

**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: HOWARD RD PART 3

GTA ProjNo: 100319-7

Sampled By: DAN NIDA/SUMMIT
Date Rec: 10/3/2019
Time Rec: 4:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SS-1 BOTTOM	10/3/2019		SOIL
2	SS-2 BOTTOM	10/3/2019		SOIL
3	SS-3 WALL	10/3/2019		SOIL
4	SS-4 WALL	10/3/2019		SOIL
5	SS-5 WALL	10/3/2019		SOIL
6	SS-6 WALL	10/3/2019		SOIL
7	SS-7 WALL	10/3/2019		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
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

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COMPANY: SUMMIT PETROLEUM

PROJECT NO:

LOCATION: HOWARD RD PART 3

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-1 BOTTOM

GTA PROJECT NO: 100319-7

GTA SAMPLE NO: 1

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

DATE RECEIVED: 10/3/2019

TIME RECEIVED: 4:30 PM

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		10/3/2019	10/5/2019	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

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PROJECT NO:

LOCATION: HOWARD RD PART 3

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-2 BOTTOM

GTA PROJECT NO: 100319-7

GTA SAMPLE NO: 2

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

DATE RECEIVED: 10/3/2019

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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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PROJECT NO:

LOCATION: HOWARD RD PART 3

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-3 WALL

GTA PROJECT NO: 100319-7

GTA SAMPLE NO: 3

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

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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:

LOCATION: HOWARD RD PART 3

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-4 WALL

GTA PROJECT NO: 100319-7

GTA SAMPLE NO: 4

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

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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:

LOCATION: HOWARD RD PART 3

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-5 WALL

GTA PROJECT NO: 100319-7

GTA SAMPLE NO: 5

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

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Benzene	ND	50	ug/Kg (PPB) MR		10/3/2019	10/5/2019	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.

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COMPANY: SUMMIT PETROLEUM

PROJECT NO:

LOCATION: HOWARD RD PART 3

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-6 WALL

GTA PROJECT NO: 100319-7

GTA SAMPLE NO: 6

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

DATE RECEIVED: 10/3/2019

TIME RECEIVED: 4:30 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>
Benzene	ND	50	ug/Kg (PPB) MR		10/3/2019	10/5/2019	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:

LOCATION: HOWARD RD PART 3

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SS-7 WALL

GTA PROJECT NO: 100319-7

GTA SAMPLE NO: 7

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

DATE RECEIVED: 10/3/2019

TIME RECEIVED: 4:30 PM

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		10/3/2019	10/5/2019	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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PROJECT NO:

LOCATION: HOWARD RD PART 3

MI
SAMPLED BY: DAN NIDA/SUMMIT

GTA PROJECT NO: 100319-7

GTA SAMPLE NO: 1

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

DATE RECEIVED: 10/3/2019

TIME RECEIVED: 4:30 PM

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: SS-1 BOTTOM

CHLORIDE EPA 300.0

Concentration

950

LOD

63

Units

mg/Kg (PPM) LV

Analyst

LV

Date

10/8/2019

Sample

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
PROJECT NO:
LOCATION: HOWARD RD PART 3

GTA PROJECT NO: 100319-7
GTA SAMPLE NO: 2

DATE SAMPLED: 10/3/2019
TIME SAMPLED:
DATE RECEIVED: 10/3/2019
TIME RECEIVED: 4:30 PM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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 BOTTOM CHLORIDE EPA 300.0	590	64	mg/Kg (PPM)	LV	10/8/2019	SOIL

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LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD PART 3

GTA PROJECT NO: 100319-7
GTA SAMPLE NO: 3

DATE SAMPLED: 10/3/2019
TIME SAMPLED:
DATE RECEIVED: 10/3/2019
TIME RECEIVED: 4:30 PM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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 WALL CHLORIDE EPA 300.0	190	60	mg/Kg (PPM)	LV	10/8/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD PART 3

GTA PROJECT NO: 100319-7
GTA SAMPLE NO: 4

DATE SAMPLED: 10/3/2019
TIME SAMPLED:
DATE RECEIVED: 10/3/2019
TIME RECEIVED: 4:30 PM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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-4 WALL CHLORIDE EPA 300.0	350	56	mg/Kg (PPM)	LV	10/8/2019	SOIL

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COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD PART 3

GTA PROJECT NO: 100319-7
GTA SAMPLE NO: 5

DATE SAMPLED: 10/3/2019
TIME SAMPLED:
DATE RECEIVED: 10/3/2019
TIME RECEIVED: 4:30 PM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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-5 WALL CHLORIDE EPA 300.0	ND	63	mg/Kg (PPM)	LV	10/8/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD PART 3

GTA PROJECT NO: 100319-7
GTA SAMPLE NO: 6

DATE SAMPLED: 10/3/2019
TIME SAMPLED:
DATE RECEIVED: 10/3/2019
TIME RECEIVED: 4:30 PM

MI
SAMPLED BY: DAN NIDA/SUMMIT

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-6 WALL CHLORIDE EPA 300.0	1,800	67	mg/Kg (PPM)	LV	10/8/2019	SOIL

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COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD PART 3

GTA PROJECT NO: 100319-7
GTA SAMPLE NO: 7

DATE SAMPLED: 10/3/2019
TIME SAMPLED:
DATE RECEIVED: 10/3/2019
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MI
SAMPLED BY: DAN NIDA/SUMMIT

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-7 WALL CHLORIDE EPA 300.0	320	69	mg/Kg (PPM)	LV	10/8/2019	SOIL

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GTA PROJECT NO: 100319-7

NAME:
PROJECT NO:

SAMPLED BY: DAN NIDA/SUMMIT

DATE SAMPLED: 10/3/2019

TIME SAMPLED:

SAMPLE MATRIX: SOIL

LOCATION: HOWARD RD PART 3

DATE RECEIVED: 10/3/2019

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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 BOTTOM					
	% MOISTURE EPA 3550C	21	0.050	% OF SAMPLE	AS	10/3/2019
	SAMPLE ID: SS-2 BOTTOM					
	% MOISTURE EPA 3550C	23	0.050	% OF SAMPLE	AS	10/3/2019
	SAMPLE ID: SS-3 WALL					
	% MOISTURE EPA 3550C	20	0.050	% OF SAMPLE	AS	10/3/2019
	SAMPLE ID: SS-4 WALL					
	% MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	10/3/2019
	SAMPLE ID: SS-5 WALL					
	% MOISTURE EPA 3550C	22	0.050	% OF SAMPLE	AS	10/3/2019
	SAMPLE ID: SS-6 WALL					
	% MOISTURE EPA 3550C	28	0.050	% OF SAMPLE	AS	10/3/2019
	SAMPLE ID: SS-7 WALL					
	% MOISTURE EPA 3550C	28	0.050	% OF SAMPLE	AS	10/3/2019

