

**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: 2018100123.03

GTA ProjNo: 052925-4

Site Addr: BEAR LAKE 22

Sampled By: JFR/GCES

Date Rec: 5/29/2025

Time Rec: 9:00 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SW-1 (2')	5/28/2025	4:35 PM	SOIL
2	SW-2 (1.5')	5/28/2025	4:40 PM	SOIL
3	SW-3 (2')	5/28/2025	4:50 PM	SOIL
4	SW-4 (1.5')	5/28/2025	4:55 PM	SOIL
5	FL-1 (3')	5/28/2025	4:45 PM	SOIL
6	FL-2 (1')	5/28/2025	5:00 PM	SOIL

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: 2018100123.03
LOCATION: BEAR LAKE 22

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SW-1 (2')

GTA PROJECT NO: 052925-4

GTA SAMPLE NO: 1

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 4:35 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

SAMPLED BY: JFR/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	50	ug/Kg (PPB)	MR	5/28/2025	5/29/2025	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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: 2018100123.03
LOCATION: BEAR LAKE 22

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SW-2 (1.5')

GTA PROJECT NO: 052925-4

GTA SAMPLE NO: 2

DATE SAMPLED: 5/28/2025
TIME SAMPLED: 4:40 PM
DATE RECEIVED: 5/29/2025
TIME RECEIVED: 9:00 AM

SAMPLED BY: JFR/GCES

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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	50	ug/Kg (PPB)	MR	5/28/2025	5/29/2025	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100123.03
LOCATION: BEAR LAKE 22

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SW-3 (2')

GTA PROJECT NO: 052925-4

GTA SAMPLE NO: 3

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 4:50 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

SAMPLED BY: JFR/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	50	ug/Kg (PPB)	MR	5/28/2025	5/29/2025	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100123.03
LOCATION: BEAR LAKE 22

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: SW-4 (1.5')

GTA PROJECT NO: 052925-4

GTA SAMPLE NO: 4

DATE SAMPLED: 5/28/2025
TIME SAMPLED: 4:55 PM
DATE RECEIVED: 5/29/2025
TIME RECEIVED: 9:00 AM

SAMPLED BY: JFR/GCES

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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	50	ug/Kg (PPB)	MR	5/28/2025	5/29/2025	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100123.03
LOCATION: BEAR LAKE 22

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: FL-1 (3')

GTA PROJECT NO: 052925-4
GTA SAMPLE NO: 5

DATE SAMPLED: 5/28/2025
TIME SAMPLED: 4:45 PM
DATE RECEIVED: 5/29/2025
TIME RECEIVED: 9:00 AM

SAMPLED BY: JFR/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	220	50	ug/Kg (PPB)	MR	5/28/2025	5/29/2025	EPA 5035A
Toluene	7,100	50					
Ethylbenzene	3,900	50					
Xylene(Total)	16,000	150					
1,2,4-Trimethylbenzene	11,000	50					
1,3,5-Trimethylbenzene	1,800	50					
Naphthalene	260	250					
2-Methylnaphthalene	1,900	250					

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PROJECT NO: 2018100123.03
LOCATION: BEAR LAKE 22

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: FL-2 (1')

GTA PROJECT NO: 052925-4

GTA SAMPLE NO: 6

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 5:00 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

SAMPLED BY: JFR/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	50	ug/Kg (PPB)	MR	5/28/2025	5/29/2025	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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PROJECT NO: 2018100123.03

LOCATION: BEAR LAKE 22

GTA PROJECT NO: 052925-4

GTA SAMPLE NO: 1

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 4:35 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

MI

SAMPLED BY: JFR/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: SW-1 (2')

CHLORIDE EPA 300.0

Concentration

260

LOD

120

Units

mg/L (PPM)

Analyst

KC/AS

Date Completed

6/2/2025

Sample Matrix

SOIL

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: 052925-4

PROJECT NO: 2018100123.03

GTA SAMPLE NO: 2

LOCATION: BEAR LAKE 22

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 4:40 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

MI

SAMPLED BY: JFR/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: SW-2 (1.5')

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	110	mg/L (PPM)	KC/AS	6/2/2025	SOIL

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: 052925-4

PROJECT NO: 2018100123.03

GTA SAMPLE NO: 3

LOCATION: BEAR LAKE 22

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 4:50 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

MI

SAMPLED BY: JFR/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: SW-3 (2')

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

120

mg/L (PPM)

KC/AS

6/2/2025

SOIL

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: 052925-4

PROJECT NO: 2018100123.03

GTA SAMPLE NO: 4

LOCATION: BEAR LAKE 22

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 4:55 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

MI

SAMPLED BY: JFR/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: SW-4 (1.5')

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	110	mg/L (PPM)	KC/AS	6/2/2025	SOIL

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: 052925-4

PROJECT NO: 2018100123.03

GTA SAMPLE NO: 5

LOCATION: BEAR LAKE 22

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 4:45 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

MI

SAMPLED BY: JFR/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: FL-1 (3')

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

160

110

mg/L (PPM)

KC/AS

6/2/2025

SOIL

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: 052925-4

PROJECT NO: 2018100123.03

GTA SAMPLE NO: 6

LOCATION: BEAR LAKE 22

DATE SAMPLED: 5/28/2025

TIME SAMPLED: 5:00 PM

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

MI

SAMPLED BY: JFR/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: FL-2 (1')

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

110

mg/L (PPM)

KC/AS

6/2/2025

SOIL

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 052925-4

NAME:

SAMPLED BY: JFR/GCES

PROJECT NO: 2018100123.03

DATE SAMPLED: 5/28/2025

LOCATION: BEAR LAKE 22

SAMPLE MATRIX: SOIL

DATE RECEIVED: 5/29/2025

TIME RECEIVED: 9:00 AM

MI

MOISTURE

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: SW-1 (2')	% MOISTURE EPA 3550C	11	0.10	% OF SAMPLE	AA	5/29/2025
SAMPLE ID: SW-2 (1.5')	% MOISTURE EPA 3550C	11	0.10	% OF SAMPLE	AA	5/29/2025
SAMPLE ID: SW-3 (2')	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	AA	5/29/2025
SAMPLE ID: SW-4 (1.5')	% MOISTURE EPA 3550C	8.3	0.10	% OF SAMPLE	AA	5/29/2025
SAMPLE ID: FL-1 (3')	% MOISTURE EPA 3550C	11	0.10	% OF SAMPLE	AA	5/29/2025
SAMPLE ID: FL-2 (1')	% MOISTURE EPA 3550C	11	0.10	% OF SAMPLE	AA	5/29/2025

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CHAIN OF CUSTODY

PROJECT NUMBER 2018100123.03	SITE NAME/ADDRESS Bear Lake 22	COMPANY/NAME Lambden Energy Resources LLC
SAMPLED BY JFR	COMPANY GACES	GTA PROJECT # 052925-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	SW-1 (2')	5/28/25	16:35	Soil	BTEX +4, Chloride
2	SW-2 (1.5')		16:40		
3	SW-3 (2')		16:50		
4	SW-4 (1.5')		16:55		
5	FI-1 (3')		16:45		
6	FI-2 (1')		17:00		

BILL TO:

Lambden Energy Resources

TempRec: ☐

On Ice? ☒ ☐

-1.3°C

REPORT TO:

J. SIMSA

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature]

5/29/25

9:00

Trevor Ruhl 5-29-25 9:00

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