

**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: 062521-22

Site Addr: FREDERIC 2

Sampled By: SEAN CLARK/OMPC
Date Rec: 6/25/2021
Time Rec: 3:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1SR	6/25/2021	1:11 PM	WATER
2	MW-2	6/25/2021	12:10 PM	WATER
3	MW-3	6/25/2021	1:30 PM	WATER
4	MW-4	6/25/2021	1:00 PM	WATER
5	MW-4M	6/25/2021	12:43 PM	WATER
6	MW-5	6/25/2021	11:20 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
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

**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: 20-116
LOCATION: FREDERIC 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1SR

GTA PROJECT NO: 062521-22
GTA SAMPLE NO: 1
DATE SAMPLED: 6/25/2021
TIME SAMPLED: 1:11 PM
DATE RECEIVED: 6/25/2021
TIME RECEIVED: 3:40 PM
SAMPLED BY: SEAN CLARK/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		6/26/2021	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**

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: 20-116
LOCATION: FREDERIC 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 062521-22
GTA SAMPLE NO: 2
DATE SAMPLED: 6/25/2021
TIME SAMPLED: 12:10 PM
DATE RECEIVED: 6/25/2021
TIME RECEIVED: 3:40 PM
SAMPLED BY: SEAN CLARK/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		6/26/2021	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**

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: 20-116
LOCATION: FREDERIC 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3

GTA PROJECT NO: 062521-22
GTA SAMPLE NO: 3
DATE SAMPLED: 6/25/2021
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 6/25/2021
TIME RECEIVED: 3:40 PM
SAMPLED BY: SEAN CLARK/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		6/26/2021	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	GTA PROJECT NO:	062521-22
PROJECT NO:	20-116	GTA SAMPLE NO:	4
LOCATION:	FREDERIC 2	DATE SAMPLED:	6/25/2021
		TIME SAMPLED:	1:00 PM
	MI	DATE RECEIVED:	6/25/2021
		TIME RECEIVED:	3:40 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-4	SAMPLED BY:	SEAN CLARK/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	5.1	1.0	ug/L (PPB)	MR		6/26/2021	EPA 5030B
Toluene	5.2	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: 20-116
LOCATION: FREDERIC 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4M

GTA PROJECT NO: 062521-22
GTA SAMPLE NO: 5
DATE SAMPLED: 6/25/2021
TIME SAMPLED: 12:43 PM
DATE RECEIVED: 6/25/2021
TIME RECEIVED: 3:40 PM
SAMPLED BY: SEAN CLARK/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		6/26/2021	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**

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: 20-116
LOCATION: FREDERIC 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5

GTA PROJECT NO: 062521-22
GTA SAMPLE NO: 6
DATE SAMPLED: 6/25/2021
TIME SAMPLED: 11:20 AM
DATE RECEIVED: 6/25/2021
TIME RECEIVED: 3:40 PM
SAMPLED BY: SEAN CLARK/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		6/26/2021	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**

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: 20-116
LOCATION: FREDERIC 2
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 062521-22
GTA SAMPLE NO: 1
DATE SAMPLED: 6/25/2021
TIME SAMPLED: 1:11 PM
DATE RECEIVED: 6/25/2021
TIME RECEIVED: 3:40 PM

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-1SR CHLORIDE EPA 300.0	26	10	mg/L (PPM)	LV	7/2/2021	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

www.gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-116

LOCATION: FREDERIC 2

GTA PROJECT NO: 062521-22

GTA SAMPLE NO: 2

DATE SAMPLED: 6/25/2021

TIME SAMPLED: 12:10 PM

DATE RECEIVED: 6/25/2021

TIME RECEIVED: 3:40 PM

SAMPLED BY: MI
SEAN CLARK/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-2

CHLORIDE EPA 300.0

Concentration

200

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

7/2/2021

Sample

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: 20-116

LOCATION: FREDERIC 2

MI

SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 062521-22

GTA SAMPLE NO: 3

DATE SAMPLED: 6/25/2021

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 6/25/2021

TIME RECEIVED: 3:40 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-3

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

7/2/2021

Sample

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

www.gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-116
LOCATION: FREDERIC 2
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 062521-22
GTA SAMPLE NO: 4
DATE SAMPLED: 6/25/2021
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 6/25/2021
TIME RECEIVED: 3:40 PM

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-4							
CHLORIDE EPA 300.0		92	10	mg/L (PPM)	LV	7/2/2021	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

www.gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-116

LOCATION: FREDERIC 2

GTA PROJECT NO: 062521-22

GTA SAMPLE NO: 5

DATE SAMPLED: 6/25/2021

TIME SAMPLED: 12:43 PM

DATE RECEIVED: 6/25/2021

TIME RECEIVED: 3:40 PM

SAMPLED BY: MI
SEAN CLARK/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-4M

CHLORIDE EPA 300.0

Concentration

460

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

7/2/2021

Sample

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

www.gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-116
LOCATION: FREDERIC 2
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 062521-22
GTA SAMPLE NO: 6
DATE SAMPLED: 6/25/2021
TIME SAMPLED: 11:20 AM
DATE RECEIVED: 6/25/2021
TIME RECEIVED: 3:40 PM

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-5							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	7/2/2021	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

www.gtanalytical.com

CHAIN OF CUSTODY

PROJECT NUMBER 20-116	SITE NAME/ADDRESS Frederic 2	COMPANY/NAME Lambada
SAMPLED BY Sean Clark	COMPANY Stowell Mawbey	GTA PROJECT # 062321-22

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1SR	6/25/2021	1:11pm	H ₂ O	BTEX+4, Chloride
2	MW-2	↓	12:10pm	H ₂ O	↓
3	MW-3	↓	1:30pm	H ₂ O	↓
4	MW-4	↓	1:00pm	H ₂ O	↓
5	MW-4m	↓	12:43pm	H ₂ O	↓
6	MW-5	↓	11:20am	H ₂ O	↓

BILL TO:

Lambada

REPORT TO:

Stowell Mawbey

RELEASED BY [Signature]	DATE/TIME 6/25/21 @ 3:40pm	RECEIVED BY [Signature]	DATE/TIME 6/25/21 3:40
		REC'd 3:40 on 6/25	

REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS