

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: MILLER ENERGY COMPANY II, LLC
Name:
ClientProj: 2021704006.07
GTA ProjNo: 051123-18

Site Addr: ROSEBUSH BIOCELL

Sampled By: BRENDAN RUPPEN/GCES
Date Rec: 5/11/2023
Time Rec: 3:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3	5/10/2023	2:40 PM	WATER
2	MW-4	5/10/2023	2:55 PM	WATER
3	MW-5	5/10/2023	3:05 PM	WATER
4	BW-1	5/10/2023	3:10 PM	WATER

ELECTRONIC SIGNATURE REPORT. This is a final report for the following pages of data for the samples specified above. All analysis was performed by the methods stated and all quality control measures required were completed. All quality control information is available upon request.

Kirk Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.07

LOCATION: ROSEBUSH BIOCELL

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-3

GTA PROJECT NO: 051123-18

GTA SAMPLE NO: 1

DATE SAMPLED: 5/10/2023

TIME SAMPLED: 2:40 PM

DATE RECEIVED: 5/11/2023

TIME RECEIVED: 3:30 PM

SAMPLED BY: BRENDAN RUPPEN/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/13/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.07

LOCATION: ROSEBUSH BIOCELL

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4

GTA PROJECT NO: 051123-18

GTA SAMPLE NO: 2

DATE SAMPLED: 5/10/2023

TIME SAMPLED: 2:55 PM

DATE RECEIVED: 5/11/2023

TIME RECEIVED: 3:30 PM

SAMPLED BY: BRENDAN RUPPEN/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/13/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.07

LOCATION: ROSEBUSH BIOCELL

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-5

GTA PROJECT NO: 051123-18

GTA SAMPLE NO: 3

DATE SAMPLED: 5/10/2023

TIME SAMPLED: 3:05 PM

DATE RECEIVED: 5/11/2023

TIME RECEIVED: 3:30 PM

SAMPLED BY: BRENDAN RUPPEN/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/13/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.07

LOCATION: ROSEBUSH BIOCELL

MI

SAMPLE MATRIX: WATER

SAMPLE ID: BW-1

GTA PROJECT NO: 051123-18

GTA SAMPLE NO: 4

DATE SAMPLED: 5/10/2023

TIME SAMPLED: 3:10 PM

DATE RECEIVED: 5/11/2023

TIME RECEIVED: 3:30 PM

SAMPLED BY: BRENDAN RUPPEN/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/13/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.07

LOCATION: ROSEBUSH BIOCELL

GTA PROJECT NO: 051123-18

GTA SAMPLE NO: 1

DATE SAMPLED: 5/10/2023

TIME SAMPLED: 2:40 PM

DATE RECEIVED: 5/11/2023

TIME RECEIVED: 3:30 PM

MI
SAMPLED BY: BRENDAN RUPPEN/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-3

CHLORIDE EPA 300.0

Concentration

660

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/19/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.07

LOCATION: ROSEBUSH BIOCELL

GTA PROJECT NO: 051123-18

GTA SAMPLE NO: 2

DATE SAMPLED: 5/10/2023

TIME SAMPLED: 2:55 PM

DATE RECEIVED: 5/11/2023

TIME RECEIVED: 3:30 PM

MI
SAMPLED BY: BRENDAN RUPPEN/GCES**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-4						
	CHLORIDE EPA 300.0	35	10	mg/L (PPM)	KC/TR	5/19/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 051123-18

PROJECT NO: 2021704006.07

GTA SAMPLE NO: 3

LOCATION: ROSEBUSH BIOCELL

DATE SAMPLED: 5/10/2023

TIME SAMPLED: 3:05 PM

DATE RECEIVED: 5/11/2023

TIME RECEIVED: 3:30 PM

MI

SAMPLED BY: BRENDAN RUPPEN/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-5						
	CHLORIDE EPA 300.0	24	10	mg/L (PPM)	KC/TR	5/19/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2021704006.07

LOCATION: ROSEBUSH BIOCELL

GTA PROJECT NO: 051123-18

GTA SAMPLE NO: 4

DATE SAMPLED: 5/10/2023

TIME SAMPLED: 3:10 PM

DATE RECEIVED: 5/11/2023

TIME RECEIVED: 3:30 PM

MI
SAMPLED BY: BRENDAN RUPPEN/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
SAMPLE ID: BW-1							
CHLORIDE EPA 300.0		110	10	mg/L (PPM)	KC/TR	5/19/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
2021704006.07	Rosebush Biocell	Miller Energy
SAMPLED BY	COMPANY	GTA PROJECT #
Brendan Ruppen	GCES	051123-18

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-3	5/10/23	7:40	GW	BTEX, chloride
	MW-4	↓	2:55	↓	↓ ↓
	MW-5	↓	3:05	↓	↓ ↓
	BW-1	↓	3:10	↓	↓ ↓

BILL TO:	TempRec: ☐	On Ice? ☒ Y ☐ N	REPORT TO:
GCES	134		E. Vincke
RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
B. Ruppen	5/11/23 3:30	[Signature]	5/11/23 3:30
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			