

**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: 20-122

GTA ProjNo: 022423-8

Site Addr: KALKASKA 5 NORTH

Sampled By: WPM/OMPC

Date Rec: 2/24/2023

Time Rec: 4:45 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-30D	2/24/2023	11:10 AM	WATER
2	MW-31D	2/24/2023	10:45 AM	WATER
3	MW-35	2/24/2023	3:40 PM	WATER
4	MW-36D	2/24/2023	11:20 AM	WATER
5	MW-37D	2/24/2023	12:30 PM	WATER
6	MW-38D	2/24/2023	11:55 AM	WATER
7	MW-39D	2/24/2023	1:30 PM	WATER
8	MW-40D	2/24/2023	12:10 PM	WATER
9	MW-42D	2/24/2023	1:45 PM	WATER
10	MW-43D	2/24/2023	3:10 PM	WATER
11	MW-45	2/24/2023	1:20 PM	WATER
12	MW-45D	2/24/2023	1:10 PM	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: 20-122
LOCATION: KALKASKA 5 NORTH
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-35

GTA PROJECT NO: 022423-8
GTA SAMPLE NO: 3
DATE SAMPLED: 2/24/2023
TIME SAMPLED: 3:40 PM
DATE RECEIVED: 2/24/2023
TIME RECEIVED: 4:45 PM
SAMPLED BY: WPM/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		2/28/2023	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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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 1

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 11:10 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-30D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
63	10	mg/L (PPM)	KC/TR	3/2/2023	WATER

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

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 2

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 10:45 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

SAMPLED BY: MI
WPM/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-31D

CHLORIDE EPA 300.0

Concentration

30

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/2/2023

Sample Matrix

WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-122

LOCATION: KALKASKA 5 NORTH

GTA PROJECT NO: 022423-8

GTA SAMPLE NO: 3

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 3:40 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

SAMPLED BY: MI
WPM/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-35

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
ND	10	mg/L (PPM)	KC/TR	3/2/2023	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 4

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 11:20 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-36D

CHLORIDE EPA 300.0

Concentration

15

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/2/2023

Sample Matrix

WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 5

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 12:30 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-37D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
65	10	mg/L (PPM)	KC/TR	3/2/2023	WATER

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LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 6

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 11:55 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-38D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

22

10

mg/L (PPM)

KC/TR

3/2/2023

WATER

ND = NOT DETECTED, RESULT < LOD

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 7

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-39D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
15	10	mg/L (PPM)	KC/TR	3/2/2023	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 8

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 12:10 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

SAMPLED BY: MI
WPM/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-40D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
82	10	mg/L (PPM)	KC/TR	3/2/2023	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 9

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-42D

CHLORIDE EPA 300.0

Concentration

18

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/2/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 10

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 3:10 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-43D

CHLORIDE EPA 300.0

Concentration**LOD****Units****Analyst****Date Completed****Sample Matrix**

ND

10

mg/L (PPM)

KC/TR

3/2/2023

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 11

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 1:20 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-45

CHLORIDE EPA 300.0

Concentration

17

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/2/2023

Sample Matrix

WATER

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LOD = LIMIT OF DETECTION

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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-8

PROJECT NO: 20-122

GTA SAMPLE NO: 12

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/24/2023

TIME SAMPLED: 1:10 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 4:45 PM

SAMPLED BY: MI
WPM/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-45D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
74	10	mg/L (PPM)	KC/TR	3/2/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

CHAIN OF CUSTODY

PROJECT NUMBER 20-122	SITE NAME/ADDRESS Kalkaska 5 North	COMPANY/NAME Lambda
SAMPLED BY wpm	COMPANY OMDL	GTA PROJECT # 022423-8

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-30t	2-24-23	1110	H ₂ O	Chlorides
2	MW-31t		1045		
3	MW-35		1540		HIPs
4	MW-36t		1120		
5	MW-37d		1230		
6	MW-38d		1155		
7	MW-39t		1330		
8	MW-40d		1210		
9	MW-42t		1345		
10	MW-43t		1510		
11	MW-45		1320		
12	MW-45t		1310		

BILL TO:

TempRec: ☐

On Ice? ☒ ☐

REPORT TO:

2.0°C

Dan Barton

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

2-24-23 1645

2/24/23 1645

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