

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: FEDERATED OIL & GAS PROPERTIES

Name:

ClientProj: 160529

GTA ProjNo: 110521-6

Site Addr: SMITH 1-35B

Sampled By: LMH-J/ECT

Date Rec: 11/5/2021

Time Rec: 3:54 PM

Sample No. Sample ID
1 MW-2Date Sampled
11/5/2021

Time Sampled

Sample Matrix
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: FEDERATED OIL & GAS PROPERTIES
PROJECT NO: 160529
LOCATION: SMITH 1-35B
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 110521-6
GTA SAMPLE NO: 1
DATE SAMPLED: 11/5/2021
TIME SAMPLED:
DATE RECEIVED: 11/5/2021
TIME RECEIVED: 3:54 PM
SAMPLED BY: LMH-J/ECT

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		11/5/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

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METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CALCIUM TOTAL EPA 6020A	81	0.50	mg/L (PPM)	MR	11/9/2021	EPA 3005A
MAGNESIUM TOTAL EPA 6020A	20	0.50	mg/L (PPM)	MR	11/9/2021	EPA 3005A
POTASSIUM TOTAL EPA 6020A	6.0	0.50	mg/L (PPM)	MR	11/9/2021	EPA 3005A
SODIUM TOTAL EPA 6020A	16	0.50	mg/L (PPM)	MR	11/9/2021	EPA 3005A

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DISS = DISSOLVED

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SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
ALKALINITY SM 4500CO2D (BICARBONATE)	280	10	mg/L (PPM)	TR	11/10/2021
ALKALINITY SM 4500CO2D (CARBONATE)	ND	10	mg/L (PPM)	TR	11/10/2021
CHLORIDE EPA 300.0	28	10	mg/L (PPM)	TR	11/10/2021
CONDUCTIVITY SM2510-B	580	1.0	uS/cm@25C	TR	11/10/2021
SULFATE EPA 300.0	64	1.0	mg/L (PPM)	TR	11/10/2021

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LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

