

**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: 2020704003
GTA ProjNo: 061422-9

Site Addr: SOUTH BUCKEYE

Sampled By: BRENDAN RUPPEN/GCES
Date Rec: 6/14/2022
Time Rec: 4:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-8	6/14/2022	1:00 PM	WATER
2	MW-2	6/14/2022	1:15 PM	WATER
3	MW-5	6/14/2022	1:30 PM	WATER
4	MW-4	6/14/2022	1:40 PM	WATER
5	MW-6	6/14/2022	1:50 PM	WATER
6	MW-3	6/14/2022	1:00 PM	WATER
7	MW-1	6/14/2022	1:10 PM	WATER
8	MW-7S	6/14/2022	1:20 PM	WATER
9	MW-7D	6/14/2022	1:30 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: 2020704003

LOCATION: SOUTH BUCKEYE

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-1

GTA PROJECT NO: 061422-9

GTA SAMPLE NO: 7

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:10 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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		6/17/2022	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

GTA PROJECT NO: 061422-9

PROJECT NO: 2020704003

GTA SAMPLE NO: 9

LOCATION: SOUTH BUCKEYE

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:30 PM

MI

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-7D

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		6/17/2022	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

GTA PROJECT NO: 061422-9

PROJECT NO: 2020704003

GTA SAMPLE NO: 1

LOCATION: SOUTH BUCKEYE

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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</u>
	SAMPLE ID: MW-8						
	CHLORIDE EPA 300.0	180	10	mg/L (PPM)	KC/AS	6/17/2022	WATER

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704003

LOCATION: SOUTH BUCKEYE

GTA PROJECT NO: 061422-9

GTA SAMPLE NO: 2

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:15 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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</u>
	SAMPLE ID: MW-2						
	CHLORIDE EPA 300.0	38	10	mg/L (PPM)	KC/AS	6/17/2022	WATER

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COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 061422-9

PROJECT NO: 2020704003

GTA SAMPLE NO: 3

LOCATION: SOUTH BUCKEYE

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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</u>
	SAMPLE ID: MW-5						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/AS	6/17/2022	WATER

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704003

LOCATION: SOUTH BUCKEYE

GTA PROJECT NO: 061422-9

GTA SAMPLE NO: 4

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:40 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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</u>
	SAMPLE ID: MW-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/AS	6/17/2022	WATER

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COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 061422-9

PROJECT NO: 2020704003

GTA SAMPLE NO: 5

LOCATION: SOUTH BUCKEYE

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:50 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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</u>
	SAMPLE ID: MW-6						
	CHLORIDE EPA 300.0	18	10	mg/L (PPM)	KC/AS	6/17/2022	WATER

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COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 061422-9

PROJECT NO: 2020704003

GTA SAMPLE NO: 6

LOCATION: SOUTH BUCKEYE

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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</u>
	SAMPLE ID: MW-3						
	CHLORIDE EPA 300.0	240	10	mg/L (PPM)	KC/AS	6/17/2022	WATER

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GTA PROJECT NO: 061422-9

PROJECT NO: 2020704003

GTA SAMPLE NO: 7

LOCATION: SOUTH BUCKEYE

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:10 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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</u>
	SAMPLE ID: MW-1						
	CHLORIDE EPA 300.0	830	50	mg/L (PPM)	KC/AS	6/17/2022	WATER

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PROJECT NO: 2020704003

LOCATION: SOUTH BUCKEYE

GTA PROJECT NO: 061422-9

GTA SAMPLE NO: 8

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:20 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 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</u>
	SAMPLE ID: MW-7S						
	CHLORIDE EPA 300.0	170	10	mg/L (PPM)	KC/AS	6/17/2022	WATER

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COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 061422-9

PROJECT NO: 2020704003

GTA SAMPLE NO: 9

LOCATION: SOUTH BUCKEYE

DATE SAMPLED: 6/14/2022

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 6/14/2022

TIME RECEIVED: 4:30 PM

MI

SAMPLED BY: BRENDAN RUPPEN/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-7D

CHLORIDE EPA 300.0

Concentration

900

LOD

50

Units

mg/L (PPM)

Analyst

KC/AS

Date Completed

6/17/2022

Sample

WATER

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CHAIN OF CUSTODY

PROJECT NUMBER 2020704003	SITE NAME/ADDRESS South Beckeye	COMPANY/NAME Summit Petroleum
SAMPLED BY Brennan Reppen	COMPANY GCES	GTA PROJECT # 061422-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-8	6/14/22	1:00	GW	Chloride
2	MW-2	↓	1:15	↓	↓
3	MW-5		1:30		
4	MW-4		1:40		
5	MW-6		1:50		
6	MW-3		1:00		
7	MW-1		1:10		BTEX, Chloride
8	MW-7s		1:20		Chloride
9	MW-7D		1:30		BTEX, Chloride

BILL TO: GCES	TempRec: ☐ 2.0°C	On Ice? ☒ ☐	REPORT TO: E. Vincke
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RELEASED BY B. Reppen	DATE/TIME 6/14/22 4:30	RECEIVED BY [Signature]	DATE/TIME 6/14/22 4:30
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REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS