

**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: 2020704003.01

GTA ProjNo: 052521-5

Site Addr: OARD (SOUTH BUCKEYE) FACILITY

Sampled By: PETE KALLIOINEN/GCES

Date Rec: 5/25/2021

Time Rec: 10:10 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-6	5/21/2021	4:57 PM	WATER
2	MW-8	5/21/2021	5:11 PM	WATER
3	MW-7S	5/21/2021	5:14 PM	WATER
4	MW-7D	5/21/2021	5:22 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
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kirk@gtanalytical.com

COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2020704003.01
LOCATION: OARD (SOUTH BUCKEYE) FACILITY

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-6

GTA PROJECT NO: 052521-5
GTA SAMPLE NO: 1

DATE SAMPLED: 5/21/2021
TIME SAMPLED: 4:57 PM
DATE RECEIVED: 5/25/2021
TIME RECEIVED: 10:10 AM

SAMPLED BY: PETE KALLIOINEN/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		5/25/2021	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: 2020704003.01
LOCATION: OARD (SOUTH BUCKEYE) FACILITY

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-8

GTA PROJECT NO: 052521-5
GTA SAMPLE NO: 2

DATE SAMPLED: 5/21/2021
TIME SAMPLED: 5:11 PM
DATE RECEIVED: 5/25/2021
TIME RECEIVED: 10:10 AM

SAMPLED BY: PETE KALLIOINEN/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		5/25/2021	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					

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COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2020704003.01
LOCATION: OARD (SOUTH BUCKEYE) FACILITY

GTA PROJECT NO: 052521-5
GTA SAMPLE NO: 3

DATE SAMPLED: 5/21/2021
TIME SAMPLED: 5:14 PM
DATE RECEIVED: 5/25/2021
TIME RECEIVED: 10:10 AM

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-7S

SAMPLED BY: PETE KALLIOINEN/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		5/25/2021	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.

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COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: 2020704003.01
LOCATION: OARD (SOUTH BUCKEYE) FACILITY

GTA PROJECT NO: 052521-5
GTA SAMPLE NO: 4

DATE SAMPLED: 5/21/2021
TIME SAMPLED: 5:22 PM
DATE RECEIVED: 5/25/2021
TIME RECEIVED: 10:10 AM

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-7D

SAMPLED BY: PETE KALLIOINEN/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		5/25/2021	EPA 5030B
Toluene	5.6	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.

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LOCATION: OARD (SOUTH BUCKEYE) FACILITY

GTA PROJECT NO: 052521-5
GTA SAMPLE NO: 1

DATE SAMPLED: 5/21/2021
TIME SAMPLED: 4:57 PM
DATE RECEIVED: 5/25/2021
TIME RECEIVED: 10:10 AM

MI
SAMPLED BY: PETE KALLIOINEN/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	ND	10	mg/L (PPM)	TR	5/26/2021	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
PROJECT NO: 2020704003.01
LOCATION: OARD (SOUTH BUCKEYE) FACILITY

GTA PROJECT NO: 052521-5
GTA SAMPLE NO: 2

DATE SAMPLED: 5/21/2021
TIME SAMPLED: 5:11 PM
DATE RECEIVED: 5/25/2021
TIME RECEIVED: 10:10 AM

MI
SAMPLED BY: PETE KALLIOINEN/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	74	10	mg/L (PPM)	TR	5/26/2021	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
PROJECT NO: 2020704003.01
LOCATION: OARD (SOUTH BUCKEYE) FACILITY

GTA PROJECT NO: 052521-5
GTA SAMPLE NO: 3

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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	1,300	50	mg/L (PPM)	TR	5/26/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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LOCATION: OARD (SOUTH BUCKEYE) FACILITY

GTA PROJECT NO: 052521-5
GTA SAMPLE NO: 4

DATE SAMPLED: 5/21/2021
TIME SAMPLED: 5:22 PM
DATE RECEIVED: 5/25/2021
TIME RECEIVED: 10:10 AM

MI
SAMPLED BY: PETE KALLIOINEN/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-7D						
	CHLORIDE EPA 300.0	850	50	mg/L (PPM)	TR	5/26/2021	WATER

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

