

**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:

Site Addr: MARY LOMP #1

GTA ProjNo: 120420-8

Sampled By: J. PARKER/SS
Date Rec: 12/4/2020
Time Rec: 12:20 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	12/2/2020	5:45 PM	WATER
2	MW-2	12/2/2020	5:20 PM	WATER
3	MW-3	12/2/2020	5:32 PM	WATER
4	MW-4	12/2/2020	5:59 PM	WATER
5	MW-5S	12/2/2020	4:38 PM	WATER
6	MW-5D	12/2/2020	4:51 PM	WATER
7	MW-6	12/2/2020	5:09 PM	WATER
8	MW-7D	12/2/2020	6:17 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
kirk@gtanalytical.com

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 1

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:45 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-1

SAMPLED BY: J. PARKER/SS

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		12/6/2020	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 2

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:20 PM

MI

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-2

SAMPLED BY: J. PARKER/SS

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		12/6/2020	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 3

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:32 PM

MI

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-3

SAMPLED BY: J. PARKER/SS

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		12/7/2020	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

GTA SAMPLE NO: 4

PROJECT NO:

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:59 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4

SAMPLED BY: J. PARKER/SS

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		12/7/2020	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 5

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 4:38 PM

MI

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-5S

SAMPLED BY: J. PARKER/SS

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		12/7/2020	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

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 6

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 4:51 PM

MI

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-5D

SAMPLED BY: J. PARKER/SS

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		12/7/2020	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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COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 7

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:09 PM

MI

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-6

SAMPLED BY: J. PARKER/SS

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		12/7/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	2.8	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

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 8

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 6:17 PM

MI

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-7D

SAMPLED BY: J. PARKER/SS

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		12/7/2020	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

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FAX: 231-929-0894

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COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

GTA SAMPLE NO: 1

PROJECT NO:

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:45 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLED BY: J. PARKER/SS

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-1

CHLORIDE EPA 300.0

Concentration

48

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

12/8/2020

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 2

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:20 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLED BY: J. PARKER/SS

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-2

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

ND

10

mg/L (PPM)

LV

12/8/2020

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 3

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:32 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLED BY: J. PARKER/SS

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-3

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

71

10

mg/L (PPM)

LV

12/8/2020

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 4

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:59 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLED BY: J. PARKER/SS

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-4

CHLORIDE EPA 300.0

Concentration

19

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

12/8/2020

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 5

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 4:38 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLED BY: J. PARKER/SS

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-5S

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

ND

10

mg/L (PPM)

LV

12/8/2020

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 6

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 4:51 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLED BY: J. PARKER/SS

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-5D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

18

10

mg/L (PPM)

LV

12/8/2020

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

PROJECT NO:

GTA SAMPLE NO: 7

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 5:09 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLED BY: J. PARKER/SS

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-6

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

ND

10

mg/L (PPM)

LV

12/8/2020

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 120420-8

GTA SAMPLE NO: 8

PROJECT NO:

LOCATION: MARY LOMP #1

DATE SAMPLED: 12/2/2020

TIME SAMPLED: 6:17 PM

DATE RECEIVED: 12/4/2020

TIME RECEIVED: 12:20 PM

MI

SAMPLED BY: J. PARKER/SS

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-7D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
28	10	mg/L (PPM)	LV	12/8/2020	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Mary Lamp #1	Summit / Miller
SAMPLED BY	COMPANY	GTA PROJECT #
J Parker	Sample serve	120420-8

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	12-2-20	1745	GW	BTEX+4 and Chlorides
2	MW-2		1720	GW	
3	MW-3		1732	GW	
4	MW-4		1759	GW	
5	MW-5S		1638	GW	
6	MW-5D		1651	GW	
7	MW-6		1709	GW	
8	MW-7D		1817	GW	

BILL TO: Dan Mida

Summit / Miller Energy Inc

REPORT TO:

Dmida@miller-energy.com

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
JP	1220	K. Ch	12/4/20 12:20

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