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ANALYTICAL REPORT

PREPARED FOR

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Generated 10/3/2023 5:02:08 PM

JOB DESCRIPTION

Project # 18-046 - Aquino Lancaster

JOB NUMBER

480-213134-1

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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Definitions/Glossary

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

Job ID: 480-213134-1

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: 480-213134-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-213134-1

Receipt
The samples were received on 9/28/2023 3:30 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 was 11.2º 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, Cyclohexane, 1,1,1-Trichloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EX-5 (4.1) (480-213134-1).

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: EX-6 (6.2) (480-213134-2). Elevated reporting limits (RLs) are provided.

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

Detection Summary

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

Job ID: 480-213134-1

Client Sample ID: EX-5 (4.1) — Lab Sample ID: 480-213134-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.4	J	19	3.2	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	4.1		3.8	0.51	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: EX-6 (6.2) — Lab Sample ID: 480-213134-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16000		6200	1700	ug/Kg	100	☼	8260C	Total/NA
Tetrachloroethene	370000		6200	830	ug/Kg	100	☼	8260C	Total/NA
Trichloroethene	46000		6200	1700	ug/Kg	100	☼	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: 480-213134-1

Client Sample ID: EX-5 (4.1)

Date Collected: 09/27/23 09:33
Date Received: 09/28/23 15:30

Lab Sample ID: 480-213134-1

Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.8	U	3.8	0.28	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,1,2,2-Tetrachloroethane	3.8	U	3.8	0.62	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8	U	3.8	0.87	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,1,2-Trichloroethane	3.8	U	3.8	0.49	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,1-Dichloroethane	3.8	U	3.8	0.46	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,1-Dichloroethene	3.8	U	3.8	0.46	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,2,4-Trichlorobenzene	3.8	U	3.8	0.23	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,2-Dibromo-3-Chloropropane	3.8	U	3.8	1.9	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,2-Dibromoethane	3.8	U	3.8	0.49	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,2-Dichlorobenzene	3.8	U	3.8	0.30	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,2-Dichloroethane	3.8	U	3.8	0.19	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,2-Dichloropropane	3.8	U	3.8	1.9	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,3-Dichlorobenzene	3.8	U	3.8	0.20	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
1,4-Dichlorobenzene	3.8	U	3.8	0.53	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
2-Hexanone	19	U	19	1.9	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
4-Methyl-2-pentanone (MIBK)	19	U	19	1.2	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Acetone	**9.4**	**J**	19	3.2	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Benzene	3.8	U	3.8	0.19	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Bromodichloromethane	3.8	U	3.8	0.51	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Bromoform	3.8	U	3.8	1.9	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Bromomethane	3.8	U	3.8	0.34	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Carbon disulfide	3.8	U	3.8	1.9	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Carbon tetrachloride	3.8	U	3.8	0.37	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Chlorobenzene	3.8	U	3.8	0.50	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Chloroethane	3.8	U	3.8	0.86	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Chloroform	3.8	U	3.8	0.23	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Chloromethane	3.8	U	3.8	0.23	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
cis-1,2-Dichloroethene	3.8	U	3.8	0.49	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
cis-1,3-Dichloropropene	3.8	U	3.8	0.55	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Cyclohexane	3.8	U	3.8	0.53	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Dibromochloromethane	3.8	U	3.8	0.49	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Dichlorodifluoromethane	3.8	U	3.8	0.31	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Ethylbenzene	3.8	U	3.8	0.26	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Isopropylbenzene	3.8	U	3.8	0.57	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Methyl acetate	19	U	19	2.3	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Methyl tert-butyl ether	3.8	U	3.8	0.37	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Methylcyclohexane	3.8	U	3.8	0.58	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Methylene Chloride	3.8	U	3.8	1.7	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Styrene	3.8	U	3.8	0.19	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Tetrachloroethene	**4.1**		3.8	0.51	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Toluene	3.8	U	3.8	0.29	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
trans-1,2-Dichloroethene	3.8	U	3.8	0.39	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
trans-1,3-Dichloropropene	3.8	U	3.8	1.7	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Trichloroethene	3.8	U	3.8	0.84	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Trichlorofluoromethane	3.8	U	3.8	0.36	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Vinyl chloride	3.8	U	3.8	0.46	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1
Xylenes, Total	7.6	U	7.6	0.64	ug/Kg	☼	09/28/23 16:30	09/29/23 04:22	1

Client Sample Results

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

Job ID: 480-213134-1

Client Sample ID: EX-5 (4.1)

Date Collected: 09/27/23 09:33
Date Received: 09/28/23 15:30

Lab Sample ID: 480-213134-1

Matrix: Solid
Percent Solids: 85.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		64 - 126	09/28/23 16:30	09/29/23 04:22	1
4-Bromofluorobenzene (Surr)	104		72 - 126	09/28/23 16:30	09/29/23 04:22	1
Dibromofluoromethane (Surr)	112		60 - 140	09/28/23 16:30	09/29/23 04:22	1
Toluene-d8 (Surr)	93		71 - 125	09/28/23 16:30	09/29/23 04:22	1

Client Sample Results

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

Job ID: 480-213134-1

Client Sample ID: EX-6 (6.2)

Date Collected: 09/27/23 10:16
Date Received: 09/28/23 15:30

Lab Sample ID: 480-213134-2

Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6200	U	6200	1700	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,1,2,2-Tetrachloroethane	6200	U	6200	1000	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,1,2-Trichloro-1,2,2-trifluoroethane	6200	U	6200	3100	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,1,2-Trichloroethane	6200	U	6200	1300	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,1-Dichloroethane	6200	U	6200	1900	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,1-Dichloroethene	6200	U	6200	2100	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,2,4-Trichlorobenzene	6200	U	6200	2300	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,2-Dibromo-3-Chloropropane	6200	U	6200	3100	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,2-Dibromoethane	6200	U	6200	1100	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,2-Dichlorobenzene	6200	U	6200	1600	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,2-Dichloroethane	6200	U	6200	2500	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,2-Dichloropropane	6200	U	6200	1000	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,3-Dichlorobenzene	6200	U	6200	1600	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
1,4-Dichlorobenzene	6200	U	6200	860	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
2-Butanone (MEK)	31000	U	31000	18000	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
2-Hexanone	31000	U	31000	13000	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
4-Methyl-2-pentanone (MIBK)	31000	U	31000	2000	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Acetone	31000	U	31000	25000	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Benzene	6200	U	6200	1200	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Bromodichloromethane	6200	U	6200	1200	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Bromoform	6200	U	6200	3100	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Bromomethane	6200	U	6200	1400	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Carbon disulfide	6200	U	6200	2800	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Carbon tetrachloride	6200	U	6200	1600	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Chlorobenzene	6200	U	6200	810	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Chloroethane	6200	U	6200	1300	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Chloroform	6200	U	6200	4200	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Chloromethane	6200	U	6200	1500	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
cis-1,2-Dichloroethene	**16000**		6200	1700	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
cis-1,3-Dichloropropene	6200	U	6200	1500	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Cyclohexane	6200	U	6200	1400	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Dibromochloromethane	6200	U	6200	3000	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Dichlorodifluoromethane	6200	U	6200	2700	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Ethylbenzene	6200	U	6200	1800	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Isopropylbenzene	6200	U	6200	930	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Methyl acetate	31000	U	31000	2900	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Methyl tert-butyl ether	6200	U	6200	2300	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Methylcyclohexane	6200	U	6200	2900	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Methylene Chloride	6200	U	6200	1200	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Styrene	6200	U	6200	1500	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Tetrachloroethene	**370000**		6200	830	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Toluene	6200	U	6200	1700	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
trans-1,2-Dichloroethene	6200	U	6200	1500	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
trans-1,3-Dichloropropene	6200	U	6200	610	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Trichloroethene	**46000**		6200	1700	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Trichlorofluoromethane	6200	U	6200	2900	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Vinyl chloride	6200	U	6200	2100	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100
Xylenes, Total	12000	U	12000	3400	ug/Kg	☼	09/29/23 13:10	09/29/23 19:05	100

Client Sample Results

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

Job ID: 480-213134-1

Client Sample ID: EX-6 (6.2)

Date Collected: 09/27/23 10:16
Date Received: 09/28/23 15:30

Lab Sample ID: 480-213134-2

Matrix: Solid
Percent Solids: 80.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	09/29/23 13:10	09/29/23 19:05	100
4-Bromofluorobenzene (Surr)	100		49 - 148	09/29/23 13:10	09/29/23 19:05	100
Dibromofluoromethane (Surr)	102		60 - 140	09/29/23 13:10	09/29/23 19:05	100
Toluene-d8 (Surr)	106		50 - 149	09/29/23 13:10	09/29/23 19:05	100

Surrogate Summary

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

Job ID: 480-213134-1

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**	**(64-126)**	**(72-126)**	**(60-140)**	**(71-125)**
480-213134-1	EX-5 (4.1)	111	104	112	93
LCS 480-685473/1-A	Lab Control Sample	101	104	106	95
MB 480-685473/2-A	Method Blank	105	104	107	94

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**	**(53-146)**	**(49-148)**	**(60-140)**	**(50-149)**
480-213134-2	EX-6 (6.2)	105	100	102	106
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

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
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	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-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
1,2-Dibromoethane	5.0	U	5.0	0.64	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
1,2-Dichloropropane	5.0	U	5.0	2.5	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
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
2-Hexanone	25	U	25	2.5	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	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
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Carbon disulfide	5.0	U	5.0	2.5	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
Chloroethane	5.0	U	5.0	1.1	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
Chloromethane	5.0	U	5.0	0.30	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
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	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
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		09/28/23 16:44	09/28/23 20:16	1
Methyl acetate	25	U	25	3.0	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
Methylcyclohexane	5.0	U	5.0	0.76	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
Styrene	5.0	U	5.0	0.25	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
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	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
Trichlorofluoromethane	5.0	U	5.0	0.47	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

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

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

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*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*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*

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
1,1,2,2-Tetrachloroethane	50.0	44.7		ug/Kg		89	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	51.7		ug/Kg		103	60 - 140
1,1,2-Trichloroethane	50.0	45.9		ug/Kg		92	78 - 122
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-Trichlorobenzene	50.0	42.9		ug/Kg		86	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	50.8		ug/Kg		102	63 - 124
1,2-Dibromoethane	50.0	46.7		ug/Kg		93	78 - 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
1,2-Dichloropropane	50.0	51.0		ug/Kg		102	75 - 124
1,3-Dichlorobenzene	50.0	41.6		ug/Kg		83	74 - 120
1,4-Dichlorobenzene	50.0	41.8		ug/Kg		84	73 - 120
2-Butanone (MEK)	250	282		ug/Kg		113	70 - 134
2-Hexanone	250	247		ug/Kg		99	59 - 130
4-Methyl-2-pentanone (MIBK)	250	245		ug/Kg		98	65 - 133
Acetone	250	282		ug/Kg		113	61 - 137
Benzene	50.0	50.0		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	56.8		ug/Kg		114	80 - 122
Bromoform	50.0	58.0		ug/Kg		116	68 - 126
Bromomethane	50.0	48.2		ug/Kg		96	37 - 149
Carbon disulfide	50.0	51.1		ug/Kg		102	64 - 131
Carbon tetrachloride	50.0	61.3		ug/Kg		123	75 - 135
Chlorobenzene	50.0	44.2		ug/Kg		88	76 - 124
Chloroethane	50.0	52.5		ug/Kg		105	69 - 135
Chloroform	50.0	50.9		ug/Kg		102	80 - 120
Chloromethane	50.0	45.3		ug/Kg		91	63 - 127
cis-1,2-Dichloroethene	50.0	50.3		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	52.5		ug/Kg		105	80 - 120
Cyclohexane	50.0	51.8		ug/Kg		104	65 - 120
Dibromochloromethane	50.0	54.0		ug/Kg		108	76 - 125
Dichlorodifluoromethane	50.0	42.1		ug/Kg		84	57 - 142
Ethylbenzene	50.0	44.2		ug/Kg		88	80 - 120
Isopropylbenzene	50.0	42.2		ug/Kg		84	72 - 120
Methyl acetate	100	111		ug/Kg		111	55 - 136
Methyl tert-butyl ether	50.0	50.8		ug/Kg		102	63 - 125
Methylcyclohexane	50.0	51.4		ug/Kg		103	60 - 140

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
Methylene Chloride	50.0	52.2		ug/Kg		104	61 - 127
Styrene	50.0	44.1		ug/Kg		88	80 - 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
trans-1,3-Dichloropropene	50.0	47.2		ug/Kg		94	73 - 123
Trichloroethene	50.0	50.3		ug/Kg		101	77 - 129
Trichlorofluoromethane	50.0	51.8		ug/Kg		104	65 - 146
Vinyl chloride	50.0	47.2		ug/Kg		94	61 - 133

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

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
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,1,2-Trichloroethane	100	U	100	21	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-Trichlorobenzene	100	U	100	38	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
1,2-Dibromoethane	100	U	100	18	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
1,2-Dichloropropane	100	U	100	16	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
2-Butanone (MEK)	500	U	500	300	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
2-Hexanone	500	U	500	210	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	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
Benzene	100	U	100	19	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Bromodichloromethane	100	U	100	20	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Bromoform	100	U	100	50	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Bromomethane	100	U	100	22	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Carbon disulfide	100	U	100	46	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
Chloroethane	100	U	100	21	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

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
Chloromethane	100	U	100	24	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
cis-1,3-Dichloropropene	100	U	100	24	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Cyclohexane	100	U	100	22	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Dibromochloromethane	100	U	100	48	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Dichlorodifluoromethane	100	U	100	44	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
Isopropylbenzene	100	U	100	15	ug/Kg		09/29/23 13:10	09/29/23 16:55	1
Methyl acetate	500	U	500	48	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
Methylcyclohexane	100	U	100	47	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
Styrene	100	U	100	24	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
trans-1,3-Dichloropropene	100	U	100	9.8	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
Trichlorofluoromethane	100	U	100	47	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*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*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*

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
1,1,2,2-Tetrachloroethane	2500	2230		ug/Kg		89	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	2500	2170		ug/Kg		87	10 - 179
1,1,2-Trichloroethane	2500	2220		ug/Kg		89	80 - 120
1,1-Dichloroethane	2500	2250		ug/Kg		90	78 - 121
1,1-Dichloroethene	2500	2100		ug/Kg		84	48 - 133
1,2,4-Trichlorobenzene	2500	2210		ug/Kg		89	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2190		ug/Kg		88	56 - 122
1,2-Dibromoethane	2500	2160		ug/Kg		86	80 - 120
1,2-Dichlorobenzene	2500	2300		ug/Kg		92	78 - 125
1,2-Dichloroethane	2500	2280		ug/Kg		91	74 - 127
1,2-Dichloropropane	2500	2270		ug/Kg		91	80 - 120
1,3-Dichlorobenzene	2500	2320		ug/Kg		93	80 - 120
1,4-Dichlorobenzene	2500	2250		ug/Kg		90	80 - 120
2-Butanone (MEK)	12500	11700		ug/Kg		94	54 - 149

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
2-Hexanone	12500	10900		ug/Kg		87	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	10800		ug/Kg		86	74 - 120
Acetone	12500	13300		ug/Kg		107	47 - 141
Benzene	2500	2260		ug/Kg		90	77 - 125
Bromodichloromethane	2500	2330		ug/Kg		93	71 - 121
Bromoform	2500	1990		ug/Kg		80	48 - 125
Bromomethane	2500	1920		ug/Kg		77	39 - 149
Carbon disulfide	2500	2050		ug/Kg		82	40 - 136
Carbon tetrachloride	2500	2110		ug/Kg		84	54 - 135
Chlorobenzene	2500	2220		ug/Kg		89	76 - 126
Chloroethane	2500	1980		ug/Kg		79	23 - 150
Chloroform	2500	2210		ug/Kg		88	78 - 120
Chloromethane	2500	2680		ug/Kg		107	61 - 124
cis-1,2-Dichloroethene	2500	2240		ug/Kg		89	79 - 124
cis-1,3-Dichloropropene	2500	2180		ug/Kg		87	75 - 121
Cyclohexane	2500	2330		ug/Kg		93	49 - 129
Dibromochloromethane	2500	2200		ug/Kg		88	64 - 120
Dichlorodifluoromethane	2500	2420		ug/Kg		97	10 - 150
Ethylbenzene	2500	2270		ug/Kg		91	78 - 124
Isopropylbenzene	2500	2470		ug/Kg		99	76 - 120
Methyl acetate	5000	4470		ug/Kg		89	71 - 123
Methyl tert-butyl ether	2500	2080		ug/Kg		83	67 - 137
Methylcyclohexane	2500	2310		ug/Kg		93	50 - 130
Methylene Chloride	2500	2220		ug/Kg		89	75 - 118
Styrene	2500	2220		ug/Kg		89	80 - 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
trans-1,3-Dichloropropene	2500	2160		ug/Kg		86	73 - 120
Trichloroethene	2500	2240		ug/Kg		90	75 - 131
Trichlorofluoromethane	2500	2440		ug/Kg		98	29 - 158
Vinyl chloride	2500	2760		ug/Kg		110	59 - 124

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

QC Association Summary

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

Job ID: 480-213134-1

GC/MS VOA

Prep Batch: 685473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213134-1	EX-5 (4.1)	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
480-213134-1	EX-5 (4.1)	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
480-213134-2	EX-6 (6.2)	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
480-213134-2	EX-6 (6.2)	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	

General Chemistry

Analysis Batch: 685447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-213134-1	EX-5 (4.1)	Total/NA	Solid	Moisture	
480-213134-2	EX-6 (6.2)	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 480-213134-1

Client Sample ID: EX-5 (4.1)
Date Collected: 09/27/23 09:33
Date Received: 09/28/23 15:30

Lab Sample ID: 480-213134-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	685447	AF	EET BUF	09/28/23 15:39

Client Sample ID: EX-5 (4.1)
Date Collected: 09/27/23 09:33
Date Received: 09/28/23 15:30

Lab Sample ID: 480-213134-1
Matrix: Solid
Percent Solids: 85.5

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	09/28/23 16:30
Total/NA	Analysis	8260C		1	685474	LCH	EET BUF	09/29/23 04:22

Client Sample ID: EX-6 (6.2)
Date Collected: 09/27/23 10:16
Date Received: 09/28/23 15:30

Lab Sample ID: 480-213134-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	685447	AF	EET BUF	09/28/23 15:39

Client Sample ID: EX-6 (6.2)
Date Collected: 09/27/23 10:16
Date Received: 09/28/23 15:30

Lab Sample ID: 480-213134-2
Matrix: Solid
Percent Solids: 80.1

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		100	685588	ATG	EET BUF	09/29/23 19:05

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

Job ID: 480-213134-1

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: 480-213134-1

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: 480-213134-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-213134-1	EX-5 (4.1)	Solid	09/27/23 09:33	09/28/23 15:30
480-213134-2	EX-6 (6.2)	Solid	09/27/23 10:16	09/28/23 15:30

Chain of Custody Record

599588

eurofins | Environment Testing TestAmerica

Address: Eurofins Buffalo
10 Hazelwood Dr.
Amherst, NY 14228

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

TAL-8210

Client Contact			
Company Name: Matrix Environmental	Project Manager: Christine Curtis	Site Contact: Steve Marchetti	Date: 9-27-23
Address: PO Box 427	Tel/Email: ccurtis@matrixbotech.com	Lab Contact: John Schove	Carrier:
City/State/Zip: Orchard Park, NY 14127	Analysis Turnaround Time		
Phone: 716-662-0745	☐ CALENDAR DAYS ☐ WORKING DAYS		
Fax:	TAT if different from Below _____		
Project Name: Agnino Lancaster	☒ 2 weeks STND.		
Site: 65-67 Lake Ave., Lancaster, N.Y.	☐ 1 week		
P O # 19-546	☐ 2 days		
	☐ 1 day		

COC No: _____ of _____ COCs

Sampler: Craig D. Zinke

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:

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-5 (4.1')	9-27-23	9:33A	~~C~~ G	Soil	4			✓	
EX-6 (6.2')	9-27-23	10:16A	G	Soil	4			✓	

480-213134 Chain of Custody

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

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:

11.2 #(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:
Craig D. Zinke	Matrix	9/27/23			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			Charlene Lovelo	TA	9/27/23 1530

Login Sample Receipt Checklist

Client: Matrix Environmental Technologies Inc

Job Number: 480-213134-1

Login Number: 213134
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	
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	MATRIX
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	