



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:

Site Addr: FREDERIC 1-10

GTA ProjNo: 062421-5

Sampled By: DAN BARTON/OMPC
Date Rec: 6/24/2021
Time Rec: 6:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	6/24/2021	11:00 AM	WATER
2	MW-3	6/24/2021	10:00 AM	WATER
3	MW-4	6/24/2021	9:05 AM	WATER
4	MW-5	6/24/2021	3:55 PM	WATER
5	MW-6S	6/24/2021	1:30 PM	WATER
6	MW-6D	6/24/2021	2:20 PM	WATER
7	MW-7	6/24/2021	3:05 PM	WATER
8	MW-8	6/24/2021	12:05 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
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
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Fx: 231-929-0894
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO:
 LOCATION: FREDERIC 1-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-1

GTA PROJECT NO: 062421-5
 GTA SAMPLE NO: 1
 DATE SAMPLED: 6/24/2021
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 6/24/2021
 TIME RECEIVED: 6:00 PM

SAMPLED BY: DAN BARTON/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		6/25/2021	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:
 LOCATION: FREDERIC 1-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-3

GTA PROJECT NO: 062421-5
 GTA SAMPLE NO: 2
 DATE SAMPLED: 6/24/2021
 TIME SAMPLED: 10:00 AM
 DATE RECEIVED: 6/24/2021
 TIME RECEIVED: 6:00 PM

SAMPLED BY: DAN BARTON/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		6/25/2021	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:
 LOCATION: FREDERIC 1-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-5

GTA PROJECT NO: 062421-5
 GTA SAMPLE NO: 4
 DATE SAMPLED: 6/24/2021
 TIME SAMPLED: 3:55 PM
 DATE RECEIVED: 6/24/2021
 TIME RECEIVED: 6:00 PM

SAMPLED BY: DAN BARTON/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		6/25/2021	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:
 LOCATION: FREDERIC 1-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-6S

GTA PROJECT NO: 062421-5
 GTA SAMPLE NO: 5
 DATE SAMPLED: 6/24/2021
 TIME SAMPLED: 1:30 PM
 DATE RECEIVED: 6/24/2021
 TIME RECEIVED: 6:00 PM

SAMPLED BY: DAN BARTON/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		6/25/2021	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:
 LOCATION: FREDERIC 1-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-6D

GTA PROJECT NO: 062421-5
 GTA SAMPLE NO: 6
 DATE SAMPLED: 6/24/2021
 TIME SAMPLED: 2:20 PM
 DATE RECEIVED: 6/24/2021
 TIME RECEIVED: 6:00 PM

SAMPLED BY: DAN BARTON/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		6/25/2021	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:
 LOCATION: FREDERIC 1-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-7

GTA PROJECT NO: 062421-5
 GTA SAMPLE NO: 7
 DATE SAMPLED: 6/24/2021
 TIME SAMPLED: 3:05 PM
 DATE RECEIVED: 6/24/2021
 TIME RECEIVED: 6:00 PM

SAMPLED BY: DAN BARTON/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		6/25/2021	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:
 LOCATION: FREDERIC 1-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-8

GTA PROJECT NO: 062421-5
 GTA SAMPLE NO: 8
 DATE SAMPLED: 6/24/2021
 TIME SAMPLED: 12:05 PM
 DATE RECEIVED: 6/24/2021
 TIME RECEIVED: 6:00 PM

SAMPLED BY: DAN BARTON/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		6/25/2021	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

GTA PROJECT NO: 062421-5

GTA SAMPLE NO: 1

PROJECT NO:

LOCATION: FREDERIC 1-10

DATE SAMPLED: 6/24/2021

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 6/24/2021

TIME RECEIVED: 6:00 PM

MI

SAMPLED BY: DAN BARTON/OMPC

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-1							
CHLORIDE EPA 300.0		12	10	mg/L (PPM)	LV	6/25/2021	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 062421-5

GTA SAMPLE NO: 2

PROJECT NO:

LOCATION: FREDERIC 1-10

DATE SAMPLED: 6/24/2021

TIME SAMPLED: 10:00 AM

DATE RECEIVED: 6/24/2021

TIME RECEIVED: 6:00 PM

MI

SAMPLED BY: DAN BARTON/OMPC

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-3	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/25/2021	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: 062421-5

PROJECT NO:

GTA SAMPLE NO: 3

LOCATION: FREDERIC 1-10

DATE SAMPLED: 6/24/2021

TIME SAMPLED: 9:05 AM

DATE RECEIVED: 6/24/2021

TIME RECEIVED: 6:00 PM

MI

SAMPLED BY: DAN BARTON/OMPC

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	ND	10	mg/L (PPM)	LV	6/25/2021	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 062421-5

PROJECT NO:

GTA SAMPLE NO: 4

LOCATION: FREDERIC 1-10

DATE SAMPLED: 6/24/2021

TIME SAMPLED: 3:55 PM

DATE RECEIVED: 6/24/2021

TIME RECEIVED: 6:00 PM

MI

SAMPLED BY: DAN BARTON/OMPC

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		32	10	mg/L (PPM)	LV	6/25/2021	WATER
CHLORIDE EPA 300.0							

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

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS <i>Frederick 1-16</i>	COMPANY/NAME <i>Lamba</i>
SAMPLED BY <i>Don Barton</i>	COMPANY <i>Ottwell Mandy</i>	GTA PROJECT # <i>062421-5</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	6/24/21	11:00	GW	BTEX, HAPs, Chlorides
2	MW-3	↓	10:00	↓	↓
3	MW-4		9:05		
4	MW-5		15:55		
5	MW-6S		13:30		
6	MW-6D		14:20		
7	MW-7		15:05		
8	MW-8		12:05		

BILL TO:	TempRec: <input type="checkbox"/> <i>39°C</i>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: <i>Melzer Center</i>
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RELEASED BY <i>[Signature]</i>	DATE/TIME <i>6/24/21 18:00</i>	RECEIVED BY <i>[Signature]</i>	DATE/TIME <i>6/24/21 6:00</i>
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS