



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
GTA ProjNo: 060222-14

Site Addr: FOSTER 1-12 CPF

Sampled By: D. THOMAS/GCES
Date Rec: 6/2/2022
Time Rec: 3:50 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-6	6/2/2022	9:55 AM	WATER
2	MW-22	6/2/2022	10:30 AM	WATER
3	MW-4C	6/2/2022	11:10 AM	WATER
4	MW-4B	6/2/2022	11:30 AM	WATER
5	MW-4A	6/2/2022	12:10 PM	WATER
6	MW-23	6/2/2022	12:50 PM	WATER
7	MW-5	6/2/2022	1:25 PM	WATER
8	MW-25	6/2/2022	2:35 PM	WATER
9	MW-21	6/2/2022	3:00 PM	WATER
10	FIELD BLANK	6/2/2022		WATER
11	TRIP BLANK	6/2/2022		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



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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100131
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-6

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 1
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 9:55 AM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	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
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-22

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 2
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 10:30 AM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/3/2022	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
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-4C

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 3
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 11:10 AM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100131
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-4B

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 4
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 11:30 AM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/3/2022	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
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-4A

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 5
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 12:10 PM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	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
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-23

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 6
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 12:50 PM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	4.0	1.0					
1,3,5-Trimethylbenzene	1.9	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
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-5

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 7
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 1:25 PM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	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
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-25

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 8
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 2:35 PM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	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
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-21

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 9
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 3:00 PM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	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



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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100131
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: FIELD BLANK

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 10
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED:
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	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
 LOCATION: FOSTER 1-12 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: TRIP BLANK

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 11
 DATE SAMPLED: 6/2/2022
 TIME SAMPLED:
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

SAMPLED BY: D. THOMAS/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		6/3/2022	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



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COMPANY: LAMBDA ENERGY RESOURCES, LLC GTA PROJECT NO: 060222-14
PROJECT NO: 2018100131 GTA SAMPLE NO: 1
LOCATION: FOSTER 1-12 CPF DATE SAMPLED: 6/2/2022
TIME SAMPLED: 9:55 AM
DATE RECEIVED: 6/2/2022
TIME RECEIVED: 3:50 PM
MI
SAMPLED BY: D. THOMAS/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-6							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/AS	6/6/2022	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
 LOCATION: FOSTER 1-12 CPF

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 2

DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 10:30 AM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

MI
 SAMPLED BY: D. THOMAS/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)	KC/AS	6/6/2022	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
 LOCATION: FOSTER 1-12 CPF

GTA PROJECT NO: 060222-14
 GTA SAMPLE NO: 4

DATE SAMPLED: 6/2/2022
 TIME SAMPLED: 11:30 AM
 DATE RECEIVED: 6/2/2022
 TIME RECEIVED: 3:50 PM

MI
 SAMPLED BY: D. THOMAS/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	ND	10	mg/L (PPM)	KC/AS	6/6/2022	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 2018100131	SITE NAME/ADDRESS Foster 1-12 CPF	COMPANY/NAME Lambda
SAMPLED BY D. Thomas	COMPANY GCES	GTA PROJECT # 000222-14

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS	
1	MW-6	6/2/2022	9 55	GW	BTEX+4, CI-	
2	MW-22		10 30		↓	
3	MW-4C		11 10			
4	MW-4B		11 30			
5	MW-4A		12 10			
6	MW-23		12 50			
7	MW-5		13 25			
8	MW-25		14 35			
9	MW-21		15 00			
10	Field Blank					BTEX+4
11	Trip Blank					↓

BILL TO: GCES	TempRec: <input type="checkbox"/> 2.30c	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: J. Simsa
------------------	--	--	------------------------

RELEASED BY <i>Daniel Stone</i>	DATE/TIME 6/2/22 350	RECEIVED BY <i>[Signature]</i>	DATE/TIME 6/2/22 350
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS