



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: 2018100137
GTA ProjNo: 081623-12

Site Addr: BEAR LAKE 32
Sampled By: BRENDAN RUPPEN/GCES
Date Rec: 8/16/2023
Time Rec: 3:47 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-7	8/15/2023	11:30 AM	WATER
2	OW-1AR	8/15/2023	11:50 AM	WATER
3	MW-13	8/15/2023	11:05 AM	WATER
4	MW-24	8/15/2023	11:15 AM	WATER
5	MW-11R	8/15/2023	1:25 PM	WATER
6	MW-6	8/15/2023	2:05 PM	WATER
7	MW-15	8/15/2023	2:10 PM	WATER
8	MW-14 (20')	8/15/2023	2:30 PM	WATER
9	MW-14 (45')	8/15/2023	2:40 PM	WATER
10	MW-2 (26')	8/16/2023	12:05 PM	WATER
11	MW-17 (42')	8/16/2023	12:50 PM	WATER
12	MW-17 (35')	8/16/2023	1:05 PM	WATER
13	MW-25 (28')	8/16/2023	1:45 PM	WATER
14	MW-26	8/16/2023	2:05 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: 2018100137
 LOCATION: BEAR LAKE 32

MI

SAMPLE MATRIX: WATER
 SAMPLE ID: MW-7

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 1

DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 11:30 AM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	2.4	1.0	ug/L (PPB)	MR		8/22/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.2	1.0					
Xylene(Total)	5.3	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:	081623-12
PROJECT NO:	2018100137	GTA SAMPLE NO:	2
LOCATION:	BEAR LAKE 32	DATE SAMPLED:	8/15/2023
		TIME SAMPLED:	11:50 AM
		DATE RECEIVED:	8/16/2023
	MI	TIME RECEIVED:	3:47 PM
SAMPLE MATRIX:	WATER	SAMPLED BY:	BRENDAN RUPPEN/GCES
SAMPLE ID:	OW-1AR		

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>Completed</u>	<u>Prep Method</u>
Benzene	120	1.0	ug/L (PPB)	MR		8/22/2023	EPA 5030B
Toluene	140	1.0					
Ethylbenzene	240	1.0					
Xylene(Total)	1,100	3.0					
1,2,4-Trimethylbenzene	160	1.0					
1,3,5-Trimethylbenzene	38	1.0					
Naphthalene	5.6	5.0					
2-Methylnaphthalene	6.0	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 081623-12

PROJECT NO: 2018100137

GTA SAMPLE NO: 3

LOCATION: BEAR LAKE 32

DATE SAMPLED: 8/15/2023

TIME SAMPLED: 11:05 AM

MI

DATE RECEIVED: 8/16/2023

TIME RECEIVED: 3:47 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-13

SAMPLED BY: BRENDAN RUPPEN/GCES

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>Completed</u>	<u>Prep Method</u>
Benzene	260	10	ug/L (PPB)	MR		8/22/2023	EPA 5030B
Toluene	5,300	200					
Ethylbenzene	1,600	200					
Xylene(Total)	8,200	600					
1,2,4-Trimethylbenzene	1,200	10					
1,3,5-Trimethylbenzene	310	10					
Naphthalene	22	10					
2-Methylnaphthalene	17	10					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	081623-12
PROJECT NO:	2018100137	GTA SAMPLE NO:	4
LOCATION:	BEAR LAKE 32	DATE SAMPLED:	8/15/2023
		TIME SAMPLED:	11:15 AM
		DATE RECEIVED:	8/16/2023
	MI	TIME RECEIVED:	3:47 PM
SAMPLE MATRIX:	WATER	SAMPLED BY:	BRENDAN RUPPEN/GCES
SAMPLE ID:	MW-24		

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/22/2023	EPA 5030B
Toluene	26	1.0					
Ethylbenzene	28	1.0					
Xylene(Total)	420	3.0					
1,2,4-Trimethylbenzene	110	1.0					
1,3,5-Trimethylbenzene	110	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-11R

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 5
 DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 1:25 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/22/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-6

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 6
 DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 2:05 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/21/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-15

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 7
 DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 2:10 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/21/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-14 (20')

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 8
 DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 2:30 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/21/2023	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					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	081623-12
PROJECT NO:	2018100137	GTA SAMPLE NO:	9
LOCATION:	BEAR LAKE 32	DATE SAMPLED:	8/15/2023
		TIME SAMPLED:	2:40 PM
		DATE RECEIVED:	8/16/2023
	MI	TIME RECEIVED:	3:47 PM
SAMPLE MATRIX:	WATER	SAMPLED BY:	BRENDAN RUPPEN/GCES
SAMPLE ID:	MW-14 (45')		

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/21/2023	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					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	081623-12
PROJECT NO:	2018100137	GTA SAMPLE NO:	10
LOCATION:	BEAR LAKE 32	DATE SAMPLED:	8/16/2023
		TIME SAMPLED:	12:05 PM
		DATE RECEIVED:	8/16/2023
	MI	TIME RECEIVED:	3:47 PM
SAMPLE MATRIX:	WATER	SAMPLED BY:	BRENDAN RUPPEN/GCES
SAMPLE ID:	MW-2 (26')		

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/21/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-17 (42)

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 11
 DATE SAMPLED: 8/16/2023
 TIME SAMPLED: 12:50 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/21/2023	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-17 (35')

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 12
 DATE SAMPLED: 8/16/2023
 TIME SAMPLED: 1:05 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		8/21/2023	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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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-25 (28')

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 13
 DATE SAMPLED: 8/16/2023
 TIME SAMPLED: 1:45 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	2.7	1.0	ug/L (PPB)	MR		8/21/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.9	1.0					
Xylene(Total)	37	3.0					
1,2,4-Trimethylbenzene	23	1.0					
1,3,5-Trimethylbenzene	2.9	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-26

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 14
 DATE SAMPLED: 8/16/2023
 TIME SAMPLED: 2:05 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: BRENDAN RUPPEN/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 Completed</u>	<u>Prep Method</u>
Benzene	40	1.0	ug/L (PPB)	MR		8/21/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.4	1.0					
Xylene(Total)	76	3.0					
1,2,4-Trimethylbenzene	6.1	1.0					
1,3,5-Trimethylbenzene	2.7	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100137
LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
GTA SAMPLE NO: 1

DATE SAMPLED: 8/15/2023
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 8/16/2023
TIME RECEIVED: 3:47 PM

MI
SAMPLED BY: BRENDAN RUPPEN/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 Matrix</u>
SAMPLE ID: MW-7	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	8/23/2023	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: 2018100137
 LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 2

DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 11:50 AM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

MI
 SAMPLED BY: BRENDAN RUPPEN/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 Matrix</u>
	SAMPLE ID: OW-1AR CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	8/23/2023	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: 2018100137
 LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 3

DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 11:05 AM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

MI
 SAMPLED BY: BRENDAN RUPPEN/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 Matrix</u>
SAMPLE ID: MW-13	CHLORIDE EPA 300.0	13	10	mg/L (PPM)	KC/TR	8/23/2023	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: 2018100137
 LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 4

DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 11:15 AM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

MI
 SAMPLED BY: BRENDAN RUPPEN/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 Matrix</u>
SAMPLE ID: MW-24	CHLORIDE EPA 300.0	15	10	mg/L (PPM)	KC/TR	8/23/2023	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: 2018100137
 LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 7

DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 2:10 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

MI
 SAMPLED BY: BRENDAN RUPPEN/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 Matrix</u>
SAMPLE ID:	MW-15	ND	10	mg/L (PPM)	KC/TR	8/24/2023	WATER
	CHLORIDE EPA 300.0						

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: 2018100137
 LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 8

DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 2:30 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

MI
 SAMPLED BY: BRENDAN RUPPEN/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 Matrix</u>
	SAMPLE ID: MW-14 (20') CHLORIDE EPA 300.0	3,100	100	mg/L (PPM)	KC/TR	8/24/2023	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: 2018100137
 LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 9

DATE SAMPLED: 8/15/2023
 TIME SAMPLED: 2:40 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

MI
 SAMPLED BY: BRENDAN RUPPEN/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 Matrix</u>
	SAMPLE ID: MW-14 (45') CHLORIDE EPA 300.0	23	10	mg/L (PPM)	KC/TR	8/24/2023	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: 2018100137
 LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 10
 DATE SAMPLED: 8/16/2023
 TIME SAMPLED: 12:05 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

MI
 SAMPLED BY: BRENDAN RUPPEN/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 Matrix</u>
	SAMPLE ID: MW-2 (26') CHLORIDE EPA 300.0	15	10	mg/L (PPM)	KC/TR	8/24/2023	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

PROJECT NO: 2018100137
 LOCATION: BEAR LAKE 32

GTA PROJECT NO: 081623-12
 GTA SAMPLE NO: 13

DATE SAMPLED: 8/16/2023
 TIME SAMPLED: 1:45 PM
 DATE RECEIVED: 8/16/2023
 TIME RECEIVED: 3:47 PM

SAMPLED BY: MI
 BRENDAN RUPPEN/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 Matrix</u>
	SAMPLE ID: MW-25 (28') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	8/24/2023	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER <i>2018100137</i>	SITE NAME/ADDRESS <i>Bear Lake 32</i>	COMPANY/NAME <i>LER</i>
SAMPLED BY <i>Brendan Ruppen</i>	COMPANY <i>GCES</i>	GTA PROJECT # <i>081623-12</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>MW-7</i>	<i>8/15/23</i>	<i>11:30</i>	<i>GW</i>	<i>[BTEX+4, Chloride]</i>
2	<i>MW-1AR</i>	↓	<i>11:50</i>	↓	↓
3	<i>MW-13</i>		<i>11:05</i>		
4	<i>MW-24</i>		<i>11:15</i>		
5	<i>MW-11R</i>		<i>1:25</i>		
6	<i>MW-60</i>		<i>2:05</i>		
7	<i>MW-15</i>		<i>2:10</i>		
8	<i>MW-14(20')</i>		<i>2:30</i>		
9	<i>MW-14(45')</i>		<i>2:40</i>		
10	<i>MW-2(26')</i>		<i>8/16/23</i>		
11	<i>MW-17(42')</i>		<i>12:50</i>		
12	<i>MW-17(35')</i>		<i>1:05</i>		
13	<i>MW-25(28')</i>		<i>1:45</i>		
14	<i>MW-26</i>		<i>2:05</i>		

BILL TO: <i>LER</i>	TempRec: <input type="checkbox"/> <i>2.5°C</i>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: <i>J. Simsa</i>
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RELEASED BY <i>B. Ruppen</i>	DATE/TIME <i>8/16/23 3:47</i>	RECEIVED BY <i>[Signature]</i>	DATE/TIME <i>8/16/23 3:47</i>
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS