

**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: 120722-19

Site Addr: ROSEBUSH BIOCELL

Sampled By: BRENDAN RUPPEN/GCES

Date Rec: 12/7/2022

Time Rec: 4:20 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-5	12/6/2022	3:20 PM	WATER
2	MW-4	12/6/2022	3:35 PM	WATER
3	MW-3	12/6/2022	3:45 PM	WATER
4	BW-1	12/6/2022	3:55 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
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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: 120722-19

GTA SAMPLE NO: 1

DATE SAMPLED: 12/6/2022

TIME SAMPLED: 3:20 PM

DATE RECEIVED: 12/7/2022

TIME RECEIVED: 4:20 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		12/10/2022	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: 120722-19

GTA SAMPLE NO: 2

DATE SAMPLED: 12/6/2022

TIME SAMPLED: 3:35 PM

DATE RECEIVED: 12/7/2022

TIME RECEIVED: 4:20 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		12/10/2022	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: MW-3

GTA PROJECT NO: 120722-19

GTA SAMPLE NO: 3

DATE SAMPLED: 12/6/2022

TIME SAMPLED: 3:45 PM

DATE RECEIVED: 12/7/2022

TIME RECEIVED: 4:20 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		12/10/2022	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: 120722-19
GTA SAMPLE NO: 4
DATE SAMPLED: 12/6/2022
TIME SAMPLED: 3:55 PM
DATE RECEIVED: 12/7/2022
TIME RECEIVED: 4:20 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		12/10/2022	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: 120722-19

GTA SAMPLE NO: 1

DATE SAMPLED: 12/6/2022

TIME SAMPLED: 3:20 PM

DATE RECEIVED: 12/7/2022

TIME RECEIVED: 4:20 PM

SAMPLED BY: MI
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	23	10	mg/L (PPM)	KC/TR	12/13/2022	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: 120722-19

PROJECT NO: 2021704006.07

GTA SAMPLE NO: 2

LOCATION: ROSEBUSH BIOCELL

DATE SAMPLED: 12/6/2022

TIME SAMPLED: 3:35 PM

DATE RECEIVED: 12/7/2022

TIME RECEIVED: 4:20 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	30	10	mg/L (PPM)	KC/TR	12/14/2022	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: 120722-19

GTA SAMPLE NO: 3

DATE SAMPLED: 12/6/2022

TIME SAMPLED: 3:45 PM

DATE RECEIVED: 12/7/2022

TIME RECEIVED: 4:20 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-3						
	CHLORIDE EPA 300.0	550	50	mg/L (PPM)	KC/TR	12/14/2022	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: 120722-19

PROJECT NO: 2021704006.07

GTA SAMPLE NO: 4

LOCATION: ROSEBUSH BIOCELL

DATE SAMPLED: 12/6/2022

TIME SAMPLED: 3:55 PM

DATE RECEIVED: 12/7/2022

TIME RECEIVED: 4:20 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	140	10	mg/L (PPM)	KC/TR	12/13/2022	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

CHAIN OF CUSTODY

PROJECT NUMBER <i>20217040002.07</i>	SITE NAME/ADDRESS <i>Rosebush Biocell</i>	COMPANY/NAME <i>Miller Energy</i>
SAMPLED BY <i>Brendan Ruppen</i>	COMPANY <i>GCES</i>	GTA PROJECT # <i>120722-19</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	<i>MW-5</i>	<i>3:20</i>	<i>12/6/22</i>	<i>GW</i>	<i>BTEX, Chloride</i>
	<i>MW-4</i>	<i>3:35</i>	<i>↓</i>	<i>↓</i>	<i>↓ ↓</i>
	<i>MW-3</i>	<i>3:45</i>	<i>↓</i>	<i>↓</i>	<i>↓ ↓</i>
	<i>BW-1</i>	<i>3:55</i>	<i>↓</i>	<i>↓</i>	<i>↓ ↓</i>

BILL TO: <i>GCES</i>	TempRec: ☐ <i>1.6°C</i>	On Ice? ☒ Y ☐ N	REPORT TO: <i>E. Vincke</i>
RELEASED BY <i>B. Ruppen</i>	DATE/TIME <i>12/7/22 4:20</i>	RECEIVED BY <i>A. [Signature]</i>	DATE/TIME <i>12/7/22 4:20</i>
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			