

**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: 2018100136.02

GTA ProjNo: 051920-6

Site Addr: HAYES 22 CPF

Sampled By: JOSHUA GERRIE/GCES

Date Rec: 5/18/2020

Time Rec: 4:25 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	RW-201	5/18/2020	10:35 AM	WATER
2	RW-202	5/18/2020	10:45 AM	WATER
3	MW-133D3	5/18/2020	12:05 PM	WATER
4	MW-134D3	5/18/2020	10:55 AM	WATER
5	MW-135D3	5/18/2020	12:15 PM	WATER
6	MW-136D3	5/18/2020	11:55 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 L 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: 2018100136.02
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-201

GTA PROJECT NO: 051920-6
GTA SAMPLE NO: 1
DATE SAMPLED: 5/18/2020
TIME SAMPLED: 10:35 AM
DATE RECEIVED: 5/18/2020
TIME RECEIVED: 4:25 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		5/20/2020	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: 2018100136.02
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-202

GTA PROJECT NO: 051920-6
GTA SAMPLE NO: 2
DATE SAMPLED: 5/18/2020
TIME SAMPLED: 10:45 AM
DATE RECEIVED: 5/18/2020
TIME RECEIVED: 4:25 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		5/20/2020	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: 2018100136.02
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-133D3

GTA PROJECT NO: 051920-6
GTA SAMPLE NO: 3
DATE SAMPLED: 5/18/2020
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 5/18/2020
TIME RECEIVED: 4:25 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		5/20/2020	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.

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PROJECT NO: 2018100136.02
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-134D3

GTA PROJECT NO: 051920-6
GTA SAMPLE NO: 4
DATE SAMPLED: 5/18/2020
TIME SAMPLED: 10:55 AM
DATE RECEIVED: 5/18/2020
TIME RECEIVED: 4:25 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	1.1	1.0	ug/L (PPB)	MR		5/20/2020	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.

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100136.02
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-135D3
GTA PROJECT NO: 051920-6
GTA SAMPLE NO: 5
DATE SAMPLED: 5/18/2020
TIME SAMPLED: 12:15 PM
DATE RECEIVED: 5/18/2020
TIME RECEIVED: 4:25 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		5/20/2020	EPA 5030B
Toluene	1.8	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100136.02
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-136D3

GTA PROJECT NO: 051920-6
GTA SAMPLE NO: 6
DATE SAMPLED: 5/18/2020
TIME SAMPLED: 11:55 AM
DATE RECEIVED: 5/18/2020
TIME RECEIVED: 4:25 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	3.6	1.0	ug/L (PPB)	MR		5/20/2020	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.

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LOD = LIMIT OF DETECTION



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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 051920-6

PROJECT NO: 2018100136.02

GTA SAMPLE NO: 1

LOCATION: HAYES 22 CPF

DATE SAMPLED: 5/18/2020

TIME SAMPLED: 10:35 AM

DATE RECEIVED: 5/18/2020

TIME RECEIVED: 4:25 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</u>	<u>Sample</u>
SAMPLE ID: RW-201							
CHLORIDE EPA 300.0		17	10	mg/L (PPM)	LV	5/19/2020	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: 051920-6

PROJECT NO: 2018100136.02

GTA SAMPLE NO: 2

LOCATION: HAYES 22 CPF

DATE SAMPLED: 5/18/2020

TIME SAMPLED: 10:45 AM

DATE RECEIVED: 5/18/2020

TIME RECEIVED: 4:25 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: **RW-202**

CHLORIDE EPA 300.0

Concentration

12

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

5/19/2020

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: 2018100136.02
LOCATION: HAYES 22 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 051920-6
GTA SAMPLE NO: 3
DATE SAMPLED: 5/18/2020
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 5/18/2020
TIME RECEIVED: 4:25 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-133D3 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	5/19/2020	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: 051920-6

PROJECT NO: 2018100136.02

GTA SAMPLE NO: 4

LOCATION: HAYES 22 CPF

DATE SAMPLED: 5/18/2020

TIME SAMPLED: 10:55 AM

DATE RECEIVED: 5/18/2020

TIME RECEIVED: 4:25 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-134D3

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

5/19/2020

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:	051920-6
PROJECT NO:	2018100136.02	GTA SAMPLE NO:	5
LOCATION:	HAYES 22 CPF	DATE SAMPLED:	5/18/2020
		TIME SAMPLED:	12:15 PM
		DATE RECEIVED:	5/18/2020
		TIME RECEIVED:	4:25 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</u>	<u>Sample</u>
	SAMPLE ID: MW-135D3						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	5/19/2020	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: 2018100136.02
LOCATION: HAYES 22 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 051920-6
GTA SAMPLE NO: 6
DATE SAMPLED: 5/18/2020
TIME SAMPLED: 11:55 AM
DATE RECEIVED: 5/18/2020
TIME RECEIVED: 4:25 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-136D3 CHLORIDE EPA 300.0	20	10	mg/L (PPM)	LV	5/19/2020	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER <i>2018100136.02</i>	SITE NAME/ADDRESS <i>Hayes 22 CPF</i>	COMPANY/NAME <i>Lambda Energy Resources</i>
SAMPLED BY <i>Joshua Genrie</i>	COMPANY <i>Gosling Czubak</i>	GTA PROJECT # <i>057 051920-6</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	RW-201	5-18-20	1035	GW	BTEX + Chloride
2	RW-202	↓	1045	↓	↓
3	MW-133d3	↓	1205	↓	↓
4	MW-134d3	↓	1055	↓	↓
5	MW-135d3	↓	1215	↓	↓
6	MW-136d3	↓	1155	↓	↓

BILL TO:

REPORT TO:

Lambda Energy Resources

Adam Biteman

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 5-18-20/1625

R. [Signature] 5/18/20 16:25

run 110C

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