

**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: 2023704006

GTA ProjNo: 101323-18

Site Addr: BUCKENBERGER T.B.

Sampled By: TIM HALLADAY/MECH

Date Rec: 10/13/2023

Time Rec: 1:05 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	WS-1	10/12/2023	2:31 PM	WATER
2	FL-1	10/13/2023	7:10 AM	SOIL
3	FL-2	10/13/2023	7:18 AM	SOIL
4	FL-3	10/13/2023	7:29 AM	SOIL
5	FL-4	10/13/2023	7:36 AM	SOIL
6	SW-1	10/13/2023	7:52 AM	SOIL
7	SW-2	10/13/2023	7:58 AM	SOIL
8	SW-3	10/13/2023	8:11 AM	SOIL
9	SW-4	10/13/2023	8:19 AM	SOIL

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
Ph: 231-929-0905
Fx: 231-929-0894
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kirk@gtanalytical.com

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2023704006

LOCATION: BUCKENBERGER T.B.

MI

SAMPLE MATRIX: WATER

SAMPLE ID: WS-1

GTA PROJECT NO: 101323-18

GTA SAMPLE NO: 1

DATE SAMPLED: 10/12/2023

TIME SAMPLED: 2:31 PM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

SAMPLED BY: TIM HALLADAY/MECH

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		10/13/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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: 2023704006

LOCATION: BUCKENBERGER T.B.

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: FL-1

GTA PROJECT NO: 101323-18

GTA SAMPLE NO: 2

DATE SAMPLED: 10/13/2023

TIME SAMPLED: 7:10 AM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

SAMPLED BY: TIM HALLADAY/MECH

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/13/2023	10/13/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2023704006

LOCATION: BUCKENBERGER T.B.

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: FL-2

GTA PROJECT NO: 101323-18

GTA SAMPLE NO: 3

DATE SAMPLED: 10/13/2023

TIME SAMPLED: 7:18 AM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

SAMPLED BY: TIM HALLADAY/MECH

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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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/13/2023	10/13/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2023704006

LOCATION: BUCKENBERGER T.B.

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: FL-3

GTA PROJECT NO: 101323-18

GTA SAMPLE NO: 4

DATE SAMPLED: 10/13/2023

TIME SAMPLED: 7:29 AM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

SAMPLED BY: TIM HALLADAY/MECH

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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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/13/2023	10/13/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 101323-18

PROJECT NO: 2023704006

GTA SAMPLE NO: 5

LOCATION: BUCKENBERGER T.B.

DATE SAMPLED: 10/13/2023

TIME SAMPLED: 7:36 AM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: FL-4

SAMPLED BY: TIM HALLADAY/MECH

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/13/2023	10/13/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2023704006

LOCATION: BUCKENBERGER T.B.

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SW-1

GTA PROJECT NO: 101323-18

GTA SAMPLE NO: 6

DATE SAMPLED: 10/13/2023

TIME SAMPLED: 7:52 AM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

SAMPLED BY: TIM HALLADAY/MECII

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/13/2023	10/13/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2023704006

LOCATION: BUCKENBERGER T.B.

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SW-2

GTA PROJECT NO: 101323-18

GTA SAMPLE NO: 7

DATE SAMPLED: 10/13/2023

TIME SAMPLED: 7:58 AM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

SAMPLED BY: TIM HALLADAY/MECH

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/13/2023	10/13/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2023704006

LOCATION: BUCKENBERGER T.B.

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SW-3

GTA PROJECT NO: 101323-18

GTA SAMPLE NO: 8

DATE SAMPLED: 10/13/2023

TIME SAMPLED: 8:11 AM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

SAMPLED BY: TIM HALLADAY/MECH

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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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/13/2023	10/13/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2023704006

LOCATION: BUCKENBERGER T.B.

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SW-4

GTA PROJECT NO: 101323-18

GTA SAMPLE NO: 9

DATE SAMPLED: 10/13/2023

TIME SAMPLED: 8:19 AM

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

SAMPLED BY: TIM HALLADAY/MECH

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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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/13/2023	10/13/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: MILLER ENERGY COMPANY II, LLC

NAME:

PROJECT NO: 2023704006

GTA PROJECT NO: 101323-18

SAMPLED BY: TIM HALLADAY/MECII

DATE SAMPLED: 10/13/2023

LOCATION: BUCKENBERGER T.B.

SAMPLE SOIL

DATE RECEIVED: 10/13/2023

TIME RECEIVED: 1:05 PM

MI

MOISTURE

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: FL-1	% MOISTURE EPA 3550C	32	0.10	% OF SAMPLE	AS	10/13/2023
SAMPLE ID: FL-2	% MOISTURE EPA 3550C	31	0.10	% OF SAMPLE	AS	10/13/2023
SAMPLE ID: FL-3	% MOISTURE EPA 3550C	28	0.10	% OF SAMPLE	AS	10/13/2023
SAMPLE ID: FL-4	% MOISTURE EPA 3550C	30	0.10	% OF SAMPLE	AS	10/13/2023
SAMPLE ID: SW-1	% MOISTURE EPA 3550C	32	0.10	% OF SAMPLE	AS	10/13/2023
SAMPLE ID: SW-2	% MOISTURE EPA 3550C	32	0.10	% OF SAMPLE	AS	10/13/2023
SAMPLE ID: SW-3	% MOISTURE EPA 3550C	32	0.10	% OF SAMPLE	AS	10/13/2023
SAMPLE ID: SW-4	% MOISTURE EPA 3550C	33	0.10	% OF SAMPLE	AS	10/13/2023

CHAIN OF CUSTODY

PROJECT NUMBER 2023704006	SITE NAME/ADDRESS Buckenberger T.B.	COMPANY/NAME Miller Energy Company II, LLC
SAMPLED BY <i>Tim Halladay</i>	COMPANY <i>MEC-II</i>	GTA PROJECT # <i>101323-18</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	WS-1	10-12-23	7:36	water	BTex + 4
2	FL-1	10-13-23	7:10	soil	BTex + 4
3	FL-2	10-13-23	7:18	soil	BTex + 4
4	FL-3	10-13-23	7:29	soil	BTex + 4
5	FL-4	10-13-23	7:36	soil	BTex + 4
6	SW-1	10-13-23	7:52	soil	BTex + 4
7	SW-2	10-13-23	7:58	soil	BTex + 4
8	SW-3	10-13-23	8:11	soil	BTex + 4
9	SW-4	10-13-23	8:19	soil	BTex + 4

BILL TO: Miller Energy Company II, LLC
PO Box 632
Traverse City, MI 49685

REPORT TO:
Laura Dyke
Eric Vinke - Gosling

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>Tim Halladay</i>	10-13-23 11:16	<i>Laura Dyke</i>	10-13-23 11:16
<i>Eric Vinke</i>	10-13-23 1:05pm	<i>Eric Vinke</i>	10/13/23 1:05
			REC 12.02 ONTA

REQUESTED TAT ☐ STANDARD ☒ 1 BUSINESS DAY ☒ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS

water ↑

soil ↑