



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: 2018100111.01
GTA ProjNo: 021519-6

Site Addr: RICCI 1-19

Sampled By: MAX KORNDORFER/GCES
Date Rec: 2/15/2019
Time Rec: 12:05 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3	2/14/2019		WATER
2	MW-18	2/14/2019		WATER
3	MW-24	2/14/2019		WATER
4	MW-26	2/14/2019		WATER
5	MW-30	2/14/2019		WATER
6	MW-32	2/14/2019		WATER
7	MW-33	2/14/2019		WATER
8	MW-2	2/14/2019		WATER
9	MW-23	2/14/2019		WATER
10	MW-25	2/14/2019		WATER
11	MW-29	2/14/2019		WATER
12	MW-21	2/14/2019		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
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100111.01
 LOCATION: RICCI 1-19
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-3

GTA PROJECT NO: 021519-6
 GTA SAMPLE NO: 1
 DATE SAMPLED: 2/14/2019
 TIME SAMPLED:
 DATE RECEIVED: 2/15/2019
 TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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	57	1.0	ug/L (PPB)	MR		2/18/2019	EPA 5030B
Toluene	2.0	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: 2018100111.01
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-18

GTA PROJECT NO: 021519-6
GTA SAMPLE NO: 2
DATE SAMPLED: 2/14/2019
TIME SAMPLED:
DATE RECEIVED: 2/15/2019
TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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		2/16/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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 PROJECT NO: 2018100111.01
 LOCATION: RICCI 1-19
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-24

GTA PROJECT NO: 021519-6
 GTA SAMPLE NO: 3
 DATE SAMPLED: 2/14/2019
 TIME SAMPLED:
 DATE RECEIVED: 2/15/2019
 TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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		2/16/2019	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: 2018100111.01
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-26
GTA PROJECT NO: 021519-6
GTA SAMPLE NO: 4
DATE SAMPLED: 2/14/2019
TIME SAMPLED:
DATE RECEIVED: 2/15/2019
TIME RECEIVED: 12:05 PM
SAMPLED BY: MAX KORNDORFER/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		2/16/2019	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: 2018100111.01
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-30

GTA PROJECT NO: 021519-6
GTA SAMPLE NO: 5
DATE SAMPLED: 2/14/2019
TIME SAMPLED:
DATE RECEIVED: 2/15/2019
TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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		2/16/2019	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: 2018100111.01
 LOCATION: RICCI 1-19
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-33

GTA PROJECT NO: 021519-6
 GTA SAMPLE NO: 7
 DATE SAMPLED: 2/14/2019
 TIME SAMPLED:
 DATE RECEIVED: 2/15/2019
 TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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		2/16/2019	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: 2018100111.01
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-23

GTA PROJECT NO: 021519-6
GTA SAMPLE NO: 9
DATE SAMPLED: 2/14/2019
TIME SAMPLED:
DATE RECEIVED: 2/15/2019
TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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		2/16/2019	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: 2018100111.01
 LOCATION: RICCI 1-19
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-25

GTA PROJECT NO: 021519-6
 GTA SAMPLE NO: 10
 DATE SAMPLED: 2/14/2019
 TIME SAMPLED:
 DATE RECEIVED: 2/15/2019
 TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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		2/18/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	52	10.0					
Xylene(Total)	770	21.0					
1,2,4-Trimethylbenzene	210	10.0					
1,3,5-Trimethylbenzene	76	10.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100111.01
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-29

GTA PROJECT NO: 021519-6
GTA SAMPLE NO: 11
DATE SAMPLED: 2/14/2019
TIME SAMPLED:
DATE RECEIVED: 2/15/2019
TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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		2/18/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	46	5.0					
Xylene(Total)	570	11.0					
1,2,4-Trimethylbenzene	140	5.0					
1,3,5-Trimethylbenzene	47	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100111.01
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-21

GTA PROJECT NO: 021519-6
GTA SAMPLE NO: 12
DATE SAMPLED: 2/14/2019
TIME SAMPLED:
DATE RECEIVED: 2/15/2019
TIME RECEIVED: 12:05 PM

SAMPLED BY: MAX KORNDORFER/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	17	1.0	ug/L (PPB)	MR		2/18/2019	EPA 5030B
Toluene	110	5.0					
Ethylbenzene	3.4	1.0					
Xylene(Total)	40	3.0					
1,2,4-Trimethylbenzene	3.3	1.0					
1,3,5-Trimethylbenzene	1.4	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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CHAIN OF CUSTODY

PROJECT NUMBER 2018100111.01	SITE NAME/ADDRESS Recci 1-19	COMPANY/NAME Lambda Energy Resources
SAMPLED BY M. Kumbortser	COMPANY G.C.E.S	GTA PROJECT # 021519-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW 3	2-14-19		GW	BTEX
2	MW 18	↓		↓	↓
3	MW 24	↓		↓	↓
4	MW 26	↓		↓	↓
5	MW 30	↓		↓	↓
6	MW 32	↓		↓	↓
7	MW 33	↓		↓	↓
8	MW 2	↓		↓	↓
9	MW 23	↓		↓	BTEX +4
10	MW 25	↓		↓	↓ ↓
11	MW 29	↓		↓	↓ ↓
12	MW 21	↓		↓	↓ ↓

BILL TO:

G.C.E.S

REPORT TO:

J. Simsa

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>[Signature]</i>	2-14-19 4:45 pm	G.C.E.S. Sample fridge	2-14-19 4:45 pm
<i>[Signature]</i>	2-15-19 12:00 pm	K. [Signature]	2/15/19 12:05p
		for 8.6°C	

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