



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 RELEASE (PART 2)

GTA ProjNo: 091819-7

Sampled By: DAN NIDA/SUMMIT
Date Rec: 9/18/2019
Time Rec: 4:35 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SS-1	9/18/2019		SOIL
2	SS-2	9/18/2019		SOIL
3	SS-3	9/18/2019		SOIL
4	SS-4	9/18/2019		SOIL
5	SS-5	9/18/2019		SOIL
6	SS-6	9/18/2019		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
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COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)

MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-1

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 1
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 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		9/18/2019	9/19/2019	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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COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)

MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-2

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 2
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
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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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COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)

MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-3

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 3
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 PM

SAMPLED BY: DAN NIDA/SUMMIT

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<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		9/18/2019	9/19/2019	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 RELEASE (PART 2)

MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-4

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 4
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
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Benzene	ND	50	ug/Kg (PPB) MR	MR	9/18/2019	9/19/2019	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 RELEASE (PART 2)

MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-5

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 5
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 PM

SAMPLED BY: DAN NIDA/SUMMIT

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<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		9/18/2019	9/19/2019	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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LOD = LIMIT OF DETECTION

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)

MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-6

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 6
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 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	9/18/2019	9/19/2019	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

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)
MI
SAMPLED BY: DAN NIDA/SUMMIT

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 1
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 PM

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	2,600	63	mg/Kg (PPM)	LV	9/24/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)
MI
SAMPLED BY: DAN NIDA/SUMMIT

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 2
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 PM

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	55	mg/Kg (PPM)	LV	9/24/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)
MI
SAMPLED BY: DAN NIDA/SUMMIT

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 3
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 PM

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		250	53	mg/Kg (PPM)	LV	9/24/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)
MI
SAMPLED BY: DAN NIDA/SUMMIT

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 4
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 PM

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							
CHLORIDE EPA 300.0		ND	54	mg/Kg (PPM)	LV	9/24/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)
MI
SAMPLED BY: DAN NIDA/SUMMIT

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 5
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 PM

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						
	CHLORIDE EPA 300.0	ND	56	mg/Kg (PPM)	LV	9/24/2019	SOIL

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

COMPANY: SUMMIT PETROLEUM
PROJECT NO:
LOCATION: HOWARD RD RELEASE (PART 2)
MI
SAMPLED BY: DAN NIDA/SUMMIT

GTA PROJECT NO: 091819-7
GTA SAMPLE NO: 6
DATE SAMPLED: 9/18/2019
TIME SAMPLED:
DATE RECEIVED: 9/18/2019
TIME RECEIVED: 4:35 PM

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						
	CHLORIDE EPA 300.0	1,700	66	mg/Kg (PPM)	LV	9/24/2019	SOIL

ND = NOT DETECTED, RESULT < LOD
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COMPANY: SUMMIT PETROLEUM

GTA PROJECT NO: 091819-7

NAME:

SAMPLED BY: DAN NIDA/SUMMIT

PROJECT NO:

DATE SAMPLED: 9/18/2019

TIME SAMPLED:

LOCATION: HOWARD RD RELEASE (PART 2)

SAMPLE MATRIX: SOIL

DATE RECEIVED: 9/18/2019

TIME RECEIVED: 4:35 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	22	0.050	% OF SAMPLE	AS	9/18/2019
SAMPLE ID: SS-2	% MOISTURE EPA 3550C	10	0.050	% OF SAMPLE	AS	9/18/2019
SAMPLE ID: SS-3	% MOISTURE EPA 3550C	8.8	0.050	% OF SAMPLE	AS	9/18/2019
SAMPLE ID: SS-4	% MOISTURE EPA 3550C	8.7	0.050	% OF SAMPLE	AS	9/18/2019
SAMPLE ID: SS-5	% MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	9/18/2019
SAMPLE ID: SS-6	% MOISTURE EPA 3550C	27	0.050	% OF SAMPLE	AS	9/18/2019

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Howard Rd Release (Part 2)	Summit
SAMPLED BY	COMPANY	GTA PROJECT #
Dan Nida	Summit	091819-7

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	SS-1	9/18/19		Soil	BTEX + 4 + Cl ⁻
2	SS-2				
3	SS-3				
4	SS-4				
5	SS-5				
6	SS-6				

BILL TO:

Summit

REPORT TO:

Dan Nida
Don Conway

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Daniel Nida	9/18/19 @ 4:35	ASV	9/18/19 4:35

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