

**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: 022423-2

Site Addr: KALKASKA 5 NORTH

Sampled By: WPM/OMPC

Date Rec: 2/24/2023

Time Rec: 9:15 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	2/22/2023	11:15 AM	WATER
2	MW-4D	2/22/2023	1:40 PM	WATER
3	MW-5D	2/22/2023	12:40 PM	WATER
4	MW-7D	2/22/2023	1:45 PM	WATER
5	MW-10D	2/22/2023	1:00 PM	WATER
6	MW-6D	2/22/2023	10:30 AM	WATER
7	MW-17D	2/22/2023	3:15 PM	WATER
8	MW-18	2/22/2023	2:30 PM	WATER
9	MW-21DR	2/22/2023	12:45 PM	WATER
10	MW-23D	2/22/2023	10:45 AM	WATER
11	MW-26D	2/22/2023	2:45 PM	WATER
12	MW-34D	2/22/2023	11:40 AM	WATER
13	MW-47	2/22/2023	2:15 PM	WATER
14	MW-48	2/22/2023	11:30 AM	WATER
15	MW-49	2/22/2023	9:50 AM	WATER
16	MW-8D	2/21/2023	12:45 PM	WATER
17	MW-22D	2/21/2023	12:00 PM	WATER
18	MW-23S	2/21/2023	3:25 PM	WATER
19	MW-24D	2/21/2023	1:50 PM	WATER
20	MW-25D	2/21/2023	11:10 AM	WATER
21	MW-28DD	2/21/2023	10:00 AM	WATER
22	MW-29D	2/21/2023	10:40 AM	WATER
23	MW-32S	2/21/2023	2:15 PM	WATER
24	MW-32D	2/21/2023	3:50 PM	WATER
25	MW-33D	2/21/2023	3:10 PM	WATER
26	MW-46D	2/21/2023	9:50 AM	WATER
27	RW-3	2/21/2023	11:50 AM	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
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-122
LOCATION: KALKASKA 5 NORTH
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7D

GTA PROJECT NO: 022423-2
GTA SAMPLE NO: 4
DATE SAMPLED: 2/22/2023
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 2/24/2023
TIME RECEIVED: 9:15 AM
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		2/27/2023	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
PROJECT NO: 20-122
LOCATION: KALKASKA 5 NORTH
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-10D

GTA PROJECT NO: 022423-2
GTA SAMPLE NO: 5
DATE SAMPLED: 2/22/2023
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 2/24/2023
TIME RECEIVED: 9:15 AM
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		2/27/2023	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-122
LOCATION: KALKASKA 5 NORTH
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-26D
GTA PROJECT NO: 022423-2
GTA SAMPLE NO: 11
DATE SAMPLED: 2/22/2023
TIME SAMPLED: 2:45 PM
DATE RECEIVED: 2/24/2023
TIME RECEIVED: 9:15 AM
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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	2.9	1.0	ug/L (PPB)	MR		2/27/2023	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.
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LOD = LIMIT OF DETECTION



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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 1

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 11:15 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-1

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/1/2023

Sample Matrix

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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 2

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 1:40 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

SAMPLED BY: MI
WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-4D

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	3/1/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 3

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 12:40 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-5D

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	3/1/2023	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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 4

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

SAMPLED BY: MI
WPM/OMPC

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 Matrix</u>
SAMPLE ID: MW-7D							
CHLORIDE EPA 300.0		30	10	mg/L (PPM)	KC/TR	3/1/2023	WATER

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GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 5

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-10D

CHLORIDE EPA 300.0

Concentration

13

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/1/2023

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

PROJECT NO: 20-122

LOCATION: KALKASKA 5 NORTH

GTA PROJECT NO: 022423-2

GTA SAMPLE NO: 6

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 10:30 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-6D

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	3/1/2023	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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 7

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 3:15 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

SAMPLED BY: MI
WPM/OMPC**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 Matrix</u>
	SAMPLE ID: MW-17D						
	CHLORIDE EPA 300.0	22	10	mg/L (PPM)	KC/TR	3/1/2023	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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 8

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 2:30 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-18

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

70

10

mg/L (PPM)

KC/TR

3/1/2023

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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 9

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 12:45 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-21DR

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
24	10	mg/L (PPM)	KC/TR	3/1/2023	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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 10

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 10:45 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-23D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
1,300	50	mg/L (PPM)	KC/TR	3/1/2023	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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 11

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 2:45 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-26D

CHLORIDE EPA 300.0

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

43

10

mg/L (PPM)

KC/TR

3/1/2023

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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 12

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 11:40 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-34D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
17	10	mg/L (PPM)	KC/TR	3/1/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 13

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 2:15 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-47

CHLORIDE EPA 300.0

Concentration

11

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/1/2023

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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 14

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/22/2023

TIME SAMPLED: 11:30 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-48

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
90	10	mg/L (PPM)	KC/TR	3/1/2023	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 NORTH
MI
SAMPLED BY: WPM/OMPC

GTA PROJECT NO: 022423-2
GTA SAMPLE NO: 15
DATE SAMPLED: 2/22/2023
TIME SAMPLED: 9:50 AM
DATE RECEIVED: 2/24/2023
TIME RECEIVED: 9:15 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 Matrix</u>
SAMPLE ID: MW-49							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	3/1/2023	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

PROJECT NO: 20-122

LOCATION: KALKASKA 5 NORTH

GTA PROJECT NO: 022423-2

GTA SAMPLE NO: 16

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 12:45 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-8D

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	3/1/2023	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: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 17

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 12:00 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-22D

CHLORIDE EPA 300.0

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

31

10

mg/L (PPM)

KC/TR

3/1/2023

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-122

LOCATION: KALKASKA 5 NORTH

GTA PROJECT NO: 022423-2

GTA SAMPLE NO: 18

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 3:25 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-23S

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
75	10	mg/L (PPM)	KC/TR	3/1/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 19

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 1:50 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-24D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
11	10	mg/L (PPM)	KC/TR	3/1/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**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

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 20

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 11:10 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-25D

CHLORIDE EPA 300.0

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

210

10

mg/L (PPM)

KC/TR

3/1/2023

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-122

LOCATION: KALKASKA 5 NORTH

GTA PROJECT NO: 022423-2

GTA SAMPLE NO: 21

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 10:00 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-28DD

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
280	10	mg/L (PPM)	KC/TR	3/1/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 22

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 10:40 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-29D

CHLORIDE EPA 300.0

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

40

10

mg/L (PPM)

KC/TR

3/1/2023

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 23

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 2:15 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-32S

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
24	10	mg/L (PPM)	KC/TR	3/1/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 24

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 3:50 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-32D

CHLORIDE EPA 300.0

Concentration

280

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/1/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 25

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 3:10 PM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-33D

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	3/1/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 26

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 9:50 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

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

SAMPLE ID: MW-46D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
88	10	mg/L (PPM)	KC/TR	3/1/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**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

GTA PROJECT NO: 022423-2

PROJECT NO: 20-122

GTA SAMPLE NO: 27

LOCATION: KALKASKA 5 NORTH

DATE SAMPLED: 2/21/2023

TIME SAMPLED: 11:50 AM

DATE RECEIVED: 2/24/2023

TIME RECEIVED: 9:15 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: RW-3

CHLORIDE EPA 300.0

Concentration

120

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/1/2023

Sample Matrix

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 Cumtux
SAMPLED BY VPM	COMPANY OMPC	GTA PROJECT # 022723-2

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	2-22-23	1115	H ₂ O	Chlorides
2	MW-4t		1340		
3	MW-5d		1240		
4	MW-7t		1345		HIPs
5	MW-10t		1300		HIPs
6	MW-6d		1030		
7	MW-17t		1515		
8	MW-18t		1430		
9	MW-21t		1245		
10	MW-23t		1045		
11	MW-26t		1445		HIPs
12	MW-34t		1140		
13	MW-47		1415		
14	MW-48		1130		
15	MW-49		950		

BILL TO:	TempRec: ☐ On Ice? ☒ ☐ 2.0°C	REPORT TO: Dan Burton
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RELEASED BY [Signature]	DATE/TIME 2-24-23 9:15	RECEIVED BY [Signature]	DATE/TIME 2-24-23 9:15a
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REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS

CHAIN OF CUSTODY

PROJECT NUMBER 20-122	SITE NAME/ADDRESS Kalkaska S North	COMPANY/NAME Lambda
SAMPLED BY WPM	COMPANY DMPC	GTA PROJECT # 022423-2

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	MW-8d	2-21-23	1245	H ₂ O	Chlorides
17	MW-22d		1200		
18	MW-23s		1525		
19	MW-24d		1350		
20	MW-25d		1110		
21	MW-28d		1000		
22	MW-29d		1040		
23	MW-32s		1415		
24	MW-32d		1530		
25	MW-33d		1510		
26	MW-46d		950		
27	RW-3		1150		

BILL TO:	TempRec: ☐ Y N	REPORT TO:
	On Ice? ☒ ☐	Dan Barton
RELEASED BY	DATE/TIME	RECEIVED BY
D. M. G.	2-24-23 9:15	Trevor Ruel
		DATE/TIME
		2-24-23 9:15am
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS		