

**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: 2018100123.01

GTA ProjNo: 032125-3

Site Addr: BEAR LAKE 22

Sampled By: DJT/GCES

Date Rec: 3/21/2025

Time Rec: 12:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-8 (60')	3/21/2025	9:40 AM	WATER
2	MW-8 (70')	3/21/2025	9:50 AM	WATER
3	MW-7 (65')	3/21/2025	10:20 AM	WATER
4	MW-7 (79')	3/21/2025	10:30 AM	WATER
5	MW-3	3/21/2025	10:40 AM	WATER
6	MW-6	3/21/2025	11:00 AM	WATER
7	MW-4	3/21/2025	11:10 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
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PH: 231-929-0905

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-8 (60')
GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 1
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 9:40 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM
SAMPLED BY: DJT/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		3/24/2025	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: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-8 (70')
GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 2
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 9:50 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM
SAMPLED BY: DJT/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		3/24/2025	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: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7 (65')
GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 3
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 10:20 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM
SAMPLED BY: DJT/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		3/24/2025	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: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7 (79')
GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 4
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 10:30 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM
SAMPLED BY: DJT/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		3/24/2025	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: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3

GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 5
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 10:40 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM
SAMPLED BY: DJT/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		3/24/2025	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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LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-6

GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 6
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 11:00 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM
SAMPLED BY: DJT/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		3/24/2025	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: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4

GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 7
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 11:10 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM
SAMPLED BY: DJT/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		3/24/2025	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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PROJECT NO: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLED BY: DJT/GCES

GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 1
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 9:40 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-8 (60')

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

<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	3/28/2025	WATER
680	1.0	uS/cm@25C	TR	3/25/2025	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED



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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 032125-3

PROJECT NO: 2018100123.01

GTA SAMPLE NO: 2

LOCATION: BEAR LAKE 22

DATE SAMPLED: 3/21/2025

TIME SAMPLED: 9:50 AM

DATE RECEIVED: 3/21/2025

TIME RECEIVED: 12:00 PM

SAMPLED BY: MI
DJT/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-8 (70')

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	3/28/2025	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: 2018100123.01
LOCATION: BEAR LAKE 22
MI
SAMPLED BY: DJT/GCES

GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 3
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 10:20 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-7 (65')

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

<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	3/28/2025	WATER
620	1.0	uS/cm@25C	TR	3/25/2025	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED



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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 032125-3

PROJECT NO: 2018100123.01

GTA SAMPLE NO: 4

LOCATION: BEAR LAKE 22

DATE SAMPLED: 3/21/2025

TIME SAMPLED: 10:30 AM

DATE RECEIVED: 3/21/2025

TIME RECEIVED: 12:00 PM

SAMPLED BY: MI
DJT/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-7 (79')

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	3/28/2025	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: 032125-3

PROJECT NO: 2018100123.01

GTA SAMPLE NO: 5

LOCATION: BEAR LAKE 22

DATE SAMPLED: 3/21/2025

TIME SAMPLED: 10:40 AM

DATE RECEIVED: 3/21/2025

TIME RECEIVED: 12:00 PM

SAMPLED BY: MI
DJT/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-3 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	3/28/2025	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: 2018100123.01
LOCATION: BEAR LAKE 22
GTA PROJECT NO: 032125-3
GTA SAMPLE NO: 6
DATE SAMPLED: 3/21/2025
TIME SAMPLED: 11:00 AM
DATE RECEIVED: 3/21/2025
TIME RECEIVED: 12:00 PM
SAMPLED BY: MI
DJT/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-6						
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	3/28/2025	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: 032125-3

PROJECT NO: 2018100123.01

GTA SAMPLE NO: 7

LOCATION: BEAR LAKE 22

DATE SAMPLED: 3/21/2025

TIME SAMPLED: 11:10 AM

DATE RECEIVED: 3/21/2025

TIME RECEIVED: 12:00 PM

SAMPLED BY: MI
DJT/GCES

SAMPLE ANALYSIS

No:	Analysis	Concentration	LOD	Units	Analyst	Date Completed	Sample Matrix
	SAMPLE ID: MW-4						
	CHLORIDE EPA 300.0	11	10	mg/L (PPM)	KC/TR	3/28/2025	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

