



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: ANNUAL
GTA ProjNo: 122624-15

Site Addr: EPA-UIC ANALYSIS

Sampled By: NICK NEWELL/MECII
Date Rec: 12/26/2024
Time Rec: 2:45 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	ASA PROUT 1	11/25/2024	10:00 AM	WATER
2	FITZPATRICK 1-12	11/25/2024	10:30 AM	WATER
3	J. FITZPATRICK ESTATE 1	11/25/2024	10:15 AM	WATER
4	THOMAS WING 1	11/25/2024	9:30 AM	WATER
5	H.E. TOPE A-2 (Q4)	11/25/2024	9:00 AM	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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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	122624-15
PROJECT NO:	ANNUAL	GTA SAMPLE NO:	1
LOCATION:	EPA-UIC ANALYSIS	DATE SAMPLED:	11/25/2024
		TIME SAMPLED:	10:00 AM
		DATE RECEIVED:	12/26/2024
	MI	TIME RECEIVED:	2:45 PM
SAMPLED BY:	NICK NEWELL/MECII	SAMPLE MATRIX:	WATER
SAMPLE ID:	ASA PROUT 1		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
BARIUM DISS EPA 6020A	ND	2.0	mg/L (PPM)	MR	1/6/2025	EPA 3005A
CALCIUM DISS EPA 6020A	7,200	20	mg/L (PPM)	MR	1/6/2025	EPA 3005A
IRON TOTAL EPA 6020A	ND	20	mg/L (PPM)	MR	1/6/2025	EPA 3020A
MAGNESIUM DISS EPA 6020A	1,700	20	mg/L (PPM)	MR	1/6/2025	EPA 3005A
SODIUM DISS EPA 6020A	27,000	200	mg/L (PPM)	MR	1/6/2025	EPA 3005A

ND = NOT DETECTED, RESULT < LOD
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COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: ANNUAL
 LOCATION: EPA-UIC ANALYSIS
 MI
 SAMPLED BY: NICK NEWELL/MECII
 SAMPLE ID: ASA PROUT 1

GTA PROJECT NO: 122624-15
 GTA SAMPLE NO: 1
 DATE RECEIVED: 12/26/2024
 TIME RECEIVED: 2:45 PM
 DATE SAMPLED: 11/25/2024
 TIME SAMPLED: 10:00 AM
 SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
ALKALINITY SM 4500CO2D (BICARBONATE)	67	10	mg/L (PPM)	TR	1/10/2025
ALKALINITY SM 4500CO2D (CARBONATE)	ND	10	mg/L (PPM)	TR	1/10/2025
CHLORIDE EPA 300.0	210,000	2,000	mg/L (PPM)	KC/TR	1/11/2025
pH EPA 150.1 - LAB	5.8	0.10	s.u.	TR	1/10/2025
RESISTIVITY SM 2510A	1.9	-	ohms x cm	TR	1/6/2025
SPECIFIC GRAVITY SM 2710F	1.19	-	-	TR	1/10/2025
SULFATE EPA 9038	190	80	mg/L (PPM)	KC/TR	1/18/2025
SULFIDE SM 4500S D	ND	1.0	mg/L (PPM)	TR	12/31/2024
TOTAL DISSOLVED SOLIDS EPA 160.1	380,000	5.0	mg/L (PPM)	TR	1/14/2025

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COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: ANNUAL
 LOCATION: EPA-UIC ANALYSIS
 MI
 SAMPLED BY: NICK NEWELL/MECII
 SAMPLE ID: J. FITZPATRICK ESTATE 1

GTA PROJECT NO: 122624-15
 GTA SAMPLE NO: 3
 DATE RECEIVED: 12/26/2024
 TIME RECEIVED: 2:45 PM
 DATE SAMPLED: 11/25/2024
 TIME SAMPLED: 10:15 AM
 SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
ALKALINITY SM 4500CO2D (BICARBONATE)	110	10	mg/L (PPM)	TR	1/10/2025
ALKALINITY SM 4500CO2D (CARBONATE)	ND	10	mg/L (PPM)	TR	1/10/2025
CHLORIDE EPA 300.0	210,000	2,000	mg/L (PPM)	KC/TR	1/11/2025
pH EPA 150.1 - LAB	5.9	0.10	s.u.	TR	1/10/2025
RESISTIVITY SM 2510A	2.0	-	ohms x cm	TR	1/6/2025
SPECIFIC GRAVITY SM 2710F	1.18	-	-	TR	1/10/2025
SULFATE EPA 9038	180	80	mg/L (PPM)	KC/TR	1/18/2025
SULFIDE SM 4500S D	ND	1.0	mg/L (PPM)	TR	12/31/2024
TOTAL DISSOLVED SOLIDS EPA 160.1	360,000	5.0	mg/L (PPM)	TR	1/14/2025

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COMPANY: MILLER ENERGY COMPANY II, LLC
 PROJECT NO: ANNUAL
 LOCATION: EPA-UIC ANALYSIS
 MI
 SAMPLED BY: NICK NEWELL/MECII
 SAMPLE ID: THOMAS WING 1

GTA PROJECT NO: 122624-15
 GTA SAMPLE NO: 4
 DATE RECEIVED: 12/26/2024
 TIME RECEIVED: 2:45 PM
 DATE SAMPLED: 11/25/2024
 TIME SAMPLED: 9:30 AM
 SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
ALKALINITY SM 4500CO2D (BICARBONATE)	78	10	mg/L (PPM)	TR	1/10/2025
ALKALINITY SM 4500CO2D (CARBONATE)	ND	10	mg/L (PPM)	TR	1/10/2025
CHLORIDE EPA 300.0	220,000	2,000	mg/L (PPM)	KC/TR	1/11/2025
pH EPA 150.1 - LAB	5.8	0.10	s.u.	TR	1/10/2025
RESISTIVITY SM 2510A	1.9	-	ohms x cm	TR	1/6/2025
SPECIFIC GRAVITY SM 2710F	1.20	-	-	TR	1/10/2025
SULFATE EPA 9038	170	80	mg/L (PPM)	KC/TR	1/18/2025
SULFIDE SM 4500S D	ND	1.0	mg/L (PPM)	TR	12/31/2024
TOTAL DISSOLVED SOLIDS EPA 160.1	320,000	5.0	mg/L (PPM)	TR	1/14/2025

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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	122624-15
PROJECT NO:	ANNUAL	GTA SAMPLE NO:	5
LOCATION:	EPA-UIC ANALYSIS	DATE SAMPLED:	11/25/2024
		TIME SAMPLED:	9:00 AM
		DATE RECEIVED:	12/26/2024
	MI	TIME RECEIVED:	2:45 PM
SAMPLED BY:	NICK NEWELL/MECII	SAMPLE MATRIX:	WATER
SAMPLE ID:	H.E. TOPE A-2 (Q4)		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
BARIUM DISS EPA 6020A	ND	2.0	mg/L (PPM)	MR	1/6/2025	EPA 3005A
CALCIUM DISS EPA 6020A	5,900	20	mg/L (PPM)	MR	1/6/2025	EPA 3005A
IRON TOTAL EPA 6020A	ND	20	mg/L (PPM)	MR	1/6/2025	EPA 3020A
MAGNESIUM DISS EPA 6020A	1,400	20	mg/L (PPM)	MR	1/6/2025	EPA 3005A
SODIUM DISS EPA 6020A	18,000	200	mg/L (PPM)	MR	1/6/2025	EPA 3005A

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COMPANY: MILLER ENERGY COMPANY II, LLC
PROJECT NO: ANNUAL
LOCATION: EPA-UIC ANALYSIS
MI
SAMPLED BY: NICK NEWELL/MECII
SAMPLE ID: H.E. TOPE A-2 (Q4)

GTA PROJECT NO: 122624-15
GTA SAMPLE NO: 5
DATE RECEIVED: 12/26/2024
TIME RECEIVED: 2:45 PM
DATE SAMPLED: 11/25/2024
TIME SAMPLED: 9:00 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
ALKALINITY SM 4500CO2D (BICARBONATE)	55	10	mg/L (PPM)	TR	1/10/2025
ALKALINITY SM 4500CO2D (CARBONATE)	ND	10	mg/L (PPM)	TR	1/10/2025
CHLORIDE EPA 300.0	200,000	2,000	mg/L (PPM)	KC/TR	1/11/2025
pH EPA 150.1 - LAB	6.1	0.10	s.u.	TR	1/10/2025
RESISTIVITY SM 2510A	2.0	-	ohms x cm	TR	1/6/2025
SULFATE EPA 9038	260	80	mg/L (PPM)	KC/TR	1/18/2025
SULFIDE SM 4500S D	ND	1.0	mg/L (PPM)	TR	12/31/2024
TOTAL DISSOLVED SOLIDS EPA 160.1	350,000	5.0	mg/L (PPM)	TR	1/14/2025

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