

**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: 2018100168.03

GTA ProjNo: 020421-1

Site Addr: JOHNSON-HILLIARD 7-26

Sampled By: PETE KALLIOINEN/GCES

Date Rec: 2/4/2021

Time Rec: 2:23 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-17	2/2/2021		WATER
2	VAP-4 (57-62')	2/2/2021		WATER
3	VAP-4 (47-52')	2/2/2021		WATER
4	VAP-4 (38-43')	2/2/2021		WATER
5	VAP-4 (26-31')	2/2/2021		WATER
6	VAP-4 (14-19')	2/2/2021		WATER
7	VAP-5 (59-64')	2/3/2021		WATER
8	VAP-5 (33-38')	2/3/2021		WATER
9	VAP-5 (24-29')	2/3/2021		WATER
10	VAP-5 (15-20')	2/3/2021		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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.03
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: PETE KALLIOINEN/GCES

GTA PROJECT NO: 020421-1
GTA SAMPLE NO: 1
DATE SAMPLED: 2/2/2021
TIME SAMPLED:
DATE RECEIVED: 2/4/2021
TIME RECEIVED: 2:23 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-17							
CHLORIDE EPA 300.0		710	50	mg/L (PPM)	LV	2/4/2021	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.03
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: PETE KALLIOINEN/GCES

GTA PROJECT NO: 020421-1
GTA SAMPLE NO: 2
DATE SAMPLED: 2/2/2021
TIME SAMPLED:
DATE RECEIVED: 2/4/2021
TIME RECEIVED: 2:23 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: VAP-4 (57-62')						
	CHLORIDE EPA 300.0	680	50	mg/L (PPM)	LV	2/4/2021	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.03
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: PETE KALLIOINEN/GCES

GTA PROJECT NO: 020421-1
GTA SAMPLE NO: 3
DATE SAMPLED: 2/2/2021
TIME SAMPLED:
DATE RECEIVED: 2/4/2021
TIME RECEIVED: 2:23 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: VAP-4 (47-52')						
	CHLORIDE EPA 300.0	350	10	mg/L (PPM)	LV	2/4/2021	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: 020421-1

PROJECT NO: 2018100168.03

GTA SAMPLE NO: 4

LOCATION: JOHNSON-HILLIARD 7-26

DATE SAMPLED: 2/2/2021

TIME SAMPLED:

DATE RECEIVED: 2/4/2021

TIME RECEIVED: 2:23 PM

MI

SAMPLED BY: PETE KALLIOINEN/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: VAP-4 (38-43')

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

57

10

mg/L (PPM)

LV

2/4/2021

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100168.03

LOCATION: JOHNSON-HILLIARD 7-26

MI

SAMPLED BY: PETE KALLIOINEN/GCES

GTA PROJECT NO: 020421-1

GTA SAMPLE NO: 5

DATE SAMPLED: 2/2/2021

TIME SAMPLED:

DATE RECEIVED: 2/4/2021

TIME RECEIVED: 2:23 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: VAP-4 (26-31')

CHLORIDE EPA 300.0

Concentration

86

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

2/4/2021

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: 2018100168.03
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: PETE KALLIOINEN/GCES

GTA PROJECT NO: 020421-1
GTA SAMPLE NO: 6
DATE SAMPLED: 2/2/2021
TIME SAMPLED:
DATE RECEIVED: 2/4/2021
TIME RECEIVED: 2:23 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: VAP-4 (14-19") CHLORIDE EPA 300.0	35	10	mg/L (PPM)	LV	2/4/2021	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: 020421-1

PROJECT NO: 2018100168.03

GTA SAMPLE NO: 7

LOCATION: JOHNSON-HILLIARD 7-26

DATE SAMPLED: 2/3/2021

TIME SAMPLED:

DATE RECEIVED: 2/4/2021

TIME RECEIVED: 2:23 PM

MI

SAMPLED BY: PETE KALLIOINEN/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: VAP-5 (59-64')

CHLORIDE EPA 300.0

Concentration

23

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

2/4/2021

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: 2018100168.03

LOCATION: JOHNSON-HILLIARD 7-26

MI

SAMPLED BY: PETE KALLIOINEN/GCES

GTA PROJECT NO: 020421-1

GTA SAMPLE NO: 8

DATE SAMPLED: 2/3/2021

TIME SAMPLED:

DATE RECEIVED: 2/4/2021

TIME RECEIVED: 2:23 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: VAP-5 (33-38')

CHLORIDE EPA 300.0

Concentration

470

LOD

50

Units

mg/L (PPM)

Analyst

LV

Date Completed

2/4/2021

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

GTA PROJECT NO: 020421-1

PROJECT NO: 2018100168.03

GTA SAMPLE NO: 9

LOCATION: JOHNSON-HILLIARD 7-26

DATE SAMPLED: 2/3/2021

TIME SAMPLED:

DATE RECEIVED: 2/4/2021

TIME RECEIVED: 2:23 PM

MI

SAMPLED BY: PETE KALLIOINEN/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: VAP-5 (24-29")

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

45

10

mg/L (PPM)

LV

2/4/2021

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.03
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: PETE KALLIOINEN/GCES

GTA PROJECT NO: 020421-1
GTA SAMPLE NO: 10
DATE SAMPLED: 2/3/2021
TIME SAMPLED:
DATE RECEIVED: 2/4/2021
TIME RECEIVED: 2:23 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: VAP-5 (15-20")						
	CHLORIDE EPA 300.0	50	10	mg/L (PPM)	LV	2/4/2021	WATER

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

CHAIN OF CUSTODY

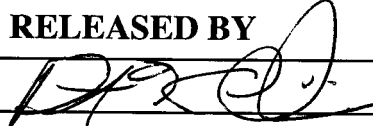
PROJECT NUMBER 2018100168.03	SITE NAME/ADDRESS Johnson-Hilliard 7-26	COMPANY/NAME Lambda Energy
SAMPLED BY Retek	COMPANY LEK	GTA PROJECT # 020421-1

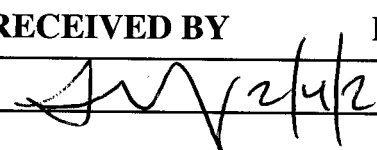
SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-17	2-2-21		Water	Chloride
2	VAP-4 (57-62')				
3	VAP-4 (47-52')				
4	VAP-4 (38-43')				
5	VAP-4 (26-31')				
6	VAP-4 (14-19')				
7	VAP-5 (59-64')	2-3-21			
8	VAP-5 (33-38')				
9	VAP-5 (24-29')				
10	VAP-5 (15-20')				

BILL TO: Gosling Czubak
Attn: Jeff Simsa

REPORT TO: Same

RELEASED BY  **DATE/TIME** 2-4-21 2:23

RECEIVED BY  **DATE/TIME** 2/4/21 2:23

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