/05/24 07:57	09/05/24 13:53	80

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 302 6'-6.5'

Date Collected: 09/03/24 01:10
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-2

Matrix: Solid
Percent Solids: 78.8

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		2300	620	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,1,2,2-Tetrachloroethane	ND		2300	370	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,1,2-Trichloroethane	ND		2300	470	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,1-Dichloroethane	ND		2300	700	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,1-Dichloroethene	ND		2300	780	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,2,4-Trichlorobenzene	ND		2300	850	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,2-Dibromo-3-Chloropropane	ND		2300	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,2-Dibromoethane	ND		2300	390	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,2-Dichlorobenzene	ND		2300	570	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,2-Dichloroethane	ND		2300	920	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,2-Dichloropropane	ND		2300	370	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,3-Dichlorobenzene	ND		2300	600	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
1,4-Dichlorobenzene	ND		2300	320	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
2-Butanone (MEK)	ND		11000	6700	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
2-Hexanone	ND		11000	4600	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
4-Methyl-2-pentanone (MIBK)	ND		11000	720	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Acetone	ND	*1	11000	9300	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Benzene	ND		2300	430	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Bromodichloromethane	ND		2300	450	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Bromoform	ND		2300	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Bromomethane	ND		2300	500	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Carbon disulfide	ND		2300	1000	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Carbon tetrachloride	ND		2300	570	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Chlorobenzene	ND		2300	300	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Chloroethane	ND		2300	470	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Chloroform	ND		2300	1500	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Chloromethane	ND		2300	540	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
cis-1,2-Dichloroethene	ND		2300	620	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
cis-1,3-Dichloropropene	ND		2300	540	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Cyclohexane	ND		2300	500	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Dibromochloromethane	ND		2300	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Dichlorodifluoromethane	ND		2300	980	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Ethylbenzene	ND		2300	660	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Isopropylbenzene	ND		2300	340	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Methyl acetate	ND		11000	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Methyl tert-butyl ether	ND		2300	850	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Methylcyclohexane	ND		2300	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Methylene Chloride	ND		2300	450	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Styrene	ND		2300	540	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Tetrachloroethene	**150000**		2300	300	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Toluene	ND		2300	600	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
trans-1,2-Dichloroethene	ND		2300	530	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
trans-1,3-Dichloropropene	ND		2300	220	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Trichloroethene	ND		2300	630	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Trichlorofluoromethane	ND	*1	2300	1100	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Vinyl chloride	ND		2300	760	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40
Xylenes, Total	ND		4500	1200	ug/Kg	☼	09/05/24 07:57	09/05/24 14:17	40

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 302 6'-6.5'

Date Collected: 09/03/24 01:10
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-2

Matrix: Solid
Percent Solids: 78.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		53 - 146	09/05/24 07:57	09/05/24 14:17	40
4-Bromofluorobenzene (Surr)	89		49 - 148	09/05/24 07:57	09/05/24 14:17	40
Toluene-d8 (Surr)	95		50 - 149	09/05/24 07:57	09/05/24 14:17	40
Dibromofluoromethane (Surr)	102		60 - 140	09/05/24 07:57	09/05/24 14:17	40

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 303 6'-7'

Date Collected: 09/03/24 01:40
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-3

Matrix: Solid
Percent Solids: 79.1

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		4.0	0.29	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.65	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.92	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,1,2-Trichloroethane	ND		4.0	0.52	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,1-Dichloroethane	ND		4.0	0.49	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,1-Dichloroethene	ND		4.0	0.49	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,2,4-Trichlorobenzene	ND		4.0	0.24	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,2-Dibromo-3-Chloropropane	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,2-Dibromoethane	ND		4.0	0.52	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,2-Dichlorobenzene	ND		4.0	0.32	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,2-Dichloroethane	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,2-Dichloropropane	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,3-Dichlorobenzene	ND		4.0	0.21	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
1,4-Dichlorobenzene	ND		4.0	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
2-Butanone (MEK)	ND		20	1.5	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
2-Hexanone	ND		20	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
4-Methyl-2-pentanone (MIBK)	ND		20	1.3	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Acetone	**12**	**J**	20	3.4	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Benzene	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Bromodichloromethane	ND		4.0	0.54	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Bromoform	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Bromomethane	ND		4.0	0.36	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Carbon disulfide	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Carbon tetrachloride	ND		4.0	0.39	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Chlorobenzene	ND		4.0	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Chloroethane	ND		4.0	0.91	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Chloroform	ND		4.0	0.25	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Chloromethane	ND		4.0	0.24	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
cis-1,2-Dichloroethene	**53**		4.0	0.52	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
cis-1,3-Dichloropropene	ND		4.0	0.58	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Cyclohexane	ND		4.0	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Dibromochloromethane	ND		4.0	0.52	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Dichlorodifluoromethane	ND		4.0	0.33	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Ethylbenzene	ND		4.0	0.28	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Isopropylbenzene	ND		4.0	0.61	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Methyl acetate	ND		20	2.4	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Methyl tert-butyl ether	ND		4.0	0.40	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Methylcyclohexane	ND		4.0	0.61	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Methylene Chloride	ND		4.0	1.9	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Styrene	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Tetrachloroethene	**0.92**	**J**	4.0	0.54	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Toluene	ND		4.0	0.30	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
trans-1,2-Dichloroethene	**1.1**	**J**	4.0	0.42	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
trans-1,3-Dichloropropene	ND		4.0	1.8	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Trichloroethene	ND		4.0	0.89	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Trichlorofluoromethane	ND		4.0	0.38	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Vinyl chloride	**4.4**		4.0	0.49	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1
Xylenes, Total	ND		8.1	0.68	ug/Kg	☼	09/03/24 16:30	09/04/24 22:12	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 303 6'-7'

Date Collected: 09/03/24 01:40
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-3

Matrix: Solid
Percent Solids: 79.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	09/03/24 16:30	09/04/24 22:12	1
4-Bromofluorobenzene (Surr)	87		72 - 126	09/03/24 16:30	09/04/24 22:12	1
Dibromofluoromethane (Surr)	106		60 - 140	09/03/24 16:30	09/04/24 22:12	1
Toluene-d8 (Surr)	107		71 - 125	09/03/24 16:30	09/04/24 22:12	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 303 FIELD DUPLICATE 6'-7'

Lab Sample ID: 480-223020-4

Date Collected: 09/03/24 01:50
Date Received: 09/03/24 16:50

Matrix: Solid
Percent Solids: 81.0

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		4.0	0.29	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.65	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.91	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,1,2-Trichloroethane	ND		4.0	0.52	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,1-Dichloroethane	ND		4.0	0.49	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,1-Dichloroethene	ND		4.0	0.49	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,2,4-Trichlorobenzene	ND		4.0	0.24	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,2-Dibromo-3-Chloropropane	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,2-Dibromoethane	ND		4.0	0.51	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,2-Dichlorobenzene	ND		4.0	0.31	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,2-Dichloroethane	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,2-Dichloropropane	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,3-Dichlorobenzene	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
1,4-Dichlorobenzene	ND		4.0	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
2-Butanone (MEK)	ND		20	1.5	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
2-Hexanone	ND		20	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
4-Methyl-2-pentanone (MIBK)	ND		20	1.3	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Acetone	**10**	**J**	20	3.4	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Benzene	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Bromodichloromethane	ND		4.0	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Bromoform	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Bromomethane	ND		4.0	0.36	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Carbon disulfide	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Carbon tetrachloride	ND		4.0	0.39	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Chlorobenzene	ND		4.0	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Chloroethane	ND		4.0	0.90	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Chloroform	ND		4.0	0.25	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Chloromethane	ND		4.0	0.24	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
cis-1,2-Dichloroethene	**110**		4.0	0.51	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
cis-1,3-Dichloropropene	ND		4.0	0.57	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Cyclohexane	ND		4.0	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Dibromochloromethane	ND		4.0	0.51	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Dichlorodifluoromethane	ND		4.0	0.33	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Ethylbenzene	ND		4.0	0.27	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Isopropylbenzene	ND		4.0	0.60	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Methyl acetate	ND		20	2.4	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Methyl tert-butyl ether	ND		4.0	0.39	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Methylcyclohexane	ND		4.0	0.61	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Methylene Chloride	ND		4.0	1.8	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Styrene	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Tetrachloroethene	**9.5**		4.0	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Toluene	ND		4.0	0.30	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
trans-1,2-Dichloroethene	**4.8**		4.0	0.41	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
trans-1,3-Dichloropropene	ND		4.0	1.8	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Trichloroethene	**83**		4.0	0.88	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Trichlorofluoromethane	ND		4.0	0.38	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Vinyl chloride	**1.4**	**J**	4.0	0.49	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1
Xylenes, Total	ND		8.0	0.67	ug/Kg	☼	09/03/24 16:30	09/04/24 22:36	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 303 FIELD DUPLICATE 6'-7'

Lab Sample ID: 480-223020-4

Date Collected: 09/03/24 01:50
Date Received: 09/03/24 16:50

Matrix: Solid
Percent Solids: 81.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	09/03/24 16:30	09/04/24 22:36	1
4-Bromofluorobenzene (Surr)	85		72 - 126	09/03/24 16:30	09/04/24 22:36	1
Dibromofluoromethane (Surr)	105		60 - 140	09/03/24 16:30	09/04/24 22:36	1
Toluene-d8 (Surr)	104		71 - 125	09/03/24 16:30	09/04/24 22:36	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 304 6'-7'

Date Collected: 09/03/24 12:50
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-5

Matrix: Solid
Percent Solids: 79.4

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		4.3	0.31	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.70	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.99	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,1,2-Trichloroethane	ND		4.3	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,1-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,1-Dichloroethene	ND		4.3	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,2,4-Trichlorobenzene	ND		4.3	0.26	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,2-Dibromo-3-Chloropropane	ND		4.3	2.2	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,2-Dibromoethane	ND		4.3	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,2-Dichlorobenzene	ND		4.3	0.34	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,2-Dichloropropane	ND		4.3	2.2	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
1,4-Dichlorobenzene	ND		4.3	0.61	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
2-Butanone (MEK)	ND		22	1.6	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.4	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Acetone	**8.9**	**J**	22	3.7	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Benzene	ND		4.3	0.21	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Bromodichloromethane	ND		4.3	0.58	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Bromoform	ND		4.3	2.2	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Bromomethane	ND		4.3	0.39	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Carbon disulfide	ND		4.3	2.2	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Carbon tetrachloride	ND		4.3	0.42	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Chlorobenzene	ND		4.3	0.57	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Chloroethane	ND		4.3	0.98	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Chloroform	**0.30**	**J**	4.3	0.27	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Chloromethane	ND		4.3	0.26	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
cis-1,2-Dichloroethene	ND		4.3	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
cis-1,3-Dichloropropene	ND		4.3	0.62	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Cyclohexane	ND		4.3	0.61	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Dibromochloromethane	ND		4.3	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Dichlorodifluoromethane	ND		4.3	0.36	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Ethylbenzene	ND		4.3	0.30	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Isopropylbenzene	ND		4.3	0.65	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Methyl acetate	ND		22	2.6	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Methyl tert-butyl ether	ND		4.3	0.43	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Methylcyclohexane	ND		4.3	0.66	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Methylene Chloride	ND		4.3	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Styrene	ND		4.3	0.22	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Tetrachloroethene	**1.0**	**J**	4.3	0.58	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Toluene	ND		4.3	0.33	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
trans-1,2-Dichloroethene	ND		4.3	0.45	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
trans-1,3-Dichloropropene	ND		4.3	1.9	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Trichloroethene	ND		4.3	0.95	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Trichlorofluoromethane	ND		4.3	0.41	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Vinyl chloride	ND		4.3	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1
Xylenes, Total	ND		8.7	0.73	ug/Kg	☼	09/03/24 16:30	09/04/24 23:00	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 304 6'-7'
Date Collected: 09/03/24 12:50
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-5
Matrix: Solid
Percent Solids: 79.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		64 - 126	09/03/24 16:30	09/04/24 23:00	1
4-Bromofluorobenzene (Surr)	91		72 - 126	09/03/24 16:30	09/04/24 23:00	1
Dibromofluoromethane (Surr)	108		60 - 140	09/03/24 16:30	09/04/24 23:00	1
Toluene-d8 (Surr)	100		71 - 125	09/03/24 16:30	09/04/24 23:00	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 305 6'-7'

Date Collected: 09/03/24 12:30
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-6

Matrix: Solid
Percent Solids: 79.5

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		4.0	0.29	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.64	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.90	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,1,2-Trichloroethane	ND		4.0	0.52	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,1-Dichloroethane	ND		4.0	0.48	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,1-Dichloroethene	ND		4.0	0.49	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,2,4-Trichlorobenzene	ND		4.0	0.24	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,2-Dibromo-3-Chloropropane	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,2-Dibromoethane	ND		4.0	0.51	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,2-Dichlorobenzene	ND		4.0	0.31	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,2-Dichloroethane	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,2-Dichloropropane	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,3-Dichlorobenzene	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
1,4-Dichlorobenzene	ND		4.0	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
2-Butanone (MEK)	ND		20	1.5	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
2-Hexanone	ND		20	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
4-Methyl-2-pentanone (MIBK)	ND		20	1.3	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Acetone	**6.8**	**J**	20	3.3	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Benzene	ND		4.0	0.19	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Bromodichloromethane	ND		4.0	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Bromoform	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Bromomethane	ND		4.0	0.36	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Carbon disulfide	ND		4.0	2.0	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Carbon tetrachloride	ND		4.0	0.38	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Chlorobenzene	ND		4.0	0.52	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Chloroethane	ND		4.0	0.90	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Chloroform	**0.25**	**J**	4.0	0.25	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Chloromethane	ND		4.0	0.24	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
cis-1,2-Dichloroethene	ND		4.0	0.51	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
cis-1,3-Dichloropropene	ND		4.0	0.57	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Cyclohexane	ND		4.0	0.56	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Dibromochloromethane	ND		4.0	0.51	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Dichlorodifluoromethane	ND		4.0	0.33	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Ethylbenzene	ND		4.0	0.27	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Isopropylbenzene	ND		4.0	0.60	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Methyl acetate	ND		20	2.4	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Methyl tert-butyl ether	ND		4.0	0.39	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Methylcyclohexane	ND		4.0	0.60	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Methylene Chloride	ND		4.0	1.8	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Styrene	ND		4.0	0.20	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Tetrachloroethene	ND		4.0	0.53	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Toluene	ND		4.0	0.30	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
trans-1,2-Dichloroethene	ND		4.0	0.41	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
trans-1,3-Dichloropropene	ND		4.0	1.7	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Trichloroethene	ND		4.0	0.87	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Trichlorofluoromethane	ND		4.0	0.38	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Vinyl chloride	ND		4.0	0.48	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1
Xylenes, Total	ND		7.9	0.67	ug/Kg	☼	09/03/24 16:30	09/04/24 23:24	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: SB 305 6'-7'
Date Collected: 09/03/24 12:30
Date Received: 09/03/24 16:50

Lab Sample ID: 480-223020-6
Matrix: Solid
Percent Solids: 79.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	09/03/24 16:30	09/04/24 23:24	1
4-Bromofluorobenzene (Surr)	89		72 - 126	09/03/24 16:30	09/04/24 23:24	1
Dibromofluoromethane (Surr)	104		60 - 140	09/03/24 16:30	09/04/24 23:24	1
Toluene-d8 (Surr)	103		71 - 125	09/03/24 16:30	09/04/24 23:24	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 480-223020-7

Date Collected: 09/03/24 02:45
Date Received: 09/03/24 16:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/04/24 15:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/24 15:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/24 15:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/24 15:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/24 15:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/24 15:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/24 15:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/24 15:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/24 15:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/24 15:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/24 15:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/24 15:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/24 15:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/24 15:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/24 15:05	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/24 15:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/24 15:05	1
Acetone	ND		10	3.0	ug/L			09/04/24 15:05	1
Benzene	ND		1.0	0.41	ug/L			09/04/24 15:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/24 15:05	1
Bromoform	ND		1.0	0.26	ug/L			09/04/24 15:05	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/24 15:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/24 15:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/24 15:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/24 15:05	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/24 15:05	1
Chloroform	ND		1.0	0.34	ug/L			09/04/24 15:05	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/24 15:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/24 15:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/24 15:05	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/24 15:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/24 15:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/24 15:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/24 15:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/24 15:05	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/24 15:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/24 15:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/24 15:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/24 15:05	1
Styrene	ND		1.0	0.73	ug/L			09/04/24 15:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/24 15:05	1
Toluene	ND		1.0	0.51	ug/L			09/04/24 15:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/24 15:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/24 15:05	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/24 15:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/24 15:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/24 15:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/24 15:05	1

Client Sample Results

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

Job ID: 480-223020-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 480-223020-7

Date Collected: 09/03/24 02:45
Date Received: 09/03/24 16:50

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/04/24 15:05	1
4-Bromofluorobenzene (Surr)	94		73 - 120		09/04/24 15:05	1
Dibromofluoromethane (Surr)	98		75 - 123		09/04/24 15:05	1
Toluene-d8 (Surr)	95		80 - 120		09/04/24 15:05	1

Surrogate Summary

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

Job ID: 480-223020-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-223020-1	SB 301 6'-7'	107	90	94	99
480-223020-2	SB 302 6'-6.5'	110	89	95	102
LCS 480-724018/1-A	Lab Control Sample	104	91	96	104
LCSD 480-724018/2-A	Lab Control Sample Dup	105	89	93	98
MB 480-724018/3-A	Method Blank	114	93	102	104

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(60-140)	(64-126)	(72-126)	(71-125)
480-223020-3	SB 303 6'-7'	106	108	87	107
480-223020-4	SB 303 FIELD DUPLICATE 6'-7'	105	108	85	104
480-223020-5	SB 304 6'-7'	108	111	91	100
480-223020-6	SB 305 6'-7'	104	105	89	103
LCS 480-723993/1-A	Lab Control Sample	104	103	96	96
MB 480-723993/2-A	Method Blank	103	101	94	98

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-223020-7	EQUIPMENT BLANK	101	94	98	95
LCS 480-723925/6	Lab Control Sample	104	96	105	98
MB 480-723925/8	Method Blank	104	98	103	97

Surrogate Legend

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

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

Lab Sample ID: MB 480-723925/8
Matrix: Water
Analysis Batch: 723925

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			09/04/24 13:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/04/24 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/04/24 13:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/04/24 13:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/04/24 13:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/04/24 13:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/04/24 13:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/04/24 13:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/04/24 13:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/04/24 13:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/04/24 13:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/04/24 13:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/04/24 13:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/04/24 13:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/04/24 13:41	1
2-Hexanone	ND		5.0	1.2	ug/L			09/04/24 13:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/04/24 13:41	1
Acetone	ND		10	3.0	ug/L			09/04/24 13:41	1
Benzene	ND		1.0	0.41	ug/L			09/04/24 13:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/04/24 13:41	1
Bromoform	ND		1.0	0.26	ug/L			09/04/24 13:41	1
Bromomethane	ND		1.0	0.69	ug/L			09/04/24 13:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/04/24 13:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/04/24 13:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/04/24 13:41	1
Chloroethane	ND		1.0	0.32	ug/L			09/04/24 13:41	1
Chloroform	ND		1.0	0.34	ug/L			09/04/24 13:41	1
Chloromethane	ND		1.0	0.35	ug/L			09/04/24 13:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/04/24 13:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/04/24 13:41	1
Cyclohexane	ND		1.0	0.18	ug/L			09/04/24 13:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/04/24 13:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/04/24 13:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/04/24 13:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/04/24 13:41	1
Methyl acetate	ND		2.5	1.3	ug/L			09/04/24 13:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/04/24 13:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/04/24 13:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/04/24 13:41	1
Styrene	ND		1.0	0.73	ug/L			09/04/24 13:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/04/24 13:41	1
Toluene	ND		1.0	0.51	ug/L			09/04/24 13:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/04/24 13:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/04/24 13:41	1
Trichloroethene	ND		1.0	0.46	ug/L			09/04/24 13:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/04/24 13:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/04/24 13:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/04/24 13:41	1

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

Lab Sample ID: MB 480-723925/8
Matrix: Water
Analysis Batch: 723925

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		09/04/24 13:41	1
4-Bromofluorobenzene (Surr)	98		73 - 120		09/04/24 13:41	1
Dibromofluoromethane (Surr)	103		75 - 123		09/04/24 13:41	1
Toluene-d8 (Surr)	97		80 - 120		09/04/24 13:41	1

Lab Sample ID: LCS 480-723925/6
Matrix: Water
Analysis Batch: 723925

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	27.6		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.7		ug/L		103	61 - 148
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	26.6		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	56 - 134
1,2-Dibromoethane	25.0	25.2		ug/L		101	77 - 120
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	26.5		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	135		ug/L		108	57 - 140
2-Hexanone	125	123		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	26.4		ug/L		106	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	25.6		ug/L		103	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	26.6		ug/L		106	59 - 134
Carbon tetrachloride	25.0	28.0		ug/L		112	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	25.1		ug/L		101	73 - 127
Chloromethane	25.0	25.8		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	27.5		ug/L		110	74 - 124
Cyclohexane	25.0	28.3		ug/L		113	59 - 135
Dibromochloromethane	25.0	26.4		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	26.7		ug/L		107	59 - 135
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
Isopropylbenzene	25.0	26.4		ug/L		105	77 - 122
Methyl acetate	50.0	47.6		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	25.3		ug/L		101	77 - 120
Methylcyclohexane	25.0	28.1		ug/L		112	68 - 134

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

Lab Sample ID: LCS 480-723925/6
Matrix: Water
Analysis Batch: 723925

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	26.8		ug/L		107	75 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	27.5		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	80 - 120
Trichloroethene	25.0	27.2		ug/L		109	74 - 123
Trichlorofluoromethane	25.0	23.5		ug/L		94	62 - 150
Vinyl chloride	25.0	24.8		ug/L		99	65 - 133
Xylenes, Total	50.0	50.2		ug/L		100	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 480-723993/2-A
Matrix: Solid
Analysis Batch: 723994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 723993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
2-Hexanone	ND		25	2.5	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Acetone	ND		25	4.2	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Benzene	ND		5.0	0.25	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Bromoform	ND		5.0	2.5	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Bromomethane	ND		5.0	0.45	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Chloroethane	ND		5.0	1.1	ug/Kg		09/04/24 18:01	09/04/24 21:32	1

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

Lab Sample ID: MB 480-723993/2-A
Matrix: Solid
Analysis Batch: 723994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 723993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0	0.31	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Chloromethane	ND		5.0	0.30	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Cyclohexane	ND		5.0	0.70	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Methyl acetate	ND		25	3.0	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Styrene	ND		5.0	0.25	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Toluene	ND		5.0	0.38	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Trichloroethene	ND		5.0	1.1	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		09/04/24 18:01	09/04/24 21:32	1
Xylenes, Total	ND		10	0.84	ug/Kg		09/04/24 18:01	09/04/24 21:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*09/04/24 18:01*	*09/04/24 21:32*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*09/04/24 18:01*	*09/04/24 21:32*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/04/24 18:01*	*09/04/24 21:32*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*09/04/24 18:01*	*09/04/24 21:32*	*1*

Lab Sample ID: LCS 480-723993/1-A
Matrix: Solid
Analysis Batch: 723994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	48.9		ug/Kg		98	77 - 121
1,1,2,2-Tetrachloroethane	50.0	46.1		ug/Kg		92	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	46.4		ug/Kg		93	60 - 140
1,1,2-Trichloroethane	50.0	45.3		ug/Kg		91	78 - 122
1,1-Dichloroethane	50.0	49.4		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	46.4		ug/Kg		93	59 - 125
1,2,4-Trichlorobenzene	50.0	41.4		ug/Kg		83	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	43.9		ug/Kg		88	63 - 124
1,2-Dibromoethane	50.0	44.8		ug/Kg		90	78 - 120
1,2-Dichlorobenzene	50.0	43.1		ug/Kg		86	75 - 120
1,2-Dichloroethane	50.0	50.7		ug/Kg		101	77 - 122
1,2-Dichloropropane	50.0	49.8		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	43.1		ug/Kg		86	74 - 120
1,4-Dichlorobenzene	50.0	42.2		ug/Kg		84	73 - 120

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

Lab Sample ID: LCS 480-723993/1-A
Matrix: Solid
Analysis Batch: 723994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	250	272		ug/Kg		109	70 - 134
2-Hexanone	250	253		ug/Kg		101	59 - 130
4-Methyl-2-pentanone (MIBK)	250	248		ug/Kg		99	65 - 133
Acetone	250	268		ug/Kg		107	61 - 137
Benzene	50.0	48.1		ug/Kg		96	79 - 127
Bromodichloromethane	50.0	49.7		ug/Kg		99	80 - 122
Bromoform	50.0	43.3		ug/Kg		87	68 - 126
Bromomethane	50.0	41.8		ug/Kg		84	37 - 149
Carbon disulfide	50.0	44.9		ug/Kg		90	64 - 131
Carbon tetrachloride	50.0	47.7		ug/Kg		95	75 - 135
Chlorobenzene	50.0	43.3		ug/Kg		87	76 - 124
Chloroethane	50.0	45.3		ug/Kg		91	69 - 135
Chloroform	50.0	47.3		ug/Kg		95	80 - 120
Chloromethane	50.0	41.9		ug/Kg		84	63 - 127
cis-1,2-Dichloroethene	50.0	48.1		ug/Kg		96	81 - 120
cis-1,3-Dichloropropene	50.0	49.3		ug/Kg		99	80 - 120
Cyclohexane	50.0	48.8		ug/Kg		98	65 - 120
Dibromochloromethane	50.0	45.4		ug/Kg		91	76 - 125
Dichlorodifluoromethane	50.0	33.9		ug/Kg		68	57 - 142
Ethylbenzene	50.0	43.9		ug/Kg		88	80 - 120
Isopropylbenzene	50.0	44.9		ug/Kg		90	72 - 120
Methyl acetate	100	104		ug/Kg		104	55 - 136
Methyl tert-butyl ether	50.0	48.3		ug/Kg		97	63 - 125
Methylcyclohexane	50.0	47.9		ug/Kg		96	60 - 140
Methylene Chloride	50.0	46.9		ug/Kg		94	61 - 127
Styrene	50.0	43.8		ug/Kg		88	80 - 120
Tetrachloroethene	50.0	42.0		ug/Kg		84	74 - 122
Toluene	50.0	43.5		ug/Kg		87	74 - 128
trans-1,2-Dichloroethene	50.0	47.5		ug/Kg		95	78 - 126
trans-1,3-Dichloropropene	50.0	45.2		ug/Kg		90	73 - 123
Trichloroethene	50.0	47.9		ug/Kg		96	77 - 129
Trichlorofluoromethane	50.0	45.3		ug/Kg		91	65 - 146
Vinyl chloride	50.0	43.1		ug/Kg		86	61 - 133
Xylenes, Total	100	86.6		ug/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*96*		*71 - 125*

Lab Sample ID: MB 480-724018/3-A
Matrix: Solid
Analysis Batch: 724016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		09/05/24 07:57	09/05/24 13:07	1

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

Lab Sample ID: MB 480-724018/3-A
Matrix: Solid
Analysis Batch: 724016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,1-Dichloroethane	ND		100	31	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,1-Dichloroethene	ND		100	35	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,2-Dibromoethane	ND		100	18	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,2-Dichloroethane	ND		100	41	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,2-Dichloropropane	ND		100	16	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
2-Butanone (MEK)	ND		500	300	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
2-Hexanone	ND		500	210	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Acetone	ND		500	410	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Benzene	ND		100	19	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Bromodichloromethane	ND		100	20	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Bromoform	ND		100	50	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Bromomethane	ND		100	22	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Carbon disulfide	ND		100	46	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Carbon tetrachloride	ND		100	26	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Chlorobenzene	ND		100	13	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Chloroethane	ND		100	21	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Chloroform	ND		100	69	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Chloromethane	ND		100	24	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Cyclohexane	ND		100	22	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Dibromochloromethane	ND		100	48	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Ethylbenzene	ND		100	29	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Isopropylbenzene	ND		100	15	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Methyl acetate	ND		500	48	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Methylcyclohexane	ND		100	47	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Methylene Chloride	ND		100	20	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Styrene	ND		100	24	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Tetrachloroethene	ND		100	13	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Toluene	ND		100	27	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Trichloroethene	ND		100	28	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Trichlorofluoromethane	ND		100	47	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Vinyl chloride	ND		100	34	ug/Kg		09/05/24 07:57	09/05/24 13:07	1
Xylenes, Total	ND		200	55	ug/Kg		09/05/24 07:57	09/05/24 13:07	1

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

Lab Sample ID: MB 480-724018/3-A
Matrix: Solid
Analysis Batch: 724016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724018

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		53 - 146	09/05/24 07:57	09/05/24 13:07	1
4-Bromofluorobenzene (Surr)	93		49 - 148	09/05/24 07:57	09/05/24 13:07	1
Dibromofluoromethane (Surr)	104		60 - 140	09/05/24 07:57	09/05/24 13:07	1
Toluene-d8 (Surr)	102		50 - 149	09/05/24 07:57	09/05/24 13:07	1

Lab Sample ID: LCS 480-724018/1-A
Matrix: Solid
Analysis Batch: 724016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2550		ug/Kg		102	68 - 130
1,1,2,2-Tetrachloroethane	2500	2270		ug/Kg		91	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2130		ug/Kg		85	10 - 179
1,1,2-Trichloroethane	2500	2360		ug/Kg		94	80 - 120
1,1-Dichloroethane	2500	2630		ug/Kg		105	78 - 121
1,1-Dichloroethene	2500	2310		ug/Kg		92	48 - 133
1,2,4-Trichlorobenzene	2500	2420		ug/Kg		97	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2120		ug/Kg		85	56 - 122
1,2-Dibromoethane	2500	2310		ug/Kg		92	80 - 120
1,2-Dichlorobenzene	2500	2300		ug/Kg		92	78 - 125
1,2-Dichloroethane	2500	2470		ug/Kg		99	74 - 127
1,2-Dichloropropane	2500	2730		ug/Kg		109	80 - 120
1,3-Dichlorobenzene	2500	2360		ug/Kg		95	80 - 120
1,4-Dichlorobenzene	2500	2350		ug/Kg		94	80 - 120
2-Butanone (MEK)	12500	13400		ug/Kg		108	54 - 149
2-Hexanone	12500	11300		ug/Kg		91	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11400		ug/Kg		91	74 - 120
Acetone	12500	9360		ug/Kg		75	47 - 141
Benzene	2500	2570		ug/Kg		103	77 - 125
Bromodichloromethane	2500	2480		ug/Kg		99	71 - 121
Bromoform	2500	2070		ug/Kg		83	48 - 125
Bromomethane	2500	1870		ug/Kg		75	39 - 149
Carbon disulfide	2500	2380		ug/Kg		95	40 - 136
Carbon tetrachloride	2500	2500		ug/Kg		100	54 - 135
Chlorobenzene	2500	2300		ug/Kg		92	76 - 126
Chloroethane	2500	2000		ug/Kg		80	23 - 150
Chloroform	2500	2390		ug/Kg		96	78 - 120
Chloromethane	2500	2490		ug/Kg		100	61 - 124
cis-1,2-Dichloroethene	2500	2570		ug/Kg		103	79 - 124
cis-1,3-Dichloropropene	2500	2700		ug/Kg		108	75 - 121
Cyclohexane	2500	2690		ug/Kg		107	49 - 129
Dibromochloromethane	2500	2200		ug/Kg		88	64 - 120
Dichlorodifluoromethane	2500	2200		ug/Kg		88	10 - 150
Ethylbenzene	2500	2420		ug/Kg		97	78 - 124
Isopropylbenzene	2500	2620		ug/Kg		105	76 - 120
Methyl acetate	5000	5150		ug/Kg		103	71 - 123
Methyl tert-butyl ether	2500	2440		ug/Kg		98	67 - 137
Methylcyclohexane	2500	2590		ug/Kg		104	50 - 130

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

Lab Sample ID: LCS 480-724018/1-A
Matrix: Solid
Analysis Batch: 724016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	2500	2570		ug/Kg		103	75 - 118
Styrene	2500	2330		ug/Kg		93	80 - 120
Tetrachloroethene	2500	2380		ug/Kg		95	73 - 133
Toluene	2500	2350		ug/Kg		94	75 - 124
trans-1,2-Dichloroethene	2500	2620		ug/Kg		105	74 - 129
trans-1,3-Dichloropropene	2500	2440		ug/Kg		97	73 - 120
Trichloroethene	2500	2630		ug/Kg		105	75 - 131
Trichlorofluoromethane	2500	1950		ug/Kg		78	29 - 158
Vinyl chloride	2500	2480		ug/Kg		99	59 - 124
Xylenes, Total	5000	4700		ug/Kg		94	78 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*
4-Bromofluorobenzene (Surr)	*91*		*49 - 148*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*96*		*50 - 149*

Lab Sample ID: LCSD 480-724018/2-A
Matrix: Solid
Analysis Batch: 724016

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 724018

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	2500	2370		ug/Kg		95	68 - 130	7	20
1,1,2,2-Tetrachloroethane	2500	2310		ug/Kg		92	73 - 120	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2120		ug/Kg		85	10 - 179	1	20
1,1,2-Trichloroethane	2500	2470		ug/Kg		99	80 - 120	4	20
1,1-Dichloroethane	2500	2590		ug/Kg		104	78 - 121	1	20
1,1-Dichloroethene	2500	2330		ug/Kg		93	48 - 133	1	20
1,2,4-Trichlorobenzene	2500	2310		ug/Kg		92	70 - 140	4	20
1,2-Dibromo-3-Chloropropane	2500	2100		ug/Kg		84	56 - 122	1	20
1,2-Dibromoethane	2500	2290		ug/Kg		92	80 - 120	1	20
1,2-Dichlorobenzene	2500	2250		ug/Kg		90	78 - 125	2	20
1,2-Dichloroethane	2500	2440		ug/Kg		98	74 - 127	1	20
1,2-Dichloropropane	2500	2660		ug/Kg		106	80 - 120	2	20
1,3-Dichlorobenzene	2500	2330		ug/Kg		93	80 - 120	1	20
1,4-Dichlorobenzene	2500	2280		ug/Kg		91	80 - 120	3	20
2-Butanone (MEK)	12500	13400		ug/Kg		107	54 - 149	1	20
2-Hexanone	12500	13000		ug/Kg		104	59 - 127	14	20
4-Methyl-2-pentanone (MIBK)	12500	12900		ug/Kg		103	74 - 120	12	20
Acetone	12500	11500	*1	ug/Kg		92	47 - 141	21	20
Benzene	2500	2570		ug/Kg		103	77 - 125	0	20
Bromodichloromethane	2500	2320		ug/Kg		93	71 - 121	7	20
Bromoform	2500	1810		ug/Kg		72	48 - 125	14	20
Bromomethane	2500	1720		ug/Kg		69	39 - 149	8	20
Carbon disulfide	2500	2360		ug/Kg		94	40 - 136	1	20
Carbon tetrachloride	2500	2300		ug/Kg		92	54 - 135	9	20
Chlorobenzene	2500	2280		ug/Kg		91	76 - 126	1	20
Chloroethane	2500	2120		ug/Kg		85	23 - 150	6	20

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

Lab Sample ID: LCSD 480-724018/2-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 724016
Prep Batch: 724018

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	2500	2350		ug/Kg		94	78 - 120	2	20
Chloromethane	2500	2430		ug/Kg		97	61 - 124	3	20
cis-1,2-Dichloroethene	2500	2440		ug/Kg		98	79 - 124	5	20
cis-1,3-Dichloropropene	2500	2550		ug/Kg		102	75 - 121	6	20
Cyclohexane	2500	2660		ug/Kg		106	49 - 129	1	20
Dibromochloromethane	2500	2020		ug/Kg		81	64 - 120	9	20
Dichlorodifluoromethane	2500	2030		ug/Kg		81	10 - 150	8	20
Ethylbenzene	2500	2370		ug/Kg		95	78 - 124	2	20
Isopropylbenzene	2500	2510		ug/Kg		101	76 - 120	4	20
Methyl acetate	5000	5760		ug/Kg		115	71 - 123	11	20
Methyl tert-butyl ether	2500	2330		ug/Kg		93	67 - 137	5	20
Methylcyclohexane	2500	2520		ug/Kg		101	50 - 130	3	20
Methylene Chloride	2500	2590		ug/Kg		104	75 - 118	1	20
Styrene	2500	2350		ug/Kg		94	80 - 120	1	20
Tetrachloroethene	2500	2290		ug/Kg		92	73 - 133	4	20
Toluene	2500	2270		ug/Kg		91	75 - 124	3	20
trans-1,2-Dichloroethene	2500	2580		ug/Kg		103	74 - 129	2	20
trans-1,3-Dichloropropene	2500	2240		ug/Kg		89	73 - 120	9	20
Trichloroethene	2500	2570		ug/Kg		103	75 - 131	2	20
Trichlorofluoromethane	2500	1580	*1	ug/Kg		63	29 - 158	21	20
Vinyl chloride	2500	2350		ug/Kg		94	59 - 124	5	20
Xylenes, Total	5000	4620		ug/Kg		92	78 - 125	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*
4-Bromofluorobenzene (Surr)	*89*		*49 - 148*
Dibromofluoromethane (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*93*		*50 - 149*

QC Association Summary

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

Job ID: 480-223020-1

GC/MS VOA

Analysis Batch: 723925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223020-7	EQUIPMENT BLANK	Total/NA	Water	8260C	
MB 480-723925/8	Method Blank	Total/NA	Water	8260C	
LCS 480-723925/6	Lab Control Sample	Total/NA	Water	8260C	

Prep Batch: 723993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223020-3	SB 303 6'-7'	Total/NA	Solid	5035A_L	
480-223020-4	SB 303 FIELD DUPLICATE 6'-7'	Total/NA	Solid	5035A_L	
480-223020-5	SB 304 6'-7'	Total/NA	Solid	5035A_L	
480-223020-6	SB 305 6'-7'	Total/NA	Solid	5035A_L	
MB 480-723993/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-723993/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 723994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223020-3	SB 303 6'-7'	Total/NA	Solid	8260C	723993
480-223020-4	SB 303 FIELD DUPLICATE 6'-7'	Total/NA	Solid	8260C	723993
480-223020-5	SB 304 6'-7'	Total/NA	Solid	8260C	723993
480-223020-6	SB 305 6'-7'	Total/NA	Solid	8260C	723993
MB 480-723993/2-A	Method Blank	Total/NA	Solid	8260C	723993
LCS 480-723993/1-A	Lab Control Sample	Total/NA	Solid	8260C	723993

Analysis Batch: 724016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223020-1	SB 301 6'-7'	Total/NA	Solid	8260C	724018
480-223020-2	SB 302 6'-6.5'	Total/NA	Solid	8260C	724018
MB 480-724018/3-A	Method Blank	Total/NA	Solid	8260C	724018
LCS 480-724018/1-A	Lab Control Sample	Total/NA	Solid	8260C	724018
LCSD 480-724018/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	724018

Prep Batch: 724018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223020-1	SB 301 6'-7'	Total/NA	Solid	5035A_H	
480-223020-2	SB 302 6'-6.5'	Total/NA	Solid	5035A_H	
MB 480-724018/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-724018/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
LCSD 480-724018/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_H	

General Chemistry

Analysis Batch: 724132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-223020-1	SB 301 6'-7'	Total/NA	Solid	Moisture	
480-223020-2	SB 302 6'-6.5'	Total/NA	Solid	Moisture	
480-223020-3	SB 303 6'-7'	Total/NA	Solid	Moisture	
480-223020-4	SB 303 FIELD DUPLICATE 6'-7'	Total/NA	Solid	Moisture	
480-223020-5	SB 304 6'-7'	Total/NA	Solid	Moisture	
480-223020-6	SB 305 6'-7'	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 480-223020-1

Client Sample ID: SB 301 6'-7'
Lab Sample ID: 480-223020-1
Date Collected: 09/03/24 02:20
Matrix: Solid
Date Received: 09/03/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	724132	CDC	EET BUF	09/05/24 21:56

Client Sample ID: SB 301 6'-7'
Lab Sample ID: 480-223020-1
Date Collected: 09/03/24 02:20
Matrix: Solid
Date Received: 09/03/24 16:50
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			724018	ZN	EET BUF	09/05/24 07:57
Total/NA	Analysis	8260C		80	724016	ZN	EET BUF	09/05/24 13:53

Client Sample ID: SB 302 6'-6.5'
Lab Sample ID: 480-223020-2
Date Collected: 09/03/24 01:10
Matrix: Solid
Date Received: 09/03/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	724132	CDC	EET BUF	09/05/24 21:56

Client Sample ID: SB 302 6'-6.5'
Lab Sample ID: 480-223020-2
Date Collected: 09/03/24 01:10
Matrix: Solid
Date Received: 09/03/24 16:50
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			724018	ZN	EET BUF	09/05/24 07:57
Total/NA	Analysis	8260C		40	724016	ZN	EET BUF	09/05/24 14:17

Client Sample ID: SB 303 6'-7'
Lab Sample ID: 480-223020-3
Date Collected: 09/03/24 01:40
Matrix: Solid
Date Received: 09/03/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	724132	CDC	EET BUF	09/05/24 21:56

Client Sample ID: SB 303 6'-7'
Lab Sample ID: 480-223020-3
Date Collected: 09/03/24 01:40
Matrix: Solid
Date Received: 09/03/24 16:50
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			723993	CDC	EET BUF	09/03/24 16:30
Total/NA	Analysis	8260C		1	723994	CDC	EET BUF	09/04/24 22:12

Client Sample ID: SB 303 FIELD DUPLICATE 6'-7'
Lab Sample ID: 480-223020-4
Date Collected: 09/03/24 01:50
Matrix: Solid
Date Received: 09/03/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	724132	CDC	EET BUF	09/05/24 21:56

Lab Chronicle

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

Job ID: 480-223020-1

Client Sample ID: SB 303 FIELD DUPLICATE 6'-7'

Lab Sample ID: 480-223020-4
Date Collected: 09/03/24 01:50
Matrix: Solid
Date Received: 09/03/24 16:50
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			723993	CDC	EET BUF	09/03/24 16:30
Total/NA	Analysis	8260C		1	723994	CDC	EET BUF	09/04/24 22:36

Client Sample ID: SB 304 6'-7'

Lab Sample ID: 480-223020-5
Date Collected: 09/03/24 12:50
Matrix: Solid
Date Received: 09/03/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	724132	CDC	EET BUF	09/05/24 21:56

Client Sample ID: SB 304 6'-7'

Lab Sample ID: 480-223020-5
Date Collected: 09/03/24 12:50
Matrix: Solid
Date Received: 09/03/24 16:50
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			723993	CDC	EET BUF	09/03/24 16:30
Total/NA	Analysis	8260C		1	723994	CDC	EET BUF	09/04/24 23:00

Client Sample ID: SB 305 6'-7'

Lab Sample ID: 480-223020-6
Date Collected: 09/03/24 12:30
Matrix: Solid
Date Received: 09/03/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	724132	CDC	EET BUF	09/05/24 21:56

Client Sample ID: SB 305 6'-7'

Lab Sample ID: 480-223020-6
Date Collected: 09/03/24 12:30
Matrix: Solid
Date Received: 09/03/24 16:50
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			723993	CDC	EET BUF	09/03/24 16:30
Total/NA	Analysis	8260C		1	723994	CDC	EET BUF	09/04/24 23:24

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 480-223020-7
Date Collected: 09/03/24 02:45
Matrix: Water
Date Received: 09/03/24 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	723925	ZN	EET BUF	09/04/24 15:05

Laboratory References:

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

Accreditation/Certification Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-223020-1
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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

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

Job ID: 480-223020-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
5030C	Purge and Trap	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Sample Summary

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

Job ID: 480-223020-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-223020-1	SB 301 6'-7'	Solid	09/03/24 02:20	09/03/24 16:50
480-223020-2	SB 302 6'-6.5'	Solid	09/03/24 01:10	09/03/24 16:50
480-223020-3	SB 303 6'-7'	Solid	09/03/24 01:40	09/03/24 16:50
480-223020-4	SB 303 FIELD DUPLICATE 6'-7'	Solid	09/03/24 01:50	09/03/24 16:50
480-223020-5	SB 304 6'-7'	Solid	09/03/24 12:50	09/03/24 16:50
480-223020-6	SB 305 6'-7'	Solid	09/03/24 12:30	09/03/24 16:50
480-223020-7	EQUIPMENT BLANK	Water	09/03/24 02:45	09/03/24 16:50

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Nicholas Archer	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-199197-41108.1
Client Contact: Ms. Christine Curtis	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Matrix Environmental Technologies Inc	PWSID:			Job #:
Address: 3730 California Road PO BOX 427	Due Date Requested:			
City: Orchard Park	TAT Requested (days): regular			
State, Zip: NY, 14127	Compliance Project: Δ Yes Δ No			
Phone: 908-399-3651(Tel) 518-636-5190(Fax)	PO #: 18-046			
Email: ccurtis@matrixbiotech.com	WO #:			
Project Name: Project # 18-046 - Lakeside Village Apts	Project #: 48024071			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None; A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOC CP-51 (STARS) List (LL)	8260C - VOC CP-51 (STARS) List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
SB301 6'-7'	9/3/24	2:20	G	Solid			X	X		
SB302 6'-6.5'		1:10	G	Solid			X	X		
SB303 6'-7'		1:40	G	Solid			X	X		
SB303 Field Duplicate 6'-7'		1:50	G	Solid			X	X		
SB304 6'-7'		12:50	G	Solid			X	X		
SB305 6'-7'		12:30	G	Solid			X	X		
Equipment Blank		2:45	G	Water				X		
				Water						

480-223020 Chain of Custody

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) CAT B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 9/3/24 4:30	Company	Received by:	Date/Time: 9/3/24 16:56	Company
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: 6.7 ICE

Ver: 05/06/2024

Login Sample Receipt Checklist

Client: Matrix Environmental Technologies Inc

Job Number: 480-223020-1

Login Number: 223020
List Number: 1
Creator: Stopa, Erik S

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	T CORES FROZEN 9/3 1630
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	MET
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	