



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: LAMBDA ENERGY RESOURCES, LLC
Name:
ClientProj: 2018100104.01
GTA ProjNo: 083021-3

Site Addr: BEAR LAKE 13 CPF

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 8/30/2021
Time Rec: 4:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-29	8/30/2021		WATER
2	MW-41	8/30/2021		WATER
3	MW-42	8/30/2021		WATER
4	MW-1	8/30/2021		WATER
5	MW-6	8/30/2021		WATER
6	MW-23	8/30/2021		WATER
7	MW-38	8/30/2021		WATER
8	MW-39	8/30/2021		WATER
9	MW-50	8/30/2021		WATER
10	MW-37	8/30/2021		WATER
11	MW-33	8/30/2021		WATER
12	MW-47	8/30/2021		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
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100104.01
LOCATION: BEAR LAKE 13 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-29
GTA PROJECT NO: 083021-3
GTA SAMPLE NO: 1
DATE SAMPLED: 8/30/2021
TIME SAMPLED:
DATE RECEIVED: 8/30/2021
TIME RECEIVED: 4:30 PM
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		9/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-42

GTA PROJECT NO: 083021-3
 GTA SAMPLE NO: 3
 DATE SAMPLED: 8/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 8/30/2021
 TIME RECEIVED: 4:30 PM

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		9/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100104.01
LOCATION: BEAR LAKE 13 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1

GTA PROJECT NO: 083021-3
GTA SAMPLE NO: 4
DATE SAMPLED: 8/30/2021
TIME SAMPLED:
DATE RECEIVED: 8/30/2021
TIME RECEIVED: 4:30 PM

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		9/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-38

GTA PROJECT NO: 083021-3
 GTA SAMPLE NO: 7
 DATE SAMPLED: 8/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 8/30/2021
 TIME RECEIVED: 4:30 PM

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		9/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-39

GTA PROJECT NO: 083021-3
 GTA SAMPLE NO: 8
 DATE SAMPLED: 8/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 8/30/2021
 TIME RECEIVED: 4:30 PM

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		9/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-50

GTA PROJECT NO: 083021-3
 GTA SAMPLE NO: 9
 DATE SAMPLED: 8/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 8/30/2021
 TIME RECEIVED: 4:30 PM

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		9/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-33

GTA PROJECT NO: 083021-3
 GTA SAMPLE NO: 11
 DATE SAMPLED: 8/30/2021
 TIME SAMPLED:
 DATE RECEIVED: 8/30/2021
 TIME RECEIVED: 4:30 PM

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		9/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	21	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100104.01
LOCATION: BEAR LAKE 13 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-47

GTA PROJECT NO: 083021-3
GTA SAMPLE NO: 12
DATE SAMPLED: 8/30/2021
TIME SAMPLED:
DATE RECEIVED: 8/30/2021
TIME RECEIVED: 4:30 PM

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		9/2/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	16	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100104.01

LOCATION: BEAR LAKE 13 CPF

GTA PROJECT NO: 083021-3

GTA SAMPLE NO: 4

DATE SAMPLED: 8/30/2021

TIME SAMPLED:

DATE RECEIVED: 8/30/2021

TIME RECEIVED: 4:30 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
SAMPLE ID: MW-1	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	9/4/2021	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
2019i00104.01	Bear Lake 13 CPF	Lambda Energy Resources
SAMPLED BY	COMPANY	GTA PROJECT #
Joshua Gemie	Gosling Czihak	083021-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS				
1	MW-29	8-30-21		GW	BTEX				
2	MW-41				↓ BTEX & Chloride				
3	MW-42								
4	MW-1								
5	MW-6								
6	MW-23								
7	MW-38								
8	MW-39								
9	MW-50								
10	MW-37								
11	MW-33								
12	MW-47					↓	↓	↓	↓

BILL TO:	REPORT TO:
Lambda Energy Resources	Jeff Simser
RELEASED BY	RECEIVED BY
<i>[Signature]</i>	<i>[Signature]</i>
DATE/TIME	DATE/TIME
8-30-21 / 1630	8/30/20 1630
	rec 1630 ONICE 7/23

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