

**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: 20-116
GTA ProjNo: 062623-5

Site Addr: FREDERIC 2

Sampled By: WPM/OMPC
Date Rec: 6/26/2023
Time Rec: 9:05 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1SR	6/23/2023	3:15 PM	WATER
2	MW-2	6/23/2023	2:35 PM	WATER
3	MW-3	6/23/2023	3:55 PM	WATER
4	MW-4	6/23/2023	2:00 PM	WATER
5	MW-4M	6/23/2023	1:30 PM	WATER
6	MW-5	6/23/2023	2:25 PM	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
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-116
LOCATION: FREDERIC 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1SR

GTA PROJECT NO: 062623-5
GTA SAMPLE NO: 1
DATE SAMPLED: 6/23/2023
TIME SAMPLED: 3:15 PM
DATE RECEIVED: 6/26/2023
TIME RECEIVED: 9:05 AM
SAMPLED BY: WPM/OMPC

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		6/27/2023	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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-116
LOCATION: FREDERIC 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 062623-5
GTA SAMPLE NO: 2
DATE SAMPLED: 6/23/2023
TIME SAMPLED: 2:35 PM
DATE RECEIVED: 6/26/2023
TIME RECEIVED: 9:05 AM
SAMPLED BY: WPM/OMPC

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		6/27/2023	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					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	062623-5
PROJECT NO:	20-116	GTA SAMPLE NO:	3
LOCATION:	FREDERIC 2	DATE SAMPLED:	6/23/2023
		TIME SAMPLED:	3:55 PM
	MI	DATE RECEIVED:	6/26/2023
		TIME RECEIVED:	9:05 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-3	SAMPLED BY:	WPM/OMPC

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		6/27/2023	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					

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-116
LOCATION: FREDERIC 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4

GTA PROJECT NO: 062623-5
GTA SAMPLE NO: 4
DATE SAMPLED: 6/23/2023
TIME SAMPLED: 2:00 PM
DATE RECEIVED: 6/26/2023
TIME RECEIVED: 9:05 AM
SAMPLED BY: WPM/OMPC

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		6/27/2023	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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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	062623-5
PROJECT NO:	20-116	GTA SAMPLE NO:	5
LOCATION:	FREDERIC 2	DATE SAMPLED:	6/23/2023
		TIME SAMPLED:	1:30 PM
	MI	DATE RECEIVED:	6/26/2023
		TIME RECEIVED:	9:05 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-4M	SAMPLED BY:	WPM/OMPC

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		6/27/2023	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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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	062623-5
PROJECT NO:	20-116	GTA SAMPLE NO:	6
LOCATION:	FREDERIC 2	DATE SAMPLED:	6/23/2023
		TIME SAMPLED:	2:25 PM
	MI	DATE RECEIVED:	6/26/2023
		TIME RECEIVED:	9:05 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-5	SAMPLED BY:	WPM/OMPC

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		6/27/2023	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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LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 062623-5

PROJECT NO: 20-116

GTA SAMPLE NO: 1

LOCATION: FREDERIC 2

DATE SAMPLED: 6/23/2023

TIME SAMPLED: 3:15 PM

DATE RECEIVED: 6/26/2023

TIME RECEIVED: 9:05 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-1SR

CHLORIDE EPA 300.0

Concentration

16

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

7/6/2023

Sample Matrix

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

GTA PROJECT NO: 062623-5

PROJECT NO: 20-116

GTA SAMPLE NO: 2

LOCATION: FREDERIC 2

DATE SAMPLED: 6/23/2023

TIME SAMPLED: 2:35 PM

DATE RECEIVED: 6/26/2023

TIME RECEIVED: 9:05 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-2

CHLORIDE EPA 300.0

Concentration

42

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

7/6/2023

Sample Matrix

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: 20-116

LOCATION: FREDERIC 2

GTA PROJECT NO: 062623-5

GTA SAMPLE NO: 3

DATE SAMPLED: 6/23/2023

TIME SAMPLED: 3:55 PM

DATE RECEIVED: 6/26/2023

TIME RECEIVED: 9:05 AM

SAMPLED BY: MI
WPM/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-3

CHLORIDE EPA 300.0

Concentration

13

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

7/6/2023

Sample Matrix

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: 20-116

LOCATION: FREDERIC 2

MI
SAMPLED BY: WPM/OMPC

GTA PROJECT NO: 062623-5

GTA SAMPLE NO: 4

DATE SAMPLED: 6/23/2023

TIME SAMPLED: 2:00 PM

DATE RECEIVED: 6/26/2023

TIME RECEIVED: 9:05 AM

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-4

CHLORIDE EPA 300.0

Concentration

57

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

7/6/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 062623-5

PROJECT NO: 20-116

GTA SAMPLE NO: 5

LOCATION: FREDERIC 2

DATE SAMPLED: 6/23/2023

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 6/26/2023

TIME RECEIVED: 9:05 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-4M

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
ND	10	mg/L (PPM)	KC/TR	7/6/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 062623-5

PROJECT NO: 20-116

GTA SAMPLE NO: 6

LOCATION: FREDERIC 2

DATE SAMPLED: 6/23/2023

TIME SAMPLED: 2:25 PM

DATE RECEIVED: 6/26/2023

TIME RECEIVED: 9:05 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-5

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
14	10	mg/L (PPM)	KC/TR	7/6/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

