



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: MILLER ENERGY COMPANY II, LLC      Site Addr: EPA-UIC ANALYSIS  
Name:  
ClientProj: ANNUAL  
GTA ProjNo: 122624-22

Sampled By: LLOYD BERRY/MECII  
Date Rec: 12/26/2024  
Time Rec: 2:45 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	JOAN HOUSER 1	12/24/2024	10:25 AM	WATER
2	ERNO-SAMYN-LALONDE COMM 1	12/24/2024	10:10 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  
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](mailto: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: ANNUAL  
 LOCATION: EPA-UIC ANALYSIS  
 MI  
 SAMPLED BY: LLOYD BERRY/MECII  
 SAMPLE ID: JOAN HOUSER 1

GTA PROJECT NO: 122624-22  
 GTA SAMPLE NO: 1  
 DATE RECEIVED: 12/26/2024  
 TIME RECEIVED: 2:45 PM  
 DATE SAMPLED: 12/24/2024  
 TIME SAMPLED: 10:25 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)	ND	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	230,000	2,000	mg/L (PPM)	KC/TR	1/12/2025
pH EPA 150.1 - LAB	4.3	0.10	s.u.	TR	1/10/2025
RESISTIVITY SM 2510A	1.9	-	ohms x cm	TR	1/7/2025
SPECIFIC GRAVITY SM 2710F	1.21	-	-	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	430,000	5.0	mg/L (PPM)	TR	1/15/2025

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



**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: ANNUAL  
 LOCATION: EPA-UIC ANALYSIS  
 MI  
 SAMPLED BY: LLOYD BERRY/MECII  
 SAMPLE ID: ERNO-SAMYN-LALONDE COMM 1

GTA PROJECT NO: 122624-22  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 12/24/2024  
 TIME SAMPLED: 10:10 AM  
 DATE RECEIVED: 12/26/2024  
 TIME RECEIVED: 2:45 PM  
 SAMPLE MATRIX: WATER

**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	1/2/2025	EPA 3005A
CALCIUM DISS EPA 6020A	9,200	20	mg/L (PPM)	MR	1/2/2025	EPA 3005A
IRON TOTAL EPA 6020A	ND	20	mg/L (PPM)	MR	1/2/2025	EPA 3020A
MAGNESIUM DISS EPA 6020A	2,100	20	mg/L (PPM)	MR	1/2/2025	EPA 3005A
SODIUM DISS EPA 6020A	47,000	200	mg/L (PPM)	MR	1/2/2025	EPA 3005A

ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION  
 DISS = DISSOLVED



**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: ANNUAL  
 LOCATION: EPA-UIC ANALYSIS  
 MI  
 SAMPLED BY: LLOYD BERRY/MECII  
 SAMPLE ID: ERNO-SAMYN-LALONDE COMM 1

GTA PROJECT NO: 122624-22  
 GTA SAMPLE NO: 2  
 DATE RECEIVED: 12/26/2024  
 TIME RECEIVED: 2:45 PM  
 DATE SAMPLED: 12/24/2024  
 TIME SAMPLED: 10:10 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)	44	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	260,000	2,000	mg/L (PPM)	KC/TR	1/12/2025
pH EPA 150.1 - LAB	5.8	0.10	s.u.	TR	1/10/2025
RESISTIVITY SM 2510A	1.9	-	ohms x cm	TR	1/7/2025
SPECIFIC GRAVITY SM 2710F	1.21	-	-	TR	1/10/2025
SULFATE EPA 9038	130	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	410,000	5.0	mg/L (PPM)	TR	1/15/2025

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

