



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: SUMMIT PETROLEUM
Name:
ClientProj: 2011704.05
GTA ProjNo: 092419-9

Site Addr: S. BUCKEYE WATERFLOOD UNIT

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 9/24/2019
Time Rec: 3:35 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	9/23/2019		WATER
2	MW-2	9/23/2019		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 L 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



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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.05
LOCATION: S. BUCKEYE WATERFLOOD UNIT
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1

GTA PROJECT NO: 092419-9
GTA SAMPLE NO: 1
DATE SAMPLED: 9/23/2019
TIME SAMPLED:
DATE RECEIVED: 9/24/2019
TIME RECEIVED: 3:35 PM
SAMPLED BY: JOSHUA GERRIE/GCES

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		9/25/2019	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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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.05
LOCATION: S. BUCKEYE WATERFLOOD UNIT
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 092419-9
GTA SAMPLE NO: 2
DATE SAMPLED: 9/23/2019
TIME SAMPLED:
DATE RECEIVED: 9/24/2019
TIME RECEIVED: 3:35 PM
SAMPLED BY: JOSHUA GERRIE/GCES

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		9/25/2019	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.

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.05
LOCATION: S. BUCKEYE WATERFLOOD UNIT

GTA PROJECT NO: 092419-9
GTA SAMPLE NO: 1

DATE SAMPLED: 9/23/2019
TIME SAMPLED:
DATE RECEIVED: 9/24/2019
TIME RECEIVED: 3:35 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-1						
	CHLORIDE EPA 300.0	3,800	500	mg/L (PPM)	LV	10/1/2019	WATER

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

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.05
LOCATION: S. BUCKEYE WATERFLOOD UNIT

GTA PROJECT NO: 092419-9
GTA SAMPLE NO: 2

DATE SAMPLED: 9/23/2019
TIME SAMPLED:
DATE RECEIVED: 9/24/2019
TIME RECEIVED: 3:35 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-2						
	CHLORIDE EPA 300.0	260	10	mg/L (PPM)	LV	10/1/2019	WATER

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LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

REQUESTED TAT ☒ **STANDARD** ☐ **1 BUSINESS DAY** ☐ **2 BUSINESS DAYS** ☐ **3 BUSINESS DAYS**