

**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: 2018100168.01

GTA ProjNo: 031422-8

Site Addr: JOHNSON HILLIARD 7-26

Sampled By: JOSHUA GERRIE/GCES

Date Rec: 3/14/2022

Time Rec: 5:05 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-17I	3/14/2022		WATER
2	MW-18	3/14/2022		WATER
3	MW-16	3/14/2022		WATER
4	MW-17	3/14/2022		WATER
5	MW-13I	3/14/2022		WATER
6	MW-13D	3/14/2022		WATER
7	MW-1 (52')	3/14/2022		WATER
8	MW-19	3/14/2022		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
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-171

GTA PROJECT NO: 031422-8
GTA SAMPLE NO: 1
DATE SAMPLED: 3/14/2022
TIME SAMPLED:
DATE RECEIVED: 3/14/2022
TIME RECEIVED: 5:05 PM
SAMPLED BY: JOSHUA GERRIE/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)	KC		3/18/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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: 2018100168.01
LOCATION: JOHNSON HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1 (52')
GTA PROJECT NO: 031422-8
GTA SAMPLE NO: 7
DATE SAMPLED: 3/14/2022
TIME SAMPLED:
DATE RECEIVED: 3/14/2022
TIME RECEIVED: 5:05 PM
SAMPLED BY: JOSHUA GERRIE/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>
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Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD 7-26
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 031422-8
GTA SAMPLE NO: 1
DATE SAMPLED: 3/14/2022
TIME SAMPLED:
DATE RECEIVED: 3/14/2022
TIME RECEIVED: 5:05 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-171 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/21/2022	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 031422-8

PROJECT NO: 2018100168.01

GTA SAMPLE NO: 2

LOCATION: JOHNSON HILLIARD 7-26

DATE SAMPLED: 3/14/2022

TIME SAMPLED:

DATE RECEIVED: 3/14/2022

TIME RECEIVED: 5:05 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-18

CHLORIDE EPA 300.0

Concentration

49

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/21/2022

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD 7-26
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 031422-8
GTA SAMPLE NO: 3
DATE SAMPLED: 3/14/2022
TIME SAMPLED:
DATE RECEIVED: 3/14/2022
TIME RECEIVED: 5:05 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-16						
	CHLORIDE EPA 300.0	44	10	mg/L (PPM)	TR	3/21/2022	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 031422-8

PROJECT NO: 2018100168.01

GTA SAMPLE NO: 4

LOCATION: JOHNSON HILLIARD 7-26

DATE SAMPLED: 3/14/2022

TIME SAMPLED:

DATE RECEIVED: 3/14/2022

TIME RECEIVED: 5:05 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-17

CHLORIDE EPA 300.0

Concentration

290

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/21/2022

Sample

WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD 7-26
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 031422-8
GTA SAMPLE NO: 5
DATE SAMPLED: 3/14/2022
TIME SAMPLED:
DATE RECEIVED: 3/14/2022
TIME RECEIVED: 5:05 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-131							
CHLORIDE EPA 300.0		180	10	mg/L (PPM)	TR	3/21/2022	WATER

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PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD 7-26
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 031422-8
GTA SAMPLE NO: 6
DATE SAMPLED: 3/14/2022
TIME SAMPLED:
DATE RECEIVED: 3/14/2022
TIME RECEIVED: 5:05 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-13D						
	CHLORIDE EPA 300.0	600	50	mg/L (PPM)	TR	3/21/2022	WATER

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LOD = LIMIT OF DETECTION
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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 031422-8

PROJECT NO: 2018100168.01

GTA SAMPLE NO: 7

LOCATION: JOHNSON HILLIARD 7-26

DATE SAMPLED: 3/14/2022

TIME SAMPLED:

DATE RECEIVED: 3/14/2022

TIME RECEIVED: 5:05 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-1 (52')

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

730

50

mg/L (PPM)

TR

3/21/2022

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 031422-8

PROJECT NO: 2018100168.01

GTA SAMPLE NO: 8

LOCATION: JOHNSON HILLIARD 7-26

DATE SAMPLED: 3/14/2022

TIME SAMPLED:

DATE RECEIVED: 3/14/2022

TIME RECEIVED: 5:05 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-19

CHLORIDE EPA 300.0

Concentration

1,000

LOD

50

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/21/2022

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

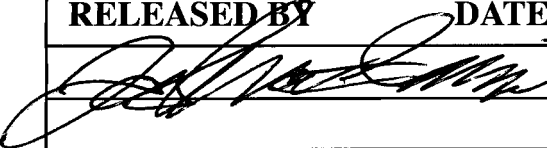
s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER 2018100108.01	SITE NAME/ADDRESS Johnson-Hilliard 7-26	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Gennie Gosling Czysak	COMPANY GTA PROJECT # 031422-8	

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-17I	3-14-22		GW	BTEX + Chloride
2	MW-18				Chloride
3	MW-16				
4	MW-17				
5	MW-13I				
6	MW-13D				
7	MW-1 (52')				BTEX + Chloride
8	MW-19				Chloride

BILL TO: Lambda Energy Resources	TempRec: ☐ 5.7°C	On Ice? ☒ Y ☐ N	REPORT TO: Jeff Simsa
RELEASED BY 	DATE/TIME 3-14-22/17:05	RECEIVED BY K-Ch	DATE/TIME 3/14/22 17:05
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			