



**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: 2018100135.01  
GTA ProjNo: 121423-4

Site Addr: CLEON 11 CPF

Sampled By: T. ACKLER/GCES  
Date Rec: 12/14/2023  
Time Rec: 2:15 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4	12/14/2023	11:00 AM	WATER
2	MW-4M	12/14/2023	11:10 AM	WATER
3	MW-4D	12/14/2023	11:20 AM	WATER
4	MW-5	12/14/2023	10:20 AM	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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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100135.01

LOCATION: CLEON 11 CPF

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4

GTA PROJECT NO: 121423-4

GTA SAMPLE NO: 1

DATE SAMPLED: 12/14/2023

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 12/14/2023

TIME RECEIVED: 2:15 PM

SAMPLED BY: T. ACKLER/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		12/14/2023	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: 2018100135.01

LOCATION: CLEON 11 CPF

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4M

GTA PROJECT NO: 121423-4

GTA SAMPLE NO: 2

DATE SAMPLED: 12/14/2023

TIME SAMPLED: 11:10 AM

DATE RECEIVED: 12/14/2023

TIME RECEIVED: 2:15 PM

SAMPLED BY: T. ACKLER/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		12/14/2023	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: 2018100135.01  
 LOCATION: CLEON 11 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-4D

GTA PROJECT NO: 121423-4  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 12/14/2023  
 TIME SAMPLED: 11:20 AM  
 DATE RECEIVED: 12/14/2023  
 TIME RECEIVED: 2:15 PM

SAMPLED BY: T. ACKLER/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		12/14/2023	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: 2018100135.01  
 LOCATION: CLEON 11 CPF  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-5

GTA PROJECT NO: 121423-4  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 12/14/2023  
 TIME SAMPLED: 10:20 AM  
 DATE RECEIVED: 12/14/2023  
 TIME RECEIVED: 2:15 PM

SAMPLED BY: T. ACKLER/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		12/14/2023	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: 2018100135.01  
LOCATION: CLEON 11 CPF

GTA PROJECT NO: 121423-4  
GTA SAMPLE NO: 1  
DATE SAMPLED: 12/14/2023  
TIME SAMPLED: 11:00 AM  
DATE RECEIVED: 12/14/2023  
TIME RECEIVED: 2:15 PM

MI  
SAMPLED BY: T. ACKLER/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 Matrix</u>
SAMPLE ID: MW-4	CHLORIDE EPA 300.0	61	10	mg/L (PPM)	KC/TR	12/14/2023	WATER

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  
PROJECT NO: 2018100135.01  
LOCATION: CLEON 11 CPF

GTA PROJECT NO: 121423-4  
GTA SAMPLE NO: 2

DATE SAMPLED: 12/14/2023  
TIME SAMPLED: 11:10 AM  
DATE RECEIVED: 12/14/2023  
TIME RECEIVED: 2:15 PM

MI  
SAMPLED BY: T. ACKLER/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 Matrix</u>
SAMPLE ID:	MW-4M	ND	10	mg/L (PPM)	KC/TR	12/14/2023	WATER
	CHLORIDE EPA 300.0						

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: 2018100135.01  
 LOCATION: CLEON 11 CPF

GTA PROJECT NO: 121423-4  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 12/14/2023  
 TIME SAMPLED: 11:20 AM  
 DATE RECEIVED: 12/14/2023  
 TIME RECEIVED: 2:15 PM

MI  
 SAMPLED BY: T. ACKLER/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 Matrix</u>
SAMPLE ID: MW-4D	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	12/14/2023	WATER

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 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 2018100135.01  
 LOCATION: CLEON 11 CPF

GTA PROJECT NO: 121423-4  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 12/14/2023  
 TIME SAMPLED: 10:20 AM  
 DATE RECEIVED: 12/14/2023  
 TIME RECEIVED: 2:15 PM

MI  
 SAMPLED BY: T. ACKLER/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 Matrix</u>
SAMPLE ID: MW-5	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	12/14/2023	WATER

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

