



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: 20-014
GTA ProjNo: 012020-5

Site Addr: BEAR LAKE

Sampled By: R. OPPLIGER/OMPC
Date Rec: 1/20/2020
Time Rec: 3:55 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	W-1	1/20/2020		WATER
2	S-1	1/20/2020		SOIL
3	W-2	1/20/2020		WATER
4	S-2	1/20/2020		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 Chase

Kirk L. Chase/Chemist
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-014
LOCATION: BEAR LAKE
MI
SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 012020-5
GTA SAMPLE NO: 1
DATE SAMPLED: 1/20/2020
TIME SAMPLED:
DATE RECEIVED: 1/20/2020
TIME RECEIVED: 3:55 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: W-1							
CHLORIDE EPA 300.0		16	10	mg/L (PPM)	LV	1/22/2020	WATER

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

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PROJECT NO: 20-014
LOCATION: BEAR LAKE
MI
SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 012020-5
GTA SAMPLE NO: 2
DATE SAMPLED: 1/20/2020
TIME SAMPLED:
DATE RECEIVED: 1/20/2020
TIME RECEIVED: 3:55 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: S-1							
CHLORIDE EPA 300.0		ND	63	mg/Kg (PPM)	LV	1/22/2020	SOIL

ND = NOT DETECTED, RESULT < LOD

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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-014
LOCATION: BEAR LAKE
MI
SAMPLE MATRIX: WATER
SAMPLE ID: W-2

GTA PROJECT NO: 012020-5
GTA SAMPLE NO: 3
DATE SAMPLED: 1/20/2020
TIME SAMPLED:
DATE RECEIVED: 1/20/2020
TIME RECEIVED: 3:55 PM
SAMPLED BY: R. OPPLIGER/OMPC

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		1/21/2020	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					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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: 20-014

LOCATION: BEAR LAKE

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: S-2

GTA PROJECT NO: 012020-5

GTA SAMPLE NO: 4

DATE SAMPLED: 1/20/2020

TIME SAMPLED:

DATE RECEIVED: 1/20/2020

TIME RECEIVED: 3:55 PM

SAMPLED BY: R. OPPLIGER/OMPC

**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		1/20/2020	1/21/2020	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: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 012020-5

NAME:

SAMPLED BY: R. OPPLIGER/OMPC

PROJECT NO: 20-014

DATE SAMPLED: 1/20/2020

TIME SAMPLED:

LOCATION: BEAR LAKE

SAMPLE MATRIX: SOIL

DATE RECEIVED: 1/20/2020

TIME RECEIVED: 3:55 PM

MI

MOISTURE**No: Analysis**

SAMPLE ID: S-1

% MOISTURE EPA 3550C

SAMPLE ID: S-2

% MOISTURE EPA 3550C

Concentration**LOD****Units****Analyst****Date
Complete**

24

0.050

% OF SAMPLE

TR

1/20/2020

18

0.050

% OF SAMPLE

TR

1/20/2020

CHAIN OF CUSTODY

PROJECT NUMBER 20-014	SITE NAME/ADDRESS Lambda Bear Lake	COMPANY/NAME OMPC
SAMPLED BY R. Oppiger	COMPANY OMPC	GTA PROJECT # 012020-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	W-1	1/20		water	Chloride
2	S-1	1		soil	Chloride
3	W-2	1		water	BTEX + 4
4	S-2	1		soil	BTEX + 4

BILL TO:

Lambda

REPORT TO:

OMPC

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

R. Oppiger 1/20
3:55

K. Oppiger 1/20/20 3:55
OMPC

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