

**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: 2020704003.01

GTA ProjNo: 061120-16

Site Addr: SOUTH BUCKEYE WATERFLOOD UNIT

Sampled By: MAX KORNDORFER/GCES

Date Rec: 6/11/2020

Time Rec: 4:12 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SB-4 (2.5')	6/9/2020	10:30 AM	SOIL
2	SB-3 (2')	6/9/2020	10:45 AM	SOIL
3	SB-2 (2.5')	6/9/2020	11:05 AM	SOIL
4	SB-1 (2.5')	6/9/2020	11:20 AM	SOIL
5	MW-3	6/9/2020	12:40 PM	WATER
6	MW-4	6/9/2020	2:30 PM	WATER
7	MW-5	6/9/2020	1:45 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

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2020704003.01
LOCATION: SOUTH BUCKEYE WATERFLOOD UNIT
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 061120-16
GTA SAMPLE NO: 1
DATE SAMPLED: 6/9/2020
TIME SAMPLED: 10:30 AM
DATE RECEIVED: 6/11/2020
TIME RECEIVED: 4:12 PM

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: SB-4 (2.5')						
	CHLORIDE EPA 300.0	ND	110	mg/Kg (PPM)	LV	6/12/2020	SOIL

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

GTA PROJECT NO: 061120-16

PROJECT NO: 2020704003.01

GTA SAMPLE NO: 2

LOCATION: SOUTH BUCKEYE WATERFLOOD UNIT

DATE SAMPLED: 6/9/2020

TIME SAMPLED: 10:45 AM

DATE RECEIVED: 6/11/2020

TIME RECEIVED: 4:12 PM

MI

SAMPLED BY: MAX KORNDORFER/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: SB-3 (2')						
	CHLORIDE EPA 300.0	ND	110	mg/Kg (PPM)	LV	6/12/2020	SOIL

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2020704003.01
LOCATION: SOUTH BUCKEYE WATERFLOOD UNIT
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 061120-16
GTA SAMPLE NO: 3
DATE SAMPLED: 6/9/2020
TIME SAMPLED: 11:05 AM
DATE RECEIVED: 6/11/2020
TIME RECEIVED: 4:12 PM

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: SB-2 (2.5')						
	CHLORIDE EPA 300.0	ND	110	mg/Kg (PPM)	LV	6/12/2020	SOIL

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2020704003.01
LOCATION: SOUTH BUCKEYE WATERFLOOD UNIT
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 061120-16
GTA SAMPLE NO: 4
DATE SAMPLED: 6/9/2020
TIME SAMPLED: 11:20 AM
DATE RECEIVED: 6/11/2020
TIME RECEIVED: 4:12 PM

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: SB-1 (2.5')						
	CHLORIDE EPA 300.0	ND	110	mg/Kg (PPM)	LV	6/12/2020	SOIL

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PROJECT NO: 2020704003.01
LOCATION: SOUTH BUCKEYE WATERFLOOD UNIT
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 061120-16
GTA SAMPLE NO: 5
DATE SAMPLED: 6/9/2020
TIME SAMPLED: 12:40 PM
DATE RECEIVED: 6/11/2020
TIME RECEIVED: 4:12 PM

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-3							
CHLORIDE EPA 300.0		1,600	100	mg/L (PPM)	LV	6/11/2020	WATER

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COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 061120-16

PROJECT NO: 2020704003.01

GTA SAMPLE NO: 6

LOCATION: SOUTH BUCKEYE WATERFLOOD UNIT

DATE SAMPLED: 6/9/2020

TIME SAMPLED: 2:30 PM

DATE RECEIVED: 6/11/2020

TIME RECEIVED: 4:12 PM

MI

SAMPLED BY: MAX KORNDORFER/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-4							
CHLORIDE EPA 300.0		450	10	mg/L (PPM)	LV	6/11/2020	WATER

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PROJECT NO: 2020704003.01
LOCATION: SOUTH BUCKEYE WATERFLOOD UNIT
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 061120-16
GTA SAMPLE NO: 7
DATE SAMPLED: 6/9/2020
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 6/11/2020
TIME RECEIVED: 4:12 PM

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-5 CHLORIDE EPA 300.0	22	10	mg/L (PPM)	LV	6/11/2020	WATER

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COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 061120-

NAME:

SAMPLED BY: MAX KORNDORFER/GCES

PROJECT NO: 2020704003.01

DATE SAMPLED: 6/9/2020

TIME SAMPLED: 10:30 AM

LOCATION: SOUTH BUCKEYE WATERFLOOD UNIT

SAMPLE MATRIX: SOIL

DATE RECEIVED: 6/11/2020

TIME RECEIVED: 4:12 PM

MI

MOISTURE

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
SAMPLE ID: SB-4 (2.5')	% MOISTURE EPA 3550C	10	0.050	% OF SAMPLE	AS	6/11/2020
SAMPLE ID: SB-3 (2')	% MOISTURE EPA 3550C	13	0.050	% OF SAMPLE	AS	6/11/2020
SAMPLE ID: SB-2 (2.5')	% MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	6/11/2020
SAMPLE ID: SB-1 (2.5')	% MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	6/11/2020

CHAIN OF CUSTODY

PROJECT NUMBER 2020704003 01	SITE NAME/ADDRESS South Buckeye Waterflood Unit	COMPANY/NAME Summit Petroleum
SAMPLED BY M. Hunderfor	COMPANY GCS	GTA PROJECT # 06/11/20-16

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	SB-4 (2.5')	6-9-2020	10:30	Soil	Chloride
2	SB-3 (2')	6-9-2020	10:45	Soil	Chloride
3	SB-2 (2.5')	6-9-2020	11:05	Soil	Chloride
4	SB-1 (2.5')	6-9-2020	11:20	Soil	Chloride
5	MW-3	6-9-2020	12:40	GW	Chloride
6	MW-4	6-9-2020	1:30	GW	Chloride
7	MW-5	6-9-2020	1:45	GW	Chloride

BILL TO:

Summit Petroleum

REPORT TO:

Eric Vincke (GCS)
Dan Nida (Summit)

RELEASED BY

DATE/TIME

B. Roper

6/11/20 4:12

RECEIVED BY

DATE/TIME

AEY

6/11/20 4:12

REQUESTED TAT

☒ STANDARD

☐ 1 BUSINESS DAY

☐ 2 BUSINESS DAYS

☐ 3 BUSINESS DAYS