



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: SWD/WIW
ClientProj:

Site Addr: QUARTERLY INJECTION FLUID ANALYSIS -

GTA ProjNo: 030922-9

Sampled By: DAVE SMITH/MECII
Date Rec: 3/9/2022
Time Rec: 3:39 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	CONSERVATION ESTATES 5-5 SWD	3/4/2022	11:36 AM	WATER
2	FRED E. BEUTLER 2 SWD	3/4/2022	11:26 AM	WATER
3	HAROLD CUMMINGS 1-33 SWD	3/4/2022	12:03 PM	WATER
4	JOHN CUMMINGS 1-33	3/4/2022	12:25 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
Fx: 231-929-0894
SP: 231-590-0291
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:
 LOCATION: QUARTERLY INJECTION FLUID ANALYSIS - MI
 SAMPLED BY: DAVE SMITH/MECII
 SAMPLE ID: JOHN CUMMINGS 1-33

GTA PROJECT NO: 030922-9
 GTA SAMPLE NO: 4
 DATE RECEIVED: 3/9/2022
 TIME RECEIVED: 3:39 PM
 DATE SAMPLED: 3/4/2022
 TIME SAMPLED: 12:25 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)	170	10	mg/L (PPM)	TR	3/14/2022
ALKALINITY SM 4500CO2D (CARBONATE)	ND	10	mg/L (PPM)	TR	3/14/2022
CHLORIDE EPA 300.0	220,000	2,000	mg/L (PPM)	TR	3/24/2022
pH EPA 150.1 - LAB	6.4	0.10	s.u	TR	3/24/2022
RESISTIVITY SM 2510A	12	-	ohms x cm	AS	3/11/2022
SPECIFIC GRAVITY SM 2710F	1.211	-	-	TR	3/24/2022
SULFATE EPA 300.0	230	50	mg/L (PPM)	TR	3/14/2022
SULFIDE SM 4500S D	ND	1.0	mg/L (PPM)	KC	3/10/2022
TOTAL DISSOLVED SOLIDS EPA 160.1	320,000	5.0	mg/L (PPM)	TR	3/24/2022

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

