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ANALYTICAL REPORT

PREPARED FOR

Attn: Nickolas Ander
Matrix Environmental Technologies Inc
3730 California Road
PO BOX 427
Orchard Park, New York 14127

Generated 10/4/2023 4:18:02 PM

JOB DESCRIPTION

Project # 18-046 - Aquino Lancaster

JOB NUMBER

480-213100-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

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Authorization

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Authorized for release by
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@et.eurofinsus.com
Designee for
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 11
QC Sample Results 12
QC Association Summary 19
Lab Chronicle 21
Certification Summary 23
Method Summary 24
Sample Summary 25
Chain of Custody 26
Receipt Checklists 27

Definitions/Glossary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Qualifiers

GC/MS VOA

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.
U	Indicates the analyte was analyzed for but not detected.

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: 480-213100-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-213100-1

Receipt
The samples were received on 9/27/2023 9:00 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 3.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-685474 recovered above the upper control limit for Carbon tetrachloride and 1,1,1-Trichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EX-3 (6.1') (480-213100-3).

Method 8260C: The following sample was analyzed using medium level soil analysis due to the nature of the sample matrix: EX-1 (3.4') (480-213100-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 685588 recovered above the upper control limit for 1,4-Dioxane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EX-1 (3.4') (480-213100-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-685724 recovered above the upper control limit for 1,1,1-Trichloroethane and Carbon tetrachloride. The sample associated with this CCV was non-detect for the affected analytes; therefore, the data has been reported. The associated sample is impacted: EX-4 (6.2') (480-213100-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-685859 recovered above the upper control limit for Carbon tetrachloride. The sample(s) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EX-2 (4.6') (480-213100-2).

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
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-1 (3.4) — Lab Sample ID: 480-213100-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	110		53	7.1	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: EX-2 (4.6) — Lab Sample ID: 480-213100-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.0	J	20	3.4	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: EX-3 (6.1) — Lab Sample ID: 480-213100-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.7	J	19	3.1	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	9.0		3.7	0.47	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	6.4		3.7	0.50	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	0.86	J	3.7	0.38	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	5.4		3.7	0.82	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: EX-4 (6.2) — Lab Sample ID: 480-213100-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.3	J	21	3.6	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	22		4.3	0.54	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	8.2		4.3	0.52	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-1 (3.4)

Date Collected: 09/26/23 09:43
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-1

Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,1-Dichloroethane	53	U	53	16	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,1-Dichloroethene	53	U	53	18	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,2,4-Trimethylbenzene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,2-Dichlorobenzene	53	U	53	13	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,2-Dichloroethane	53	U	53	22	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,3,5-Trimethylbenzene	53	U	53	16	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,3-Dichlorobenzene	53	U	53	14	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,4-Dichlorobenzene	53	U	53	7.4	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
1,4-Dioxane	1000	U	1000	270	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
2-Butanone (MEK)	260	U	260	160	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Acetone	260	U	260	220	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Benzene	53	U	53	10	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Carbon tetrachloride	53	U	53	13	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Chlorobenzene	53	U	53	7.0	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Chloroform	53	U	53	36	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
cis-1,2-Dichloroethene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Ethylbenzene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Methyl tert-butyl ether	53	U	53	20	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Methylene Chloride	53	U	53	10	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
n-Butylbenzene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
N-Propylbenzene	53	U	53	14	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
sec-Butylbenzene	53	U	53	19	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
tert-Butylbenzene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Tetrachloroethene	**110**		53	7.1	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Toluene	53	U	53	14	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
trans-1,2-Dichloroethene	53	U	53	12	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Trichloroethene	53	U	53	15	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Vinyl chloride	53	U	53	18	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1
Xylenes, Total	110	U	110	29	ug/Kg	☼	09/29/23 13:10	09/29/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/29/23 13:10*	*09/29/23 17:31*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*09/29/23 13:10*	*09/29/23 17:31*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*09/29/23 13:10*	*09/29/23 17:31*	*1*
Toluene-d8 (Surr)	*105*		*50 - 149*	*09/29/23 13:10*	*09/29/23 17:31*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-2 (4.6)

Date Collected: 09/26/23 10:03
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-2

Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	0.29	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,1-Dichloroethane	4.0	U	4.0	0.49	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,1-Dichloroethene	4.0	U	4.0	0.49	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,2,4-Trimethylbenzene	4.0	U	4.0	0.77	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,2-Dichlorobenzene	4.0	U	4.0	0.31	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,2-Dichloroethane	4.0	U	4.0	0.20	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,3,5-Trimethylbenzene	4.0	U	4.0	0.26	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,3-Dichlorobenzene	4.0	U	4.0	0.21	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,4-Dichlorobenzene	4.0	U	4.0	0.56	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
1,4-Dioxane	80	U	80	17	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Acetone	**9.0**	**J**	20	3.4	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Benzene	4.0	U	4.0	0.20	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Carbon tetrachloride	4.0	U	4.0	0.39	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Chlorobenzene	4.0	U	4.0	0.53	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Chloroform	4.0	U	4.0	0.25	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
cis-1,2-Dichloroethene	4.0	U	4.0	0.51	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Ethylbenzene	4.0	U	4.0	0.28	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Methyl tert-butyl ether	4.0	U	4.0	0.39	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Methylene Chloride	4.0	U	4.0	1.8	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
n-Butylbenzene	4.0	U	4.0	0.35	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
N-Propylbenzene	4.0	U	4.0	0.32	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
sec-Butylbenzene	4.0	U	4.0	0.35	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Tetrachloroethene	4.0	U	4.0	0.54	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Toluene	4.0	U	4.0	0.30	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
trans-1,2-Dichloroethene	4.0	U	4.0	0.41	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Trichloroethene	4.0	U	4.0	0.88	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Vinyl chloride	4.0	U	4.0	0.49	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
Xylenes, Total	8.0	U	8.0	0.67	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1
tert-Butylbenzene	4.0	U	4.0	0.42	ug/Kg	☼	09/27/23 10:00	10/02/23 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 126*	*09/27/23 10:00*	*10/02/23 21:39*	*1*
4-Bromofluorobenzene (Surr)	*106*		*72 - 126*	*09/27/23 10:00*	*10/02/23 21:39*	*1*
Toluene-d8 (Surr)	*91*		*71 - 125*	*09/27/23 10:00*	*10/02/23 21:39*	*1*
Dibromofluoromethane (Surr)	*117*		*60 - 140*	*09/27/23 10:00*	*10/02/23 21:39*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-3 (6.1)

Date Collected: 09/26/23 12:11
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-3

Matrix: Solid
Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.7	U	3.7	0.27	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,1-Dichloroethane	3.7	U	3.7	0.45	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,1-Dichloroethene	3.7	U	3.7	0.45	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,2,4-Trimethylbenzene	3.7	U	3.7	0.71	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,2-Dichlorobenzene	3.7	U	3.7	0.29	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,2-Dichloroethane	3.7	U	3.7	0.19	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,3,5-Trimethylbenzene	3.7	U	3.7	0.24	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,3-Dichlorobenzene	3.7	U	3.7	0.19	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,4-Dichlorobenzene	3.7	U	3.7	0.52	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
1,4-Dioxane	74	U	74	16	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Acetone	**8.7**	**J**	19	3.1	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Benzene	3.7	U	3.7	0.18	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Carbon tetrachloride	3.7	U	3.7	0.36	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Chlorobenzene	3.7	U	3.7	0.49	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Chloroform	3.7	U	3.7	0.23	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
cis-1,2-Dichloroethene	**9.0**		3.7	0.47	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Ethylbenzene	3.7	U	3.7	0.26	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Methyl tert-butyl ether	3.7	U	3.7	0.36	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Methylene Chloride	3.7	U	3.7	1.7	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
n-Butylbenzene	3.7	U	3.7	0.32	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
N-Propylbenzene	3.7	U	3.7	0.30	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
sec-Butylbenzene	3.7	U	3.7	0.32	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Tetrachloroethene	**6.4**		3.7	0.50	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Toluene	3.7	U	3.7	0.28	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
trans-1,2-Dichloroethene	**0.86**	**J**	3.7	0.38	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Trichloroethene	**5.4**		3.7	0.82	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Vinyl chloride	3.7	U	3.7	0.45	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
Xylenes, Total	7.4	U	7.4	0.62	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1
tert-Butylbenzene	3.7	U	3.7	0.39	ug/Kg	☼	09/27/23 10:00	09/29/23 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*64 - 126*	*09/27/23 10:00*	*09/29/23 01:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*09/27/23 10:00*	*09/29/23 01:32*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*09/27/23 10:00*	*09/29/23 01:32*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 140*	*09/27/23 10:00*	*09/29/23 01:32*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-4 (6.2)

Date Collected: 09/26/23 12:33
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-4

Matrix: Solid
Percent Solids: 78.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,1-Dichloroethene	4.3	U	4.3	0.52	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,2,4-Trimethylbenzene	4.3	U	4.3	0.82	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,2-Dichlorobenzene	4.3	U	4.3	0.33	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,2-Dichloroethane	4.3	U	4.3	0.21	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,3,5-Trimethylbenzene	4.3	U	4.3	0.27	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
1,4-Dioxane	85	U	85	19	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
2-Butanone (MEK)	21	U	21	1.6	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Acetone	**8.3**	**J**	21	3.6	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Carbon tetrachloride	4.3	U	4.3	0.41	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Chlorobenzene	4.3	U	4.3	0.56	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Chloroform	4.3	U	4.3	0.26	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
cis-1,2-Dichloroethene	**22**		4.3	0.54	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Ethylbenzene	4.3	U	4.3	0.29	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
n-Butylbenzene	4.3	U	4.3	0.37	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
N-Propylbenzene	4.3	U	4.3	0.34	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
sec-Butylbenzene	4.3	U	4.3	0.37	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Tetrachloroethene	4.3	U	4.3	0.57	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Toluene	4.3	U	4.3	0.32	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Trichloroethene	4.3	U	4.3	0.94	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Vinyl chloride	**8.2**		4.3	0.52	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
Xylenes, Total	8.5	U	8.5	0.71	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1
tert-Butylbenzene	4.3	U	4.3	0.44	ug/Kg	☼	09/27/23 10:00	10/01/23 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*09/27/23 10:00*	*10/01/23 10:28*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*09/27/23 10:00*	*10/01/23 10:28*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*09/27/23 10:00*	*10/01/23 10:28*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*	*09/27/23 10:00*	*10/01/23 10:28*	*1*

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	**Client Sample ID**	**(53-146)**	**(49-148)**	**(60-140)**	**(50-149)**
480-213100-1	EX-1 (3.4)	103	95	99	105
LCS 480-685607/2-A	Lab Control Sample	107	95	107	105
MB 480-685607/1-A	Method Blank	102	99	95	106

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	**Client Sample ID**	**(64-126)**	**(72-126)**	**(60-140)**	**(71-125)**
480-213100-2	EX-2 (4.6)	113	106	117	91
480-213100-3	EX-3 (6.1)	111	100	111	93
480-213100-4	EX-4 (6.2)	109	101	109	93
LCS 480-685473/1-A	Lab Control Sample	101	104	106	95
LCS 480-685723/1-A	Lab Control Sample	103	103	109	94
LCS 480-685857/1-A	Lab Control Sample	103	105	111	93
MB 480-685473/2-A	Method Blank	105	104	107	94
MB 480-685723/2-A	Method Blank	104	106	110	92
MB 480-685857/2-A	Method Blank	107	105	112	91

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 480-685473/2-A
Matrix: Solid
Analysis Batch: 685474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,2,4-Trimethylbenzene	5.0	U	5.0	0.96	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,3,5-Trimethylbenzene	5.0	U	5.0	0.32	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,4-Dioxane	100	U	100	22	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Acetone	25	U	25	4.2	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Benzene	5.0	U	5.0	0.25	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
n-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
N-Propylbenzene	5.0	U	5.0	0.40	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
sec-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Toluene	5.0	U	5.0	0.38	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
tert-Butylbenzene	5.0	U	5.0	0.52	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Xylenes, Total	10	U	10	0.84	ug/Kg		09/28/23 16:44	09/28/23 20:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*09/28/23 16:44*	*09/28/23 20:16*	*1*
4-Bromofluorobenzene (Surr)	*104*		*72 - 126*	*09/28/23 16:44*	*09/28/23 20:16*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*09/28/23 16:44*	*09/28/23 20:16*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*09/28/23 16:44*	*09/28/23 20:16*	*1*

Lab Sample ID: LCS 480-685473/1-A
Matrix: Solid
Analysis Batch: 685474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	55.0		ug/Kg		110	77 - 121
1,1-Dichloroethane	50.0	51.4		ug/Kg		103	73 - 126
1,1-Dichloroethene	50.0	51.5		ug/Kg		103	59 - 125
1,2,4-Trimethylbenzene	50.0	41.9		ug/Kg		84	74 - 120
1,2-Dichlorobenzene	50.0	42.3		ug/Kg		85	75 - 120
1,2-Dichloroethane	50.0	52.1		ug/Kg		104	77 - 122

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

Lab Sample ID: LCS 480-685473/1-A
Matrix: Solid
Analysis Batch: 685474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	50.0	42.3		ug/Kg		85	74 - 120
1,3-Dichlorobenzene	50.0	41.6		ug/Kg		83	74 - 120
1,4-Dichlorobenzene	50.0	41.8		ug/Kg		84	73 - 120
1,4-Dioxane	1000	940		ug/Kg		94	64 - 124
2-Butanone (MEK)	250	282		ug/Kg		113	70 - 134
Acetone	250	282		ug/Kg		113	61 - 137
Benzene	50.0	50.0		ug/Kg		100	79 - 127
Carbon tetrachloride	50.0	61.3		ug/Kg		123	75 - 135
Chlorobenzene	50.0	44.2		ug/Kg		88	76 - 124
Chloroform	50.0	50.9		ug/Kg		102	80 - 120
cis-1,2-Dichloroethene	50.0	50.3		ug/Kg		101	81 - 120
Ethylbenzene	50.0	44.2		ug/Kg		88	80 - 120
Methyl tert-butyl ether	50.0	50.8		ug/Kg		102	63 - 125
Methylene Chloride	50.0	52.2		ug/Kg		104	61 - 127
n-Butylbenzene	50.0	42.6		ug/Kg		85	70 - 120
N-Propylbenzene	50.0	42.4		ug/Kg		85	70 - 130
sec-Butylbenzene	50.0	42.6		ug/Kg		85	74 - 120
Tetrachloroethene	50.0	45.0		ug/Kg		90	74 - 122
Toluene	50.0	44.5		ug/Kg		89	74 - 128
trans-1,2-Dichloroethene	50.0	52.3		ug/Kg		105	78 - 126
Trichloroethene	50.0	50.3		ug/Kg		101	77 - 129
tert-Butylbenzene	50.0	42.6		ug/Kg		85	73 - 120
Vinyl chloride	50.0	47.2		ug/Kg		94	61 - 133
Xylenes, Total	100	89.2		ug/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*
4-Bromofluorobenzene (Surr)	*104*		*72 - 126*
Toluene-d8 (Surr)	*95*		*71 - 125*
Dibromofluoromethane (Surr)	*106*		*60 - 140*

Lab Sample ID: MB 480-685607/1-A
Matrix: Solid
Analysis Batch: 685588

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,2,4-Trimethylbenzene	100	U	100	28	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,3,5-Trimethylbenzene	100	U	100	30	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,4-Dioxane	1900	U	1900	510	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
2-Butanone (MEK)	500	U	500	300	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Acetone	500	U	500	410	ug/Kg		09/29/23 13:10	09/29/23 16:55	1

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

Lab Sample ID: MB 480-685607/1-A
Matrix: Solid
Analysis Batch: 685588

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	100	U	100	19	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Carbon tetrachloride	100	U	100	26	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Chlorobenzene	100	U	100	13	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Chloroform	100	U	100	69	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Ethylbenzene	100	U	100	29	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Methylene Chloride	100	U	100	20	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
n-Butylbenzene	100	U	100	29	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
N-Propylbenzene	100	U	100	26	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
sec-Butylbenzene	100	U	100	37	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Tetrachloroethene	100	U	100	13	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Toluene	100	U	100	27	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Trichloroethene	100	U	100	28	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
tert-Butylbenzene	100	U	100	28	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Vinyl chloride	100	U	100	34	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Xylenes, Total	200	U	200	55	ug/Kg		09/29/23 13:10	09/29/23 16:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/29/23 13:10*	*09/29/23 16:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*09/29/23 13:10*	*09/29/23 16:55*	*1*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/29/23 13:10*	*09/29/23 16:55*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*09/29/23 13:10*	*09/29/23 16:55*	*1*

Lab Sample ID: LCS 480-685607/2-A
Matrix: Solid
Analysis Batch: 685588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2260		ug/Kg		90	68 - 130
1,1-Dichloroethane	2500	2250		ug/Kg		90	78 - 121
1,1-Dichloroethene	2500	2100		ug/Kg		84	48 - 133
1,2,4-Trimethylbenzene	2500	2390		ug/Kg		96	77 - 127
1,2-Dichlorobenzene	2500	2300		ug/Kg		92	78 - 125
1,2-Dichloroethane	2500	2280		ug/Kg		91	74 - 127
1,3,5-Trimethylbenzene	2500	2460		ug/Kg		98	79 - 120
1,3-Dichlorobenzene	2500	2320		ug/Kg		93	80 - 120
1,4-Dichlorobenzene	2500	2250		ug/Kg		90	80 - 120
1,4-Dioxane	50000	62500		ug/Kg		125	40 - 150
2-Butanone (MEK)	12500	11700		ug/Kg		94	54 - 149
Acetone	12500	13300		ug/Kg		107	47 - 141
Benzene	2500	2260		ug/Kg		90	77 - 125
Carbon tetrachloride	2500	2110		ug/Kg		84	54 - 135
Chlorobenzene	2500	2220		ug/Kg		89	76 - 126
Chloroform	2500	2210		ug/Kg		88	78 - 120
cis-1,2-Dichloroethene	2500	2240		ug/Kg		89	79 - 124
Ethylbenzene	2500	2270		ug/Kg		91	78 - 124

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

Lab Sample ID: LCS 480-685607/2-A
Matrix: Solid
Analysis Batch: 685588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	2500	2080		ug/Kg		83	67 - 137
Methylene Chloride	2500	2220		ug/Kg		89	75 - 118
n-Butylbenzene	2500	2470		ug/Kg		99	80 - 120
N-Propylbenzene	2500	2440		ug/Kg		98	76 - 120
sec-Butylbenzene	2500	2470		ug/Kg		99	79 - 120
Tetrachloroethene	2500	2250		ug/Kg		90	73 - 133
Toluene	2500	2260		ug/Kg		90	75 - 124
trans-1,2-Dichloroethene	2500	2140		ug/Kg		85	74 - 129
Trichloroethene	2500	2240		ug/Kg		90	75 - 131
tert-Butylbenzene	2500	2520		ug/Kg		101	78 - 120
Vinyl chloride	2500	2760		ug/Kg		110	59 - 124
Xylenes, Total	5000	4560		ug/Kg		91	78 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*
Toluene-d8 (Surr)	*105*		*50 - 149*
Dibromofluoromethane (Surr)	*107*		*60 - 140*

Lab Sample ID: MB 480-685723/2-A
Matrix: Solid
Analysis Batch: 685724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,2,4-Trimethylbenzene	5.0	U	5.0	0.96	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,3,5-Trimethylbenzene	5.0	U	5.0	0.32	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
1,4-Dioxane	100	U	100	22	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Acetone	25	U	25	4.2	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Benzene	5.0	U	5.0	0.25	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
n-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
N-Propylbenzene	5.0	U	5.0	0.40	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
sec-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		10/01/23 06:23	10/01/23 10:04	1

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

Lab Sample ID: MB 480-685723/2-A
Matrix: Solid
Analysis Batch: 685724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.38	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
tert-Butylbenzene	5.0	U	5.0	0.52	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		10/01/23 06:23	10/01/23 10:04	1
Xylenes, Total	10	U	10	0.84	ug/Kg		10/01/23 06:23	10/01/23 10:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*10/01/23 06:23*	*10/01/23 10:04*	*1*
4-Bromofluorobenzene (Surr)	*106*		*72 - 126*	*10/01/23 06:23*	*10/01/23 10:04*	*1*
Toluene-d8 (Surr)	*92*		*71 - 125*	*10/01/23 06:23*	*10/01/23 10:04*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*	*10/01/23 06:23*	*10/01/23 10:04*	*1*

Lab Sample ID: LCS 480-685723/1-A
Matrix: Solid
Analysis Batch: 685724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	56.5		ug/Kg		113	77 - 121
1,1-Dichloroethane	50.0	52.4		ug/Kg		105	73 - 126
1,1-Dichloroethene	50.0	53.0		ug/Kg		106	59 - 125
1,2,4-Trimethylbenzene	50.0	42.8		ug/Kg		86	74 - 120
1,2-Dichlorobenzene	50.0	42.2		ug/Kg		84	75 - 120
1,2-Dichloroethane	50.0	53.5		ug/Kg		107	77 - 122
1,3,5-Trimethylbenzene	50.0	43.1		ug/Kg		86	74 - 120
1,3-Dichlorobenzene	50.0	42.3		ug/Kg		85	74 - 120
1,4-Dichlorobenzene	50.0	41.9		ug/Kg		84	73 - 120
1,4-Dioxane	1000	1030		ug/Kg		103	64 - 124
2-Butanone (MEK)	250	282		ug/Kg		113	70 - 134
Acetone	250	286		ug/Kg		114	61 - 137
Benzene	50.0	51.9		ug/Kg		104	79 - 127
Carbon tetrachloride	50.0	62.6		ug/Kg		125	75 - 135
Chlorobenzene	50.0	44.8		ug/Kg		90	76 - 124
Chloroform	50.0	53.0		ug/Kg		106	80 - 120
cis-1,2-Dichloroethene	50.0	52.5		ug/Kg		105	81 - 120
Ethylbenzene	50.0	44.6		ug/Kg		89	80 - 120
Methyl tert-butyl ether	50.0	50.9		ug/Kg		102	63 - 125
Methylene Chloride	50.0	54.5		ug/Kg		109	61 - 127
n-Butylbenzene	50.0	43.1		ug/Kg		86	70 - 120
N-Propylbenzene	50.0	42.8		ug/Kg		86	70 - 130
sec-Butylbenzene	50.0	42.9		ug/Kg		86	74 - 120
Tetrachloroethene	50.0	45.2		ug/Kg		90	74 - 122
Toluene	50.0	44.5		ug/Kg		89	74 - 128
trans-1,2-Dichloroethene	50.0	53.9		ug/Kg		108	78 - 126
Trichloroethene	50.0	51.9		ug/Kg		104	77 - 129
tert-Butylbenzene	50.0	42.7		ug/Kg		85	73 - 120
Vinyl chloride	50.0	51.5		ug/Kg		103	61 - 133
Xylenes, Total	100	89.5		ug/Kg		90	70 - 130

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

Lab Sample ID: LCS 480-685723/1-A
Matrix: Solid
Analysis Batch: 685724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685723

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	103		72 - 126
Toluene-d8 (Surr)	94		71 - 125
Dibromofluoromethane (Surr)	109		60 - 140

Lab Sample ID: MB 480-685857/2-A
Matrix: Solid
Analysis Batch: 685859

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 685857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,2,4-Trimethylbenzene	5.0	U	5.0	0.96	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,3,5-Trimethylbenzene	5.0	U	5.0	0.32	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
1,4-Dioxane	100	U	100	22	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Acetone	25	U	25	4.2	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Benzene	5.0	U	5.0	0.25	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
n-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
N-Propylbenzene	5.0	U	5.0	0.40	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
sec-Butylbenzene	5.0	U	5.0	0.44	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Toluene	5.0	U	5.0	0.38	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
tert-Butylbenzene	5.0	U	5.0	0.52	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		10/02/23 17:48	10/02/23 21:06	1
Xylenes, Total	10	U	10	0.84	ug/Kg		10/02/23 17:48	10/02/23 21:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	10/02/23 17:48	10/02/23 21:06	1
4-Bromofluorobenzene (Surr)	105		72 - 126	10/02/23 17:48	10/02/23 21:06	1
Toluene-d8 (Surr)	91		71 - 125	10/02/23 17:48	10/02/23 21:06	1
Dibromofluoromethane (Surr)	112		60 - 140	10/02/23 17:48	10/02/23 21:06	1

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

Lab Sample ID: LCS 480-685857/1-A
Matrix: Solid
Analysis Batch: 685859

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 685857

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	54.7		ug/Kg		109	77 - 121
1,1-Dichloroethane	50.0	50.6		ug/Kg		101	73 - 126
1,1-Dichloroethene	50.0	48.4		ug/Kg		97	59 - 125
1,2,4-Trimethylbenzene	50.0	39.7		ug/Kg		79	74 - 120
1,2-Dichlorobenzene	50.0	40.1		ug/Kg		80	75 - 120
1,2-Dichloroethane	50.0	51.2		ug/Kg		102	77 - 122
1,3,5-Trimethylbenzene	50.0	40.1		ug/Kg		80	74 - 120
1,3-Dichlorobenzene	50.0	39.7		ug/Kg		79	74 - 120
1,4-Dichlorobenzene	50.0	39.0		ug/Kg		78	73 - 120
1,4-Dioxane	1000	929		ug/Kg		93	64 - 124
2-Butanone (MEK)	250	271		ug/Kg		108	70 - 134
Acetone	250	275		ug/Kg		110	61 - 137
Benzene	50.0	49.4		ug/Kg		99	79 - 127
Carbon tetrachloride	50.0	60.5		ug/Kg		121	75 - 135
Chlorobenzene	50.0	42.5		ug/Kg		85	76 - 124
Chloroform	50.0	50.9		ug/Kg		102	80 - 120
cis-1,2-Dichloroethene	50.0	49.5		ug/Kg		99	81 - 120
Ethylbenzene	50.0	42.3		ug/Kg		85	80 - 120
Methyl tert-butyl ether	50.0	50.2		ug/Kg		100	63 - 125
Methylene Chloride	50.0	52.9		ug/Kg		106	61 - 127
n-Butylbenzene	50.0	39.7		ug/Kg		79	70 - 120
N-Propylbenzene	50.0	39.8		ug/Kg		80	70 - 130
sec-Butylbenzene	50.0	39.6		ug/Kg		79	74 - 120
Tetrachloroethene	50.0	42.7		ug/Kg		85	74 - 122
Toluene	50.0	42.3		ug/Kg		85	74 - 128
trans-1,2-Dichloroethene	50.0	51.6		ug/Kg		103	78 - 126
Trichloroethene	50.0	49.7		ug/Kg		99	77 - 129
tert-Butylbenzene	50.0	40.2		ug/Kg		80	73 - 120
Vinyl chloride	50.0	50.3		ug/Kg		101	61 - 133
Xylenes, Total	100	84.2		ug/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*
4-Bromofluorobenzene (Surr)	*105*		*72 - 126*
Toluene-d8 (Surr)	*93*		*71 - 125*
Dibromofluoromethane (Surr)	*111*		*60 - 140*

QC Association Summary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

GC/MS VOA

Prep Batch: 685473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-3	EX-3 (6.1)	Total/NA	Solid	5035A_L	
MB 480-685473/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-685473/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 685474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-3	EX-3 (6.1)	Total/NA	Solid	8260C	685473
MB 480-685473/2-A	Method Blank	Total/NA	Solid	8260C	685473
LCS 480-685473/1-A	Lab Control Sample	Total/NA	Solid	8260C	685473

Analysis Batch: 685588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-1	EX-1 (3.4)	Total/NA	Solid	8260C	685607
MB 480-685607/1-A	Method Blank	Total/NA	Solid	8260C	685607
LCS 480-685607/2-A	Lab Control Sample	Total/NA	Solid	8260C	685607

Prep Batch: 685607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-1	EX-1 (3.4)	Total/NA	Solid	5035A_H	
MB 480-685607/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-685607/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Prep Batch: 685723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-4	EX-4 (6.2)	Total/NA	Solid	5035A_L	
MB 480-685723/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-685723/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 685724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-4	EX-4 (6.2)	Total/NA	Solid	8260C	685723
MB 480-685723/2-A	Method Blank	Total/NA	Solid	8260C	685723
LCS 480-685723/1-A	Lab Control Sample	Total/NA	Solid	8260C	685723

Prep Batch: 685857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-2	EX-2 (4.6)	Total/NA	Solid	5035A_L	
MB 480-685857/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-685857/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 685859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-2	EX-2 (4.6)	Total/NA	Solid	8260C	685857
MB 480-685857/2-A	Method Blank	Total/NA	Solid	8260C	685857
LCS 480-685857/1-A	Lab Control Sample	Total/NA	Solid	8260C	685857

General Chemistry

Analysis Batch: 685265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-1	EX-1 (3.4)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 685265 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213100-2	EX-2 (4.6)	Total/NA	Solid	Moisture	
480-213100-3	EX-3 (6.1)	Total/NA	Solid	Moisture	
480-213100-4	EX-4 (6.2)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-1 (3.4)
Lab Sample ID: 480-213100-1
Date Collected: 09/26/23 09:43
Matrix: Solid
Date Received: 09/27/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	685265	JMM	EET BUF	09/27/23 15:09

Client Sample ID: EX-1 (3.4)
Lab Sample ID: 480-213100-1
Date Collected: 09/26/23 09:43
Matrix: Solid
Date Received: 09/27/23 09:00
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			685607	ATG	EET BUF	09/29/23 13:10
Total/NA	Analysis	8260C		1	685588	ATG	EET BUF	09/29/23 17:31

Client Sample ID: EX-2 (4.6)
Lab Sample ID: 480-213100-2
Date Collected: 09/26/23 10:03
Matrix: Solid
Date Received: 09/27/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	685265	JMM	EET BUF	09/27/23 15:09

Client Sample ID: EX-2 (4.6)
Lab Sample ID: 480-213100-2
Date Collected: 09/26/23 10:03
Matrix: Solid
Date Received: 09/27/23 09:00
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			685857	CDC	EET BUF	09/27/23 10:00
Total/NA	Analysis	8260C		1	685859	CDC	EET BUF	10/02/23 21:39

Client Sample ID: EX-3 (6.1)
Lab Sample ID: 480-213100-3
Date Collected: 09/26/23 12:11
Matrix: Solid
Date Received: 09/27/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	685265	JMM	EET BUF	09/27/23 15:09

Client Sample ID: EX-3 (6.1)
Lab Sample ID: 480-213100-3
Date Collected: 09/26/23 12:11
Matrix: Solid
Date Received: 09/27/23 09:00
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			685473	CDC	EET BUF	09/27/23 10:00
Total/NA	Analysis	8260C		1	685474	LCH	EET BUF	09/29/23 01:32

Client Sample ID: EX-4 (6.2)
Lab Sample ID: 480-213100-4
Date Collected: 09/26/23 12:33
Matrix: Solid
Date Received: 09/27/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	685265	JMM	EET BUF	09/27/23 15:09

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Aquino Lancaster

Job ID: 480-213100-1

Client Sample ID: EX-4 (6.2)

Date Collected: 09/26/23 12:33
Date Received: 09/27/23 09:00

Lab Sample ID: 480-213100-4

Matrix: Solid
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			685723	CDC	EET BUF	09/27/23 10:00
Total/NA	Analysis	8260C		1	685724	CDC	EET BUF	10/01/23 10:28

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: 480-213100-1
Project/Site: Project # 18-046 - Aquino Lancaster

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	03-31-24

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 - Aquino Lancaster

Job ID: 480-213100-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
Moisture	Percent Moisture	EPA	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 - Aquino Lancaster

Job ID: 480-213100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-213100-1	EX-1 (3.4)	Solid	09/26/23 09:43	09/27/23 09:00
480-213100-2	EX-2 (4.6)	Solid	09/26/23 10:03	09/27/23 09:00
480-213100-3	EX-3 (6.1)	Solid	09/26/23 12:11	09/27/23 09:00
480-213100-4	EX-4 (6.2)	Solid	09/26/23 12:33	09/27/23 09:00

Address: Eurofins Buffalo
10 Hazelwood Drive.
Amherst, N.Y. 14228

Chain of Custody Record

599587 eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: NYSDEC Brownfield

TAL-8210

Client Contact	Project Manager: Christine Curtis	Site Contact: Steve Maychelli	Date: 9-26-23	COC No:
Company Name: Matrix Environmental	Tel/Email: ccurtise matrixbiotech.com	Lab Contact: John Schove	Carrier:	____ of ____ COCs
Address: PO Box 427	Analysis Turnaround Time			Sampler: Craig D. Zikel
City/State/Zip: Orchard Park, NY 14127	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 716-662-0745	TAT if different from Below			Walk-in Client:
Fax:	☒ 2 weeks Standard			Lab Sampling:
Project Name: Aquino Lancaster 18-046	☐ 1 week			
Site: 65-67 Lake Ave, Lancaster, N.Y.	☐ 2 days			Job / SDG No.:
P O # 18-046	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260C - TCL VOCs	Sample Specific Notes:
EX-1 (3.8')	9-26-23	9:43	G	Soil	4			✓	
EX-2 (4.6')	9-26-23	10:03	G	Soil	4			✓	
EX-3 (6.1')	9-26-23	12:11	G	Soil	4			✓	
EX-4 (6.2')	9-26-23	12:33	G	Soil	4			✓	

480-213100 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.3 ICE

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Matrix	9-26-23 3:48 pm	[signature]	TAB	9-27-23 900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

10/4/2023

Login Sample Receipt Checklist

Client: Matrix Environmental Technologies Inc

Job Number: 480-213100-1

Login Number: 213100
List Number: 1
Creator: Wallace, Cameron

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	FREEZE TIME 9/27/23 1000
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	
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	