

**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: 2020704024.01
GTA ProjNo: 122021-6

Site Addr: ST. HELEN 15-48

Sampled By: MAX KORNDORFER/GCES
Date Rec: 12/20/2021
Time Rec: 3:25 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	12/20/2021	12:00 PM	WATER
2	MW-2	12/20/2021	12:25 PM	WATER
3	MW-3	12/20/2021	12:40 PM	WATER
4	MW-4	12/20/2021	1:15 PM	WATER
5	MW-5	12/20/2021	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
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Traverse City, MI 49686
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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704024.01

LOCATION: ST. HELEN 15-48

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-1

GTA PROJECT NO: 122021-6

GTA SAMPLE NO: 1

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 12:00 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

SAMPLED BY: MAX KORNDORFER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/21/2021	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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PROJECT NO: 2020704024.01

LOCATION: ST. HELEN 15-48

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-2

GTA PROJECT NO: 122021-6

GTA SAMPLE NO: 2

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 12:25 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

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EPA 8260B VOLATILE ORGANICS

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Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
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1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704024.01

LOCATION: ST. HELEN 15-48

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-3

GTA PROJECT NO: 122021-6

GTA SAMPLE NO: 3

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 12:40 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

SAMPLED BY: MAX KORNDORFER/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>Completed</u>	<u>Prep Method</u>
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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					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704024.01

LOCATION: ST. HELEN 15-48

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4

GTA PROJECT NO: 122021-6

GTA SAMPLE NO: 4

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 1:15 PM

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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>
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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					

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COMPANY: MILLER ENERGY COMPANY II, LLC

PROJECT NO: 2020704024.01

LOCATION: ST. HELEN 15-48

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-5

GTA PROJECT NO: 122021-6

GTA SAMPLE NO: 5

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

SAMPLED BY: MAX KORNDORFER/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>Completed</u>	<u>Prep Method</u>
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Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
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1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 122021-6

PROJECT NO: 2020704024.01

GTA SAMPLE NO: 1

LOCATION: ST. HELEN 15-48

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 12:00 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

MI

SAMPLED BY: MAX KORNDORFER/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-1						
	CHLORIDE EPA 300.0	66	10	mg/L (PPM)	TR	12/22/2021	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: 122021-6

PROJECT NO: 2020704024.01

GTA SAMPLE NO: 2

LOCATION: ST. HELEN 15-48

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 12:25 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

MI

SAMPLED BY: MAX KORNDORFER/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-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	12/22/2021	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: 122021-6

PROJECT NO: 2020704024.01

GTA SAMPLE NO: 3

LOCATION: ST. HELEN 15-48

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 12:40 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

MI

SAMPLED BY: MAX KORNDORFER/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	ND	10	mg/L (PPM)	TR	12/22/2021	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 122021-6

PROJECT NO: 2020704024.01

GTA SAMPLE NO: 4

LOCATION: ST. HELEN 15-48

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 1:15 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-4

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

TR

12/22/2021

WATER

ND = NOT DETECTED, RESULT < LOD

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COMPANY: MILLER ENERGY COMPANY II, LLC

GTA PROJECT NO: 122021-6

GTA SAMPLE NO: 5

PROJECT NO: 2020704024.01

LOCATION: ST. HELEN 15-48

DATE SAMPLED: 12/20/2021

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 12/20/2021

TIME RECEIVED: 3:25 PM

MI

SAMPLED BY: MAX KORNDORFER/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	ND	10	mg/L (PPM)	TR	12/22/2021	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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