



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: LAMBDA ENERGY RESOURCES, LLC  
Name:  
ClientProj: 2018100104.01  
GTA ProjNo: 012324-2

Site Addr: BEAR LAKE 13 CPF

Sampled By: JOSHUA GERRIE/GCES  
Date Rec: 1/23/2024  
Time Rec: 4:50 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-22S	1/23/2024		WATER
2	MW-43	1/23/2024		WATER
3	SB-TB-9 (TW)	1/23/2024		WATER
4	MW-47	1/23/2024		WATER
5	MW-37	1/23/2024		WATER
6	MW-33	1/23/2024		WATER
7	MW-46	1/23/2024		WATER
8	MW-50	1/23/2024		WATER
9	MW-6	1/23/2024		WATER
10	SUMP	1/23/2024		WATER
11	MW-1	1/23/2024		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](mailto:kirk@gtanalytical.com)



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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-22S

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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		1/24/2024	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: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-43

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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		1/24/2024	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: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: SB-TB-9 (TW)

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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	ND	1.0	ug/L (PPB)	MR		1/25/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.2	1.0					
Xylene(Total)	12	3.0					
1,2,4-Trimethylbenzene	45	1.0					
1,3,5-Trimethylbenzene	1.4	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-47

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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		1/24/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	3.4	3.0					
1,2,4-Trimethylbenzene	3.1	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: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-37

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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		1/25/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	12	1.0					
1,3,5-Trimethylbenzene	3.1	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-46

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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		1/24/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	16	3.0					
1,2,4-Trimethylbenzene	4.4	1.0					
1,3,5-Trimethylbenzene	4.0	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-50

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 8  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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		1/24/2024	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: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-6

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 9  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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		1/25/2024	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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 ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION





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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100104.01  
 LOCATION: BEAR LAKE 13 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-1

GTA PROJECT NO: 012324-2  
 GTA SAMPLE NO: 11  
 DATE SAMPLED: 1/23/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 1/23/2024  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: JOSHUA GERRIE/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		1/24/2024	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









**CHAIN OF CUSTODY**

PROJECT NUMBER <i>2018100104.01</i>	SITE NAME/ADDRESS <i>Bear Lake 13 CPF</i>	COMPANY/NAME <i>Lambda Energy Resources</i>
SAMPLED BY <i>Joshua Gerrie</i>	COMPANY <i>Gosling Czubak</i>	GTA PROJECT # <i>012324-2</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS	
1	MW-22s	1-23-24		GW	BTEX+4	
2	MW-43	↓	↓	↓	↓	
3	SB-TB-9(TW)					
4	MW-47					
5	MW-37					
6	MW-33					
7	MW-46					
8	MW-50					BTEX+4 + Chloride
9	MW-6					
10	Sump					
11	MW-1					

BILL TO: <i>Lambda Energy Resources</i>	TempRec: <input type="checkbox"/> <i>1.5° C</i>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: <i>Jeff Simsa</i>
RELEASED BY <i>[Signature]</i>	DATE/TIME <i>1-23-24 / 1650</i>	RECEIVED BY <i>[Signature]</i>	DATE/TIME <i>1/23/24 1650</i>

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