



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 Site Addr: EPA-UIC ANNUAL SAMPLES
Name:
ClientProj: ANNUAL INJECTION FLUID ANALYSIS-
GTA ProjNo: 112222-18 Sampled By: LLOYD BERRY/MECII
Date Rec: 11/22/2022
Time Rec: 4:34 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	JOAN HOUSER 1	11/17/2022	2:00 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

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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	112222-18
PROJECT NO:	ANNUAL INJECTION FLUID ANALYSIS-	GTA SAMPLE NO:	1
LOCATION:	EPA-UIC ANNUAL SAMPLES	DATE SAMPLED:	11/17/2022
		TIME SAMPLED:	2:00 PM
		DATE RECEIVED:	11/22/2022
	MI	TIME RECEIVED:	4:34 PM
SAMPLED BY:	LLOYD BERRY/MECH	SAMPLE MATRIX:	WATER
SAMPLE ID:	JOAN HOUSER 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	1.0	mg/L (PPM)	MR	12/7/2022	EPA 3005A
CALCIUM DISS EPA 6020A	54,000	100	mg/L (PPM)	MR	12/7/2022	EPA 3005A
IRON TOTAL EPA 6020A	ND	10	mg/L (PPM)	MR	12/7/2022	EPA 3020A
MAGNESIUM DISS EPA 6020A	9,100	100	mg/L (PPM)	MR	12/7/2022	EPA 3005A
SODIUM DISS EPA 6020A	130,000	100	mg/L (PPM)	MR	12/7/2022	EPA 3005A

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



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PROJECT NO: ANNUAL INJECTION FLUID ANALYSIS-
LOCATION: EPA-UIC ANNUAL SAMPLES
MI
SAMPLED BY: LLOYD BERRY/MECII
SAMPLE ID: JOAN HOUSER 1

GTA PROJECT NO: 112222-18
GTA SAMPLE NO: 1
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DATE SAMPLED: 11/17/2022
TIME SAMPLED: 2:00 PM
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)	22	10	mg/L (PPM)	TR	12/12/2022
ALKALINITY SM 4500CO2D (CARBONATE)	ND	10	mg/L (PPM)	TR	12/12/2022
CHLORIDE EPA 300.0	330,000	2,000	mg/L (PPM)	KC/TR	12/13/2022
pH EPA 150.1 - LAB	5.7	0.10	s.u.	TR	12/12/2022
RESISTIVITY SM 2510A	8.2	-	ohms x cm	AS	12/19/2022
SPECIFIC GRAVITY SM 2710F	1.002	-	-	TR	12/12/2022
SULFATE EPA 300.0	210	50	mg/L (PPM)	KC/TR	12/13/2022
SULFIDE SM 4500S D	ND	1.0	mg/L (PPM)	KC	11/25/2022
TOTAL DISSOLVED SOLIDS EPA 160.1	350,000	5.0	mg/L (PPM)	TR	12/13/2022

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

