

**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: 101118-12

Site Addr: COLDWATER BIOCELL

Sampled By: DAN NIDA/SUMMIT
Date Rec: 10/11/2018
Time Rec: 11:30 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SS-1	10/9/2018		SOIL
2	SS-2	10/9/2018		SOIL
3	SS-3	10/9/2018		SOIL
4	BW-1	10/9/2018		WATER
5	MW-1	10/9/2018		WATER
6	MW-2	10/9/2018		WATER
7	MW-3	10/9/2018		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

Kirk L. Chase/Chemist
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830 Robinwood Court
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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-1

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 1

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

SAMPLED BY: DAN NIDA/SUMMIT

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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		10/9/2018	10/14/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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-2

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 2

DATE SAMPLED: 10/9/2018
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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	10/9/2018	10/14/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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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-3

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 3

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
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SAMPLED BY: DAN NIDA/SUMMIT

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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	10/9/2018	10/14/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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

MI

SAMPLE MATRIX: WATER
SAMPLE ID: BW-1

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 4

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

SAMPLED BY: DAN NIDA/SUMMIT

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		10/12/2018	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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: WATER
SAMPLE ID: MW-1

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 5

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

SAMPLED BY: DAN NIDA/SUMMIT

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		10/12/2018	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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LOD = LIMIT OF DETECTION

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

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 6

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

SAMPLED BY: DAN NIDA/SUMMIT

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		10/12/2018	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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: WATER
SAMPLE ID: MW-3

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 7

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

SAMPLED BY: DAN NIDA/SUMMIT

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		10/12/2018	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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LOD = LIMIT OF DETECTION



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

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 1

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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: SS-1						
	CHLORIDE EPA 300.0	969	34	mg/Kg (PPM)	LV	10/23/2018	SOIL

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

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

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 2

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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: SS-2						
	CHLORIDE EPA 300.0	395	28	mg/Kg (PPM)	LV	10/23/2018	SOIL

ND = NOT DETECTED, RESULT < LOD
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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 3

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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: SS-3						
	CHLORIDE EPA 300.0	603	31	mg/Kg (PPM)	LV	10/23/2018	SOIL

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

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

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 4

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

SAMPLED BY: MI
DAN NIDA/SUMMIT

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: BW-1							
CHLORIDE EPA 300.0		295	2.5	mg/L (PPM)	LV	10/23/2018	WATER

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

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

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 5

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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	101	2.5	mg/L (PPM)	LV	10/23/2018	WATER

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

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 6

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
TIME RECEIVED: 11:30 AM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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	74.1	2.5	mg/L (PPM)	LV	10/23/2018	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: COLDWATER BIOCELL

GTA PROJECT NO: 101118-12
GTA SAMPLE NO: 7

DATE SAMPLED: 10/9/2018
TIME SAMPLED:
DATE RECEIVED: 10/11/2018
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MI
SAMPLED BY: DAN NIDA/SUMMIT

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-3						
	CHLORIDE EPA 300.0	ND	2.5	mg/L (PPM)	LV	10/23/2018	WATER

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COMPANY: SUMMIT PETROLEUM

NAME:

PROJECT NO: 2011704.04

LOCATION: COLDWATER BIOCELL

MI

GTA PROJECT NO: 101118-

SAMPLED BY: DAN NIDA/SUMMIT

DATE SAMPLED: 10/9/2018

TIME SAMPLED:

SAMPLE MATRIX: SOIL

DATE RECEIVED: 10/11/2018

TIME RECEIVED: 11:30 AM

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: SS-1	% MOISTURE EPA 3550C	27	0.050	% OF SAMPLE	AS	10/11/2018
SAMPLE ID: SS-2	% MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	10/11/2018
SAMPLE ID: SS-3	% MOISTURE EPA 3550C	23	0.050	% OF SAMPLE	AS	10/11/2018



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