

**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: 091918-16

Site Addr: ST. HELEN UNIT BIOCELL

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 9/19/2018
Time Rec: 4:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	9/18/2018		WATER
2	MW-NORTH	9/18/2018		WATER
3	MW-WEST	9/18/2018		WATER
4	BW-1	9/18/2018		WATER
5	SS-1	9/18/2018		SOIL
6	SS-2	9/18/2018		SOIL
7	SS-3	9/18/2018		SOIL
8	SS-4	9/18/2018		SOIL
9	SS-5	9/18/2018		SOIL
10	SS-6	9/18/2018		SOIL
11	SS-7	9/18/2018		SOIL
12	SS-8	9/18/2018		SOIL
13	SS-9	9/18/2018		SOIL
14	SS-10	9/18/2018		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 Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-1

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 1

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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		9/21/2018	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: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-NORTH

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 2

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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		9/21/2018	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-WEST

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 3
DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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		9/21/2018	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: WATER
SAMPLE ID: BW-1

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 4

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

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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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		9/21/2018	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-1

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 5

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

SAMPLED BY: JOSHUA GERRIE/GCES

**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	9/18/2018	9/20/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-2

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 6

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

SAMPLED BY: JOSHUA GERRIE/GCES

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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	9/18/2018	9/20/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-3

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 7

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

SAMPLED BY: JOSHUA GERRIE/GCES

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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	9/18/2018	9/20/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-4

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 8

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

SAMPLED BY: JOSHUA GERRIE/GCES

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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	9/18/2018	9/20/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-5

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 9

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

SAMPLED BY: JOSHUA GERRIE/GCES

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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>
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Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-6

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 10

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

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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>
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Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-7

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 11

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

SAMPLED BY: JOSHUA GERRIE/GCES

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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	9/18/2018	9/20/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-8

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 12

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

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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>
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Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 13

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-9

SAMPLED BY: JOSHUA GERRIE/GCES

**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	9/18/2018	9/20/2018	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SS-10

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 14

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 PM

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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>
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Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					

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COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 1

DATE SAMPLED: 9/18/2018
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DATE RECEIVED: 9/19/2018
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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	ND	2.5	mg/L (PPM)	KC	9/29/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 2

DATE SAMPLED: 9/18/2018
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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-NORTH						
	CHLORIDE EPA 300.0	41.5	2.5	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 3

DATE SAMPLED: 9/18/2018
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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-WEST CHLORIDE EPA 300.0	55.6	2.5	mg/L (PPM)	KC	9/29/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 4

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: BW-1							
CHLORIDE EPA 300.0		97.4	10	mg/L (PPM)	KC	9/29/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 5

DATE SAMPLED: 9/18/2018
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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: SS-1 CHLORIDE EPA 300.0	ND	27	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 6

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
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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: SS-2 CHLORIDE EPA 300.0	ND	25	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 7

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: SS-3						
	CHLORIDE EPA 300.0	ND	26	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 8

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: SS-4						
	CHLORIDE EPA 300.0	ND	27	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 9

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: SS-5							
CHLORIDE EPA 300.0		ND	26	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 10

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: SS-6							
CHLORIDE EPA 300.0		ND	25	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 11

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: SS-7						
	CHLORIDE EPA 300.0	ND	25	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 12

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: SS-8						
	CHLORIDE EPA 300.0	ND	26	mg/Kg (PPM)	KC	9/26/2018	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: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 13

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: SS-9						
	CHLORIDE EPA 300.0	ND	26	mg/Kg (PPM)	KC	9/26/2018	SOIL

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



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: SUMMIT PETROLEUM
PROJECT NO: 2011704.04
LOCATION: ST. HELEN UNIT BIOCELL

GTA PROJECT NO: 091918-16
GTA SAMPLE NO: 14

DATE SAMPLED: 9/18/2018
TIME SAMPLED:
DATE RECEIVED: 9/19/2018
TIME RECEIVED: 4:00 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: SS-10						
	CHLORIDE EPA 300.0	46	26	mg/Kg (PPM)	KC	9/26/2018	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: 091918-

NAME:

SAMPLED BY: JOSHUA GERRIE/GCES

PROJECT NO: 2011704.04

DATE SAMPLED: 9/18/2018

TIME SAMPLED:

LOCATION: ST. HELEN UNIT BIOCELL

SAMPLE MATRIX: SOIL

DATE RECEIVED: 9/19/2018

TIME RECEIVED: 4:00 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: SS-1	% MOISTURE EPA 3550C	8.8	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-2	% MOISTURE EPA 3550C	1.8	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-3	% MOISTURE EPA 3550C	3.6	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-4	% MOISTURE EPA 3550C	6.6	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-5	% MOISTURE EPA 3550C	5.8	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-6	% MOISTURE EPA 3550C	2.3	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-7	% MOISTURE EPA 3550C	3.1	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-8	% MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-9	% MOISTURE EPA 3550C	4.5	0.050	% OF SAMPLE	AS	9/19/2018
SAMPLE ID: SS-10	% MOISTURE EPA 3550C	4.5	0.050	% OF SAMPLE	AS	9/19/2018

CHAIN OF CUSTODY

PROJECT NUMBER 2011704.04	SITE NAME/ADDRESS St. Helen Unit Biocell	COMPANY/NAME Summit Petroleum
SAMPLED BY Joshua Gervie	COMPANY Gosling Czechak	GTA PROJECT # 091918-16

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	9-18-18		GW	BTEX & Chloride
2	MW-North				
3	MW-West				
4	BW-1			↓	
5	SS-1			Soil	
6	SS-2				
7	SS-3				
8	SS-4				
9	SS-5				
10	SS-6				
11	SS-7				
12	SS-8				
13	SS-9				
14	SS-10				
		↓		↓	↓

BILL TO:

Summit Petroleum

REPORT TO:

Scott Huber-Summit Petroleum
Don Conway-GCES

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

9-19-18/1600

9/19/18 1600
rec col

REQUESTED TAT

☒ **STANDARD**

☐ **1 BUSINESS DAY**

☐ **2 BUSINESS DAYS**

☐ **3 BUSINESS DAYS**