

**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: 2018100106.01

GTA ProjNo: 122120-3

Site Addr: HAYES 22 CPF

Sampled By: JOSHUA GERRIE/GCES

Date Rec: 12/21/2020

Time Rec: 3:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	RW-201	12/21/2020	11:45 AM	WATER
2	RW-202	12/21/2020	11:55 AM	WATER
3	MW-133D3	12/21/2020	12:10 PM	WATER
4	MW-134D3	12/21/2020	12:20 PM	WATER
5	MW-135D3	12/21/2020	12:35 PM	WATER
6	MW-136D3	12/21/2020	12:50 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
Ph: 231-929-0905
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SP: 231-590-0291
kirk@gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106.01
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-201

GTA PROJECT NO: 122120-3
GTA SAMPLE NO: 1
DATE SAMPLED: 12/21/2020
TIME SAMPLED: 11:45 AM
DATE RECEIVED: 12/21/2020
TIME RECEIVED: 3:00 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)	MR		12/23/2020	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: 2018100106.01
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-202

GTA PROJECT NO: 122120-3
GTA SAMPLE NO: 2
DATE SAMPLED: 12/21/2020
TIME SAMPLED: 11:55 AM
DATE RECEIVED: 12/21/2020
TIME RECEIVED: 3:00 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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Toluene	ND	1.0					
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Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106.01
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-133D3

GTA PROJECT NO: 122120-3
GTA SAMPLE NO: 3
DATE SAMPLED: 12/21/2020
TIME SAMPLED: 12:10 PM
DATE RECEIVED: 12/21/2020
TIME RECEIVED: 3:00 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/23/2020	EPA 5030B
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Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106.01
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-134D3

GTA PROJECT NO: 122120-3
GTA SAMPLE NO: 4
DATE SAMPLED: 12/21/2020
TIME SAMPLED: 12:20 PM
DATE RECEIVED: 12/21/2020
TIME RECEIVED: 3:00 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/23/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	122120-3
PROJECT NO:	2018100106.01	GTA SAMPLE NO:	5
LOCATION:	HAYES 22 CPF	DATE SAMPLED:	12/21/2020
		TIME SAMPLED:	12:35 PM
		DATE RECEIVED:	12/21/2020
	MI	TIME RECEIVED:	3:00 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-135D3	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)	MR		12/23/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106.01
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-136D3

GTA PROJECT NO: 122120-3
GTA SAMPLE NO: 6
DATE SAMPLED: 12/21/2020
TIME SAMPLED: 12:50 PM
DATE RECEIVED: 12/21/2020
TIME RECEIVED: 3:00 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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Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100106.01

LOCATION: HAYES 22 CPF

GTA PROJECT NO: 122120-3

GTA SAMPLE NO: 1

DATE SAMPLED: 12/21/2020

TIME SAMPLED: 11:45 AM

DATE RECEIVED: 12/21/2020

TIME RECEIVED: 3:00 PM

SAMPLED BY: MI
JOSHUA GERRIE/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: RW-201

CHLORIDE EPA 300.0

Concentration

16

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

12/22/2021

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: 122120-3

PROJECT NO: 2018100106.01

GTA SAMPLE NO: 2

LOCATION: HAYES 22 CPF

DATE SAMPLED: 12/21/2020

TIME SAMPLED: 11:55 AM

DATE RECEIVED: 12/21/2020

TIME RECEIVED: 3:00 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

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: RW-202						
	CHLORIDE EPA 300.0	14	10	mg/L (PPM)	LV	12/22/2021	WATER

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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 122120-3

PROJECT NO: 2018100106.01

GTA SAMPLE NO: 3

LOCATION: HAYES 22 CPF

DATE SAMPLED: 12/21/2020

TIME SAMPLED: 12:10 PM

DATE RECEIVED: 12/21/2020

TIME RECEIVED: 3:00 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-133D3

CHLORIDE EPA 300.0

Concentration

13

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

12/22/2021

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: 122120-3

PROJECT NO: 2018100106.01

GTA SAMPLE NO: 4

LOCATION: HAYES 22 CPF

DATE SAMPLED: 12/21/2020

TIME SAMPLED: 12:20 PM

DATE RECEIVED: 12/21/2020

TIME RECEIVED: 3:00 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-134D3

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample

ND

10

mg/L (PPM)

LV

12/22/2021

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: 122120-3

PROJECT NO: 2018100106.01

GTA SAMPLE NO: 5

LOCATION: HAYES 22 CPF

DATE SAMPLED: 12/21/2020

TIME SAMPLED: 12:35 PM

DATE RECEIVED: 12/21/2020

TIME RECEIVED: 3:00 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-135D3

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

12/22/2021

Sample

WATER

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LOD = LIMIT OF DETECTION

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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100106.01

LOCATION: HAYES 22 CPF

GTA PROJECT NO: 122120-3

GTA SAMPLE NO: 6

DATE SAMPLED: 12/21/2020

TIME SAMPLED: 12:50 PM

DATE RECEIVED: 12/21/2020

TIME RECEIVED: 3:00 PM

SAMPLED BY: MI
JOSHUA GERRIE/GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-136D3

CHLORIDE EPA 300.0

Concentration

15

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

12/22/2021

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 2018100106.01	SITE NAME/ADDRESS Hayes 22 CPF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Gervie	COMPANY Gosling Czubak	GTA PROJECT # 122120-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	RW-201	12-21-20	1145	GW	BTEX + Chloride
2	RW-202	↓	1155	↓	↓
3	MW-133d3		1210	↓	↓
4	MW-134d3		1220	↓	↓
5	MW-135d3		1235	↓	↓
6	MW-136d3		1250	↓	↓

BILL TO:

REPORT TO:

Lambda Energy Resources

Adam Biteman

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

12-21-20/1500

12/21/20 1500
rec 4.0°C office

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