



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: 091718-8

Site Addr: S. BUCKEYE WATERFLOOD UNIT

Sampled By: JOSHUA GERRIE/GCES

Date Rec: 9/17/2018

Time Rec: 4:45 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	9/17/2018		WATER
2	MW-2	9/17/2018		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: SUMMIT PETROLEUM
PROJECT NO: 2011704.05
LOCATION: S. BUCKEYE WATERFLOOD UNIT
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1

GTA PROJECT NO: 091718-8
GTA SAMPLE NO: 1
DATE SAMPLED: 9/17/2018
TIME SAMPLED:
DATE RECEIVED: 9/17/2018
TIME RECEIVED: 4:45 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		9/18/2018	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: 091718-8
GTA SAMPLE NO: 2
DATE SAMPLED: 9/17/2018
TIME SAMPLED:
DATE RECEIVED: 9/17/2018
TIME RECEIVED: 4:45 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		9/18/2018	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: 091718-8
GTA SAMPLE NO: 1

DATE SAMPLED: 9/17/2018
TIME SAMPLED:
DATE RECEIVED: 9/17/2018
TIME RECEIVED: 4:45 PM

MI
SAMPLED BY: JOSHUA GERRIE/GCES

INORGANICS

<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	13,500	1,000	mg/L (PPM)	LV	9/21/2018	WATER

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.05
LOCATION: S. BUCKEYE WATERFLOOD UNIT
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 091718-8
GTA SAMPLE NO: 2
DATE SAMPLED: 9/17/2018
TIME SAMPLED:
DATE RECEIVED: 9/17/2018
TIME RECEIVED: 4:45 PM

INORGANICS

<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	257	2.5	mg/L (PPM)	LV	9/21/2018	WATER

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

