



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: 2011704.04
GTA ProjNo: 092619-15

Site Addr: COLDWATER BIOCELL

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 9/26/2019
Time Rec: 4:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3	9/25/2019		WATER
2	BW-1	9/25/2019		WATER
3	SS-1	9/25/2019		SOIL
4	SS-2	9/25/2019		SOIL
5	SS-3	9/25/2019		SOIL

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
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COMPANY:	SUMMIT PETROLEUM	GTA PROJECT NO:	092619-15
PROJECT NO:	2011704.04	GTA SAMPLE NO:	1
LOCATION:	COLDWATER BIOCELL	DATE SAMPLED:	9/25/2019
		TIME SAMPLED:	
		DATE RECEIVED:	9/26/2019
	MI	TIME RECEIVED:	4:30 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-3	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		9/30/2019	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

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

MI

SAMPLE MATRIX: WATER
SAMPLE ID: BW-1

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 2

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		9/30/2019	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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LOD = LIMIT OF DETECTION

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-1

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 3

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	9/25/2019	9/27/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-2

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 4

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	9/25/2019	9/27/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-3

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 5

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	9/25/2019	9/27/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 1

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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-3						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/10/2019	WATER

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 2

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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: BW-1						
	CHLORIDE EPA 300.0	370	20	mg/L (PPM)	LV	10/10/2019	WATER

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 3

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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: SS-1						
	CHLORIDE EPA 300.0	770	56	mg/Kg (PPM)	LV	10/10/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 4

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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: SS-2						
	CHLORIDE EPA 300.0	ND	54	mg/Kg (PPM)	LV	10/10/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 092619-15
GTA SAMPLE NO: 5

DATE SAMPLED: 9/25/2019
TIME SAMPLED:
DATE RECEIVED: 9/26/2019
TIME RECEIVED: 4:30 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: SS-3						
	CHLORIDE EPA 300.0	290	62	mg/Kg (PPM)	LV	10/10/2019	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

NAME:

PROJECT NO: 2011704.04

LOCATION: COLDWATER BIOCELL

MI

GTA PROJECT NO: 092619-

SAMPLED BY: JOSHUA GERRIE/GCES

DATE SAMPLED: 9/25/2019

TIME SAMPLED:

SAMPLE MATRIX: SOIL

DATE RECEIVED: 9/26/2019

TIME RECEIVED: 4:30 PM

MOISTURE**No: Analysis**

SAMPLE ID: SS-1

% MOISTURE EPA 3550C

SAMPLE ID: SS-2

% MOISTURE EPA 3550C

SAMPLE ID: SS-3

% MOISTURE EPA 3550C

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
11	0.050	% OF SAMPLE	AS	9/26/2019
8.7	0.050	% OF SAMPLE	AS	9/26/2019
21	0.050	% OF SAMPLE	AS	9/26/2019

CHAIN OF CUSTODY

PROJECT NUMBER 2011704.04	SITE NAME/ADDRESS Coldwater Biocell	COMPANY/NAME Summit Petroleum
SAMPLED BY Joshua Gervie	COMPANY Gosling Ccback	GTA PROJECT # 092619-15

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-3	9-25-19		GW	BTEX + Chloride
2	BW-1			↓	
3	SS-1			Soil	
4	SS-2			↓	
5	SS-3			↓	

BILL TO:

REPORT TO:

Summit Petroleum

Don Conway - GCES
Dan Nida - Summit Petroleum

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 9-26-19/1630

[Signature] 9/26/19 1630 REC 4.00

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