

**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: 021122-2

Site Addr: KALKASKA 5

Sampled By: SH/WPM - OMPC

Date Rec: 2/11/2022

Time Rec: 9:50 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4D	2/7/2022	10:00 AM	WATER
2	MW-5D	2/7/2022	10:30 AM	WATER
3	MW-7D	2/7/2022	11:00 AM	WATER
4	MW-17D	2/7/2022	1:50 PM	WATER
5	MW-18	2/7/2022	1:00 PM	WATER
6	MW-32S	2/7/2022	4:00 PM	WATER
7	MW-32D	2/7/2022	4:10 PM	WATER
8	MW-47	2/7/2022	12:30 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
830 Robinwood Court
Traverse City, MI 49686
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-122
LOCATION: KALKASKA 5
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7D

GTA PROJECT NO: 021122-2
GTA SAMPLE NO: 3
DATE SAMPLED: 2/7/2022
TIME SAMPLED: 11:00 AM
DATE RECEIVED: 2/11/2022
TIME RECEIVED: 9:50 AM
SAMPLED BY: SH/WPM - OMPC

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		2/14/2022	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: 021122-2

PROJECT NO: 20-122

GTA SAMPLE NO: 1

LOCATION: KALKASKA 5

DATE SAMPLED: 2/7/2022

TIME SAMPLED: 10:00 AM

DATE RECEIVED: 2/11/2022

TIME RECEIVED: 9:50 AM

MI

SAMPLED BY: SH/WPM - OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-4D

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

2/17/2022

Sample

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: 021122-2

PROJECT NO: 20-122

GTA SAMPLE NO: 2

LOCATION: KALKASKA 5

DATE SAMPLED: 2/7/2022

TIME SAMPLED: 10:30 AM

DATE RECEIVED: 2/11/2022

TIME RECEIVED: 9:50 AM

MI

SAMPLED BY: SH/WPM - OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-5D

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

2/17/2022

Sample

WATER

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LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 021122-2

PROJECT NO: 20-122

GTA SAMPLE NO: 3

LOCATION: KALKASKA 5

DATE SAMPLED: 2/7/2022

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 2/11/2022

TIME RECEIVED: 9:50 AM

MI

SAMPLED BY: SH/WPM - OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-7D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

35

10

mg/L (PPM)

TR

2/17/2022

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-122

LOCATION: KALKASKA 5

GTA PROJECT NO: 021122-2

GTA SAMPLE NO: 4

DATE SAMPLED: 2/7/2022

TIME SAMPLED: 1:50 PM

DATE RECEIVED: 2/11/2022

TIME RECEIVED: 9:50 AM

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

SAMPLE ID: MW-17D

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

2/17/2022

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 021122-2

PROJECT NO: 20-122

GTA SAMPLE NO: 5

LOCATION: KALKASKA 5

DATE SAMPLED: 2/7/2022

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 2/11/2022

TIME RECEIVED: 9:50 AM

MI

SAMPLED BY: SH/WPM - OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-18

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

13

10

mg/L (PPM)

TR

2/17/2022

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-122
LOCATION: KALKASKA 5
MI
SAMPLED BY: SH/WPM - OMPC

GTA PROJECT NO: 021122-2
GTA SAMPLE NO: 6
DATE SAMPLED: 2/7/2022
TIME SAMPLED: 4:00 PM
DATE RECEIVED: 2/11/2022
TIME RECEIVED: 9:50 AM

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-32S						
	CHLORIDE EPA 300.0	22	10	mg/L (PPM)	TR	2/17/2022	WATER

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-122

LOCATION: KALKASKA 5

GTA PROJECT NO: 021122-2

GTA SAMPLE NO: 7

DATE SAMPLED: 2/7/2022

TIME SAMPLED: 4:10 PM

DATE RECEIVED: 2/11/2022

TIME RECEIVED: 9:50 AM

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

SAMPLE ID: MW-32D

CHLORIDE EPA 300.0

Concentration

220

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

2/17/2022

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 021122-2

PROJECT NO: 20-122

GTA SAMPLE NO: 8

LOCATION: KALKASKA 5

DATE SAMPLED: 2/7/2022

TIME SAMPLED: 12:30 PM

DATE RECEIVED: 2/11/2022

TIME RECEIVED: 9:50 AM

SAMPLED BY: MI
SH/WPM - OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-47

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

ND

10

mg/L (PPM)

TR

2/17/2022

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	COMPANY/NAME Lambda
SAMPLED BY SH/WPM	COMPANY OMPC	GTA PROJECT # 021122-2

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-4D	2-7-22	1000	H ₂ O	Chlorides
2	MW-5D	↓	1030	↓	Chlorides
3	MW-7D		1100		H/Ps, Chlorides
4	MW-17D		1350		Chlorides
5	MW-18		1300		↓
6	MW-32S		1600		
7	MW-32D		1610		
8	MW-47		1230	↓	↓

BILL TO:	TempRec: ☒ 3.6°C	On Ice? ☐ ☐	REPORT TO: Dan Beerton
RELEASED BY [Signature]	DATE/TIME 2-11-22 950	RECEIVED BY [Signature]	DATE/TIME 2/11/22 950
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			