



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: IRONWOOD OIL COMPANY
Name:
ClientProj: 2001066.50
GTA ProjNo: 102519-14

Site Addr: HOLIDAY STATION STORE #255

Sampled By: PETER KALLIOINEN/GCES
Date Rec: 10/25/2019
Time Rec: 1:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SB-15 (8')	10/24/2019	8:22 AM	SOIL
2	SB-15 (13')	10/24/2019	8:33 AM	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
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COMPANY: IRONWOOD OIL COMPANY
PROJECT NO: 2001066.50
LOCATION: HOLIDAY STATION STORE #255
MI
SAMPLED BY: PETER KALLIOINEN/GCES
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 102519-14
GTA SAMPLE NO: 1
DATE SAMPLED: 10/24/2019
TIME SAMPLED: 8:22 AM
DATE RECEIVED: 10/25/2019
TIME RECEIVED: 1:40 PM
SAMPLE ID: SB-15 (8')

**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	10/24/2019	10/29/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT
ND = NOT DETECTED, RESULTS < LOD.
LOD = LIMIT OF DETECTION



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 PROJECT NO: 2001066.50
 LOCATION: HOLIDAY STATION STORE #255
 MI
 SAMPLED BY: PETER KALLIOINEN/GCES
 SAMPLE MATRIX: SOIL

GTA PROJECT NO: 102519-14
 GTA SAMPLE NO: 2
 DATE SAMPLED: 10/24/2019
 TIME SAMPLED: 8:33 AM
 DATE RECEIVED: 10/25/2019
 TIME RECEIVED: 1:40 PM
 SAMPLE ID: SB-15 (13')

**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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
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Xylene(Total)	ND	150					
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 PROJECT NO: 2001066.50
 LOCATION: HOLIDAY STATION STORE #255
 MI
 SAMPLED BY: PETER KALLIOINEN/GCES
 SOIL
 SAMPLE ID: SB-15 (8')

GTA PROJECT NO: 102519-14
 GTA SAMPLE NO: 1
 DATE SAMPLED: 10/24/2019
 TIME SAMPLED: 8:22 AM
 DATE RECEIVED: 10/25/2019
 TIME RECEIVED: 1:40 PM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	10/28/2019	10/30/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 2001066.50
 LOCATION: HOLIDAY STATION STORE #255

GTA PROJECT NO: 102519-14
 GTA SAMPLE NO: 2

DATE SAMPLED: 10/24/2019
 TIME SAMPLED: 8:33 AM

SAMPLED BY: MI
 PETER KALLIOINEN/GCES

DATE RECEIVED: 10/25/2019
 TIME RECEIVED: 1:40 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: SB-15 (13')

PNA EPA 8270D (SIM)

<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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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: SB-15 (8')	% MOISTURE EPA 3550C	5.0	0.050	% OF	AS	10/25/2019
SAMPLE ID: SB-15 (13')	% MOISTURE EPA 3550C	3.1	0.050	% OF	AS	10/25/2019

