



**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: 2018100131.01  
GTA ProjNo: 120721-5

Site Addr: FOSTER 1-12 SWF

Sampled By: JOSHUA GERRIE/GCES  
Date Rec: 12/7/2021  
Time Rec: 3:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	PUMP BLANK	12/6/2021		WATER
2	MW-4A	12/6/2021		WATER
3	MW-4B	12/6/2021		WATER
4	MW-4C	12/6/2021		WATER
5	MW-6	12/6/2021		WATER
6	MW-8	12/6/2021		WATER
7	MW-9	12/6/2021		WATER
8	MW-14	12/6/2021		WATER
9	MW-18A	12/6/2021		WATER
10	MW-19B	12/6/2021		WATER
11	MW-26B	12/6/2021		WATER
12	MW-2	12/7/2021		WATER
13	MW-5	12/7/2021		WATER
14	MW-10	12/7/2021		WATER
15	MW-15	12/7/2021		WATER
16	MW-17	12/7/2021		WATER
17	MW-21	12/7/2021		WATER
18	MW-22	12/7/2021		WATER
19	MW-23	12/7/2021		WATER
20	MW-24	12/7/2021		WATER
21	MW-25	12/7/2021		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  
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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: PUMP BLANK

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-4A

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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.  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-4B

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-4C

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100131.01  
LOCATION: FOSTER 1-12 SWF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-6

GTA PROJECT NO: 120721-5  
GTA SAMPLE NO: 5  
DATE SAMPLED: 12/6/2021  
TIME SAMPLED:  
DATE RECEIVED: 12/7/2021  
TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-8

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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.  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-9

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	17	1.0					
1,3,5-Trimethylbenzene	9.8	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-14

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 8  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	9.9	1.0					
1,3,5-Trimethylbenzene	6.3	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-18A

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 9  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-19B

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 10  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-26B

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 11  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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.  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-2

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 12  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-5

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 13  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-10

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 14  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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.  
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PH: 231-929-0905

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-15

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 15  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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.  
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 LOD = LIMIT OF DETECTION



**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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-17

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 16  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-21

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 17  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-22

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 18  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-23

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 19  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	10	1.0					
1,3,5-Trimethylbenzene	4.2	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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 LOD = LIMIT OF DETECTION



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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-24

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 20  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-25

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 21  
 DATE SAMPLED: 12/7/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/8/2021	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



**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC      GTA PROJECT NO: 120721-5  
PROJECT NO: 2018100131.01      GTA SAMPLE NO: 2  
LOCATION: FOSTER 1-12 SWF      DATE SAMPLED: 12/6/2021  
TIME SAMPLED:  
DATE RECEIVED: 12/7/2021  
TIME RECEIVED: 3:30 PM  
MI  
SAMPLED BY: JOSHUA GERRIE/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</u>
	SAMPLE ID: MW-4A CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	12/8/2021	WATER

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



**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC      GTA PROJECT NO: 120721-5  
PROJECT NO: 2018100131.01      GTA SAMPLE NO: 3  
LOCATION: FOSTER 1-12 SWF      DATE SAMPLED: 12/6/2021  
TIME SAMPLED:  
DATE RECEIVED: 12/7/2021  
TIME RECEIVED: 3:30 PM  
MI  
SAMPLED BY: JOSHUA GERRIE/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</u>
	SAMPLE ID: MW-4B CHLORIDE EPA 300.0	33	10	mg/L (PPM)	TR	12/8/2021	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: 2018100131.01  
 LOCATION: FOSTER 1-12 SWF

GTA PROJECT NO: 120721-5  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 12/6/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 12/7/2021  
 TIME RECEIVED: 3:30 PM

MI  
 SAMPLED BY: JOSHUA GERRIE/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</u>
	SAMPLE ID: MW-9 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	12/8/2021	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

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	120721-5
PROJECT NO:	2018100131.01	GTA SAMPLE NO:	18
LOCATION:	FOSTER 1-12 SWF	DATE SAMPLED:	12/7/2021
		TIME SAMPLED:	
		DATE RECEIVED:	12/7/2021
		TIME RECEIVED:	3:30 PM
	MI		
SAMPLED BY:	JOSHUA GERRIE/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</u>
	SAMPLE ID: MW-22 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	12/8/2021	WATER

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







Page 1 of 2

**CHAIN OF CUSTODY**

PROJECT NUMBER 2018100131.01	SITE NAME/ADDRESS Foster 1-12 SWF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Gerrie	COMPANY Gosling Czubak	GTA PROJECT # 20721-5

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	Pump Blank	12-6-21		W	BTEX+4
2	MW-4A	↓		GW	BTEX+4 + Chloride
3	MW-4B				
4	MW-4C				
5	MW-6				
6	MW-8				
7	MW-9				
8	MW-14				
9	MW-18A				
10	MW-19B				
11	MW-26B		↓		
12	MW-2	12-7-21			
13	MW-5	↓			
14	MW-10				
15	MW-15		↓		

<b>BILL TO:</b> Lambda Energy Resources	TempRec: <input type="checkbox"/> 4.0°C	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<b>REPORT TO:</b> Jeff Simsa
--------------------------------------------	--------------------------------------------	--------------------------------------------------------------------------	---------------------------------

<b>RELEASED BY</b> <i>[Signature]</i>	<b>DATE/TIME</b> 12-7-21/1530	<b>RECEIVED BY</b> <i>[Signature]</i>	<b>DATE/TIME</b> 12/7/21 1530 REC-4
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS

