



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: 96066.02
GTA ProjNo: 100120-4

Site Addr: HOLIDAY STATION #204
ST. IGNACE
Sampled By: JOSHUA GERRIE/GCES
Date Rec: 10/1/2020
Time Rec: 8:50 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	9/30/2020		WATER
2	MW-3	9/30/2020		WATER
3	MW-4	9/30/2020		WATER
4	MW-5	9/30/2020		WATER
5	MW-6	9/30/2020		WATER
6	MW-8	9/30/2020		WATER
7	MW-9	9/30/2020		WATER
8	MW-10S	9/30/2020		WATER
9	MW-10D	9/30/2020		WATER
10	MW-11	9/30/2020		WATER
11	MW-14A	9/30/2020		WATER
12	MW-14B	9/30/2020		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
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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-1

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 1
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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	730	50	ug/L (PPB)	MR		10/4/2020	EPA 5030B
Toluene	270	50					
Ethylbenzene	630	50					
Xylene(Total)	3,100	150					
1,2,4-Trimethylbenzene	1,600	50					
1,3,5-Trimethylbenzene	370	50					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	560	120					
2-Methylnaphthalene	490	120					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-3

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 2
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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		10/4/2020	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-4

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 3
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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	4.6	1.0	ug/L (PPB)	MR		10/4/2020	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-5

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 4
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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	42	1.0	ug/L (PPB)	MR		10/4/2020	EPA 5030B
Toluene	3.8	1.0					
Ethylbenzene	19	1.0					
Xylene(Total)	130	21					
1,2,4-Trimethylbenzene	22	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	110	5.0					
2-Methylnaphthalene	53	5.0					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-6

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 5
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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	3.0	1.0	ug/L (PPB)	MR		10/4/2020	EPA 5030B
Toluene	7.7	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	27	3.0					
1,2,4-Trimethylbenzene	2.6	1.0					
1,3,5-Trimethylbenzene	2.2	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-8

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 6
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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		10/4/2020	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-9

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 7
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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		10/4/2020	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					
Methyl-t-Butyl Ether	8.6	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-10S

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 8
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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		10/4/2020	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-10D

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 9
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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	270	25	ug/L (PPB)	MR		10/4/2020	EPA 5030B
Toluene	13	1.0					
Ethylbenzene	380	25					
Xylene(Total)	660	51					
1,2,4-Trimethylbenzene	670	25					
1,3,5-Trimethylbenzene	12	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	470	62					
2-Methylnaphthalene	330	62					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-11

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 10
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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		10/4/2020	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					
Methyl-t-Butyl Ether	12	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: IRONWOOD OIL COMPANY
PROJECT NO: 96066.02
LOCATION: HOLIDAY STATION #204
ST. IGNACE
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-14A

GTA PROJECT NO: 100120-4
GTA SAMPLE NO: 11
DATE SAMPLED: 9/30/2020
TIME SAMPLED:
DATE RECEIVED: 10/1/2020
TIME RECEIVED: 8:50 AM

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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		10/3/2020	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: IRONWOOD OIL COMPANY
 PROJECT NO: 96066.02
 LOCATION: HOLIDAY STATION #204
 ST. IGNACE
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-14B

GTA PROJECT NO: 100120-4
 GTA SAMPLE NO: 12
 DATE SAMPLED: 9/30/2020
 TIME SAMPLED:
 DATE RECEIVED: 10/1/2020
 TIME RECEIVED: 8:50 AM

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		10/4/2020	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					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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CHAIN OF CUSTODY

PROJECT NUMBER <i>960606.02</i>	SITE NAME/ADDRESS <i>Holiday Station #204 - St. Ignace</i>	COMPANY/NAME <i>Holiday Co.</i>
SAMPLED BY <i>Joshua Genrie</i>	COMPANY <i>Gosling Czubak</i>	GTA PROJECT # <i>100120-4</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	9-30-20		GW	<div style="border: 1px solid black; padding: 5px;"> 8260: BTEX, 1,2,4 TMB, 1,3,5 TMB, Naphthalene, 2-Methylnap, MTBE </div>
2	MW-3				
3	MW-4				
4	MW-5				
5	MW-6				
6	MW-8				
7	MW-9				
8	MW-10s				
9	MW-10d				
10	MW-11				
11	MW-14A				
12	MW-14B				
					3.4°C

BILL TO:

GCES

REPORT TO:

Adam Segerlund

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 10-1-20 / 0845

[Signature] 10-1-20 8:50A

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