



**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: 2018100134.01  
GTA ProjNo: 072021-3

Site Addr: UNION 28 CPF

Sampled By: MARK STOVER/GCES  
Date Rec: 7/20/2021  
Time Rec: 3:52 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	7/20/2021	12:15 PM	WATER
2	MW-4S	7/20/2021	1:15 PM	WATER
3	MW-4M	7/20/2021	3:15 PM	WATER
4	MW-5	7/20/2021	2:40 PM	WATER
5	MW-6	7/20/2021	2:00 PM	WATER
6	MW-8	7/20/2021	10:20 AM	WATER
7	MW-16S	7/20/2021	11:15 AM	WATER
8	DUPLICATE	7/20/2021		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  
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SP: 231-590-0291  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100134.01  
 LOCATION: UNION 28 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-1

GTA PROJECT NO: 072021-3  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 7/20/2021  
 TIME SAMPLED: 12:15 PM  
 DATE RECEIVED: 7/20/2021  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: MARK STOVER/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/24/2021	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: 2018100134.01  
 LOCATION: UNION 28 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-4S

GTA PROJECT NO: 072021-3  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 7/20/2021  
 TIME SAMPLED: 1:15 PM  
 DATE RECEIVED: 7/20/2021  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: MARK STOVER/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/24/2021	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: 2018100134.01  
 LOCATION: UNION 28 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-4M

GTA PROJECT NO: 072021-3  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 7/20/2021  
 TIME SAMPLED: 3:15 PM  
 DATE RECEIVED: 7/20/2021  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: MARK STOVER/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/24/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	7.4	1.0					
Xylene(Total)	290	3.0					
1,2,4-Trimethylbenzene	340	1.0					
1,3,5-Trimethylbenzene	210	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100134.01  
 LOCATION: UNION 28 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-5

GTA PROJECT NO: 072021-3  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 7/20/2021  
 TIME SAMPLED: 2:40 PM  
 DATE RECEIVED: 7/20/2021  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: MARK STOVER/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/24/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	5.9	1.0					
Xylene(Total)	69	3.0					
1,2,4-Trimethylbenzene	57	1.0					
1,3,5-Trimethylbenzene	39	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100134.01  
 LOCATION: UNION 28 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-6

GTA PROJECT NO: 072021-3  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 7/20/2021  
 TIME SAMPLED: 2:00 PM  
 DATE RECEIVED: 7/20/2021  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: MARK STOVER/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/24/2021	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: 2018100134.01  
 LOCATION: UNION 28 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-8

GTA PROJECT NO: 072021-3  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 7/20/2021  
 TIME SAMPLED: 10:20 AM  
 DATE RECEIVED: 7/20/2021  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: MARK STOVER/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/24/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	18	1.0					
Xylene(Total)	48	3.0					
1,2,4-Trimethylbenzene	3.2	1.0					
1,3,5-Trimethylbenzene	21	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100134.01  
 LOCATION: UNION 28 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-16S

GTA PROJECT NO: 072021-3  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 7/20/2021  
 TIME SAMPLED: 11:15 AM  
 DATE RECEIVED: 7/20/2021  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: MARK STOVER/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/24/2021	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: 2018100134.01  
 LOCATION: UNION 28 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: DUPLICATE

GTA PROJECT NO: 072021-3  
 GTA SAMPLE NO: 8  
 DATE SAMPLED: 7/20/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 7/20/2021  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: MARK STOVER/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/24/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	6.8	1.0					
Xylene(Total)	280	3.0					
1,2,4-Trimethylbenzene	360	1.0					
1,3,5-Trimethylbenzene	220	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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**CHAIN OF CUSTODY**

PROJECT NUMBER <i>2018/00134.01</i>	SITE NAME/ADDRESS <i>UNION 28 CPF</i>	COMPANY/NAME <i>LAMBDA ENERGY</i>
SAMPLED BY <i>MARK STOVER</i>	COMPANY <i>G.C.E.S.</i>	GTA PROJECT # <i>072021-3</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>MW-1</i>	<i>7-20-21</i>	<i>12:15</i>	<i>GW</i>	<i>BTEX + 4</i>
2	<i>MW-4S</i>	↓	<i>13:15</i>	↓	↓
3	<i>MW-4M</i>		<i>15:15</i>		
4	<i>MW-5</i>		<i>14:40</i>		
5	<i>MW-6</i>		<i>14:00</i>		
6	<i>MW-8</i>		<i>10:20</i>		
7	<i>MW-16S</i>		<i>11:15</i>		
8	<i>DUPLICATE</i>		<i>-</i>		

**BILL TO:** *LAMBDA ENERGY*

**REPORT TO:** *ADAM BITEMAN*

<b>RELEASED BY</b> <i>[Signature]</i>	<b>DATE/TIME</b> <i>7-20-21</i>	<b>RECEIVED BY</b> <i>[Signature]</i>	<b>DATE/TIME</b> <i>7/20/21 3:52</i>
			<i>rec 4.0°C</i>
			<i>DNTR</i>

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