

**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: 2020704014.01
GTA ProjNo: 050222-3

Site Addr: MCBAIN A

Sampled By: MARK ALLEN/GCES
Date Rec: 5/2/2022
Time Rec: 9:45 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	4/29/2022	2:40 PM	WATER
2	MW-2	4/29/2022	12:35 PM	WATER
3	MW-3	4/29/2022	11:50 AM	WATER
4	MW-4	4/29/2022	1:20 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
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

**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

PROJECT NO: 2020704014.01

LOCATION: MCBAIN A

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-1

GTA PROJECT NO: 050222-3

GTA SAMPLE NO: 1

DATE SAMPLED: 4/29/2022

TIME SAMPLED: 2:40 PM

DATE RECEIVED: 5/2/2022

TIME RECEIVED: 9:45 AM

SAMPLED BY: MARK ALLEN/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		5/2/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	18	3.0					
1,2,4-Trimethylbenzene	24	1.0					
1,3,5-Trimethylbenzene	8.2	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

**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

PROJECT NO: 2020704014.01

LOCATION: MCBAIN A

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-2

GTA PROJECT NO: 050222-3

GTA SAMPLE NO: 2

DATE SAMPLED: 4/29/2022

TIME SAMPLED: 12:35 PM

DATE RECEIVED: 5/2/2022

TIME RECEIVED: 9:45 AM

SAMPLED BY: MARK ALLEN/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		5/2/2022	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

**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

PROJECT NO: 2020704014.01

LOCATION: MCBAIN A

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-3

GTA PROJECT NO: 050222-3

GTA SAMPLE NO: 3

DATE SAMPLED: 4/29/2022

TIME SAMPLED: 11:50 AM

DATE RECEIVED: 5/2/2022

TIME RECEIVED: 9:45 AM

SAMPLED BY: MARK ALLEN/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		5/2/2022	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

COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 050222-3

PROJECT NO: 2020704014.01

GTA SAMPLE NO: 4

LOCATION: MCBAIN A

DATE SAMPLED: 4/29/2022

TIME SAMPLED: 1:20 PM

MI

DATE RECEIVED: 5/2/2022

TIME RECEIVED: 9:45 AM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4

SAMPLED BY: MARK ALLEN/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		5/2/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	18	3.0					
1,2,4-Trimethylbenzene	4.8	1.0					
1,3,5-Trimethylbenzene	1.7	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

**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

GTA PROJECT NO: 050222-3

PROJECT NO: 2020704014.01

GTA SAMPLE NO: 1

LOCATION: MCBAIN A

DATE SAMPLED: 4/29/2022

TIME SAMPLED: 2:40 PM

DATE RECEIVED: 5/2/2022

TIME RECEIVED: 9:45 AM

MI

SAMPLED BY: MARK ALLEN/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-1

CHLORIDE EPA 300.0

Concentration

48

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/5/2022

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**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

PROJECT NO: 2020704014.01

LOCATION: MCBAIN A

GTA PROJECT NO: 050222-3

GTA SAMPLE NO: 2

DATE SAMPLED: 4/29/2022

TIME SAMPLED: 12:35 PM

DATE RECEIVED: 5/2/2022

TIME RECEIVED: 9:45 AM

SAMPLED BY: MI
MARK ALLEN/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-2

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/5/2022

Sample

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: 050222-3

PROJECT NO: 2020704014.01

GTA SAMPLE NO: 3

LOCATION: MCBAIN A

DATE SAMPLED: 4/29/2022

TIME SAMPLED: 11:50 AM

DATE RECEIVED: 5/2/2022

TIME RECEIVED: 9:45 AM

MI

SAMPLED BY: MARK ALLEN/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	ND	10	mg/L (PPM)	KC/TR	5/5/2022	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**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

GTA PROJECT NO: 050222-3

PROJECT NO: 2020704014.01

GTA SAMPLE NO: 4

LOCATION: MCBAIN A

DATE SAMPLED: 4/29/2022

TIME SAMPLED: 1:20 PM

DATE RECEIVED: 5/2/2022

TIME RECEIVED: 9:45 AM

MI

SAMPLED BY: MARK ALLEN/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-4

CHLORIDE EPA 300.0

Concentration

52

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/5/2022

Sample

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>2020704014.01</i>	SITE NAME/ADDRESS <i>M^cBAIN - A</i>	COMPANY/NAME <i>Summit Petroleum</i>
SAMPLED BY <i>Mark G. Allen</i> <i>MARK G. ALLEN</i>	COMPANY <i>GOSLING CZUBAR</i>	GTA PROJECT # <i>050222-3</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>MW-1</i>	<i>4-29-22</i>	<i>14:40</i>	<i>WATER</i>	<i>BTEX+4, CHLORIDE</i>
2	<i>MW-2</i>	<i>4-29-22</i>	<i>12:35</i>	<i>WATER</i>	<i>BTEX+4, CHLORIDE</i>
3	<i>MW-3</i>	<i>4-29-22</i>	<i>11:50</i>	<i>WATER</i>	<i>BTEX+4, CHLORIDE</i>
4	<i>MW-4</i>	<i>4-29-22</i>	<i>13:20</i>	<i>WATER</i>	<i>BTEX+4, CHLORIDE</i>

BILL TO: <i>GCS</i>	TempRec: ☐ Y ☐ N On Ice? ☐ ☐	REPORT TO: <i>ERIC VINCKE</i> <i>JEFF SIMSA</i>
------------------------	---	---

RELEASED BY <i>Mark G. Allen</i> <i>MARK G. ALLEN</i>	DATE/TIME	RECEIVED BY <i>Tyler Dool</i>	DATE/TIME <i>5-22-22 9:45a</i>

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