



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

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www.gtanalytical.com

Company: MILLER ENERGY COMPANY II, LLC
Name:
ClientProj: QUARTERLY INJECTION FLUID ANALYSIS -
GTA ProjNo: 061423-6

Site Addr: EPA-UIC QUARTERLY BRINE ANALYSIS
Sampled By: DAVE SMITH/MECII
Date Rec: 6/14/2023
Time Rec: 11:18 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	CONSERVATION ESTATES 5-5 SWD	6/2/2023	12:15 PM	WATER
2	FRED E. BEUTLER 2 SWD	6/2/2023	12:40 PM	WATER
3	HAROLD CUMMINGS 1-33 SWD	6/2/2023	8:35 AM	WATER
4	JOHN CUMMINGS 1-33	6/2/2023	8:48 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

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COMPANY:	MILLER ENERGY COMPANY II, LLC	GTA PROJECT NO:	061423-6
PROJECT NO:	QUARTERLY INJECTION FLUID ANALYSIS -	GTA SAMPLE NO:	4
LOCATION:	EPA-UIC QUARTERLY BRINE ANALYSIS	DATE RECEIVED:	6/14/2023
	MI	TIME RECEIVED:	11:18 AM
SAMPLED BY:	DAVE SMITH/MECII	DATE SAMPLED:	6/2/2023
		TIME SAMPLED:	8:48 AM
SAMPLE ID:	JOHN CUMMINGS 1-33	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)	140	10	mg/L (PPM)	TR	6/29/2023
ALKALINITY SM 4500CO2D (CARBONATE)	ND	10	mg/L (PPM)	TR	6/29/2023
CHLORIDE EPA 300.0	260,000	2,000	mg/L (PPM)	KC/TR	6/28/2023
pH EPA 150.1 - LAB	6.7	0.10	s.u.	TR	6/29/2023
RESISTIVITY SM 2510A	8.7	-	ohms x cm	AS	6/14/2023
SULFATE EPA 300.0	240	50	mg/L (PPM)	KC/TR	6/28/2023
SULFIDE SM 4500S D	ND	1.0	mg/L (PPM)	KC	6/15/2023
TOTAL DISSOLVED SOLIDS EPA 160.1	390,000	5.0	mg/L (PPM)	TR	6/29/2023

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

