



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: 2018100128.01
GTA ProjNo: 012920-4

Site Addr: CHARLTON 7 CPF

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 1/29/2020
Time Rec: 4:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	1/29/2020	1:20 PM	WATER
2	MW-4	1/29/2020	2:40 PM	WATER
3	MW-8S	1/29/2020	1:50 PM	WATER
4	MW-8D	1/29/2020	1:55 PM	WATER
5	MW-9	1/29/2020	11:00 AM	WATER
6	MW-10	1/29/2020	12:45 PM	WATER
7	MW-11	1/29/2020	12:05 PM	WATER
8	MW-12	1/29/2020	11:30 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 Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
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Traverse City, MI 49686
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100128.01
LOCATION: CHARLTON 7 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 012920-4
GTA SAMPLE NO: 1
DATE SAMPLED: 1/29/2020
TIME SAMPLED: 1:20 PM
DATE RECEIVED: 1/29/2020
TIME RECEIVED: 4:40 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		1/31/2020	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: 2018100128.01

LOCATION: CHARLTON 7 CPF

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4

GTA PROJECT NO: 012920-4

GTA SAMPLE NO: 2

DATE SAMPLED: 1/29/2020

TIME SAMPLED: 2:40 PM

DATE RECEIVED: 1/29/2020

TIME RECEIVED: 4:40 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		1/30/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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GTA PROJECT NO: 012920-4

PROJECT NO: 2018100128.01

GTA SAMPLE NO: 3

LOCATION: CHARLTON 7 CPF

DATE SAMPLED: 1/29/2020

TIME SAMPLED: 1:50 PM

MI

DATE RECEIVED: 1/29/2020

TIME RECEIVED: 4:40 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-8S

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		1/30/2020	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: 2018100128.01
 LOCATION: CHARLTON 7 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-8D

GTA PROJECT NO: 012920-4
 GTA SAMPLE NO: 4
 DATE SAMPLED: 1/29/2020
 TIME SAMPLED: 1:55 PM
 DATE RECEIVED: 1/29/2020
 TIME RECEIVED: 4:40 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		1/30/2020	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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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100128.01
 LOCATION: CHARLTON 7 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-9

GTA PROJECT NO: 012920-4
 GTA SAMPLE NO: 5
 DATE SAMPLED: 1/29/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 1/29/2020
 TIME RECEIVED: 4:40 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		1/30/2020	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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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100128.01
 LOCATION: CHARLTON 7 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-10

GTA PROJECT NO: 012920-4
 GTA SAMPLE NO: 6
 DATE SAMPLED: 1/29/2020
 TIME SAMPLED: 12:45 PM
 DATE RECEIVED: 1/29/2020
 TIME RECEIVED: 4:40 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		1/30/2020	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100128.01

LOCATION: CHARLTON 7 CPF

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-11

GTA PROJECT NO: 012920-4

GTA SAMPLE NO: 7

DATE SAMPLED: 1/29/2020

TIME SAMPLED: 12:05 PM

DATE RECEIVED: 1/29/2020

TIME RECEIVED: 4:40 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		1/30/2020	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100128.01
 LOCATION: CHARLTON 7 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-12

GTA PROJECT NO: 012920-4
 GTA SAMPLE NO: 8
 DATE SAMPLED: 1/29/2020
 TIME SAMPLED: 11:30 AM
 DATE RECEIVED: 1/29/2020
 TIME RECEIVED: 4:40 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		1/30/2020	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100128.01
 LOCATION: CHARLTON 7 CPF

GTA PROJECT NO: 012920-4
 GTA SAMPLE NO: 5

DATE SAMPLED: 1/29/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 1/29/2020
 TIME RECEIVED: 4:40 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-9	CHLORIDE EPA 300.0	16	10	mg/L (PPM)	LV	1/31/2020	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: 2018100128.01
 LOCATION: CHARLTON 7 CPF

GTA PROJECT NO: 012920-4
 GTA SAMPLE NO: 6

DATE SAMPLED: 1/29/2020
 TIME SAMPLED: 12:45 PM
 DATE RECEIVED: 1/29/2020
 TIME RECEIVED: 4:40 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-10	CHLORIDE EPA 300.0	26	10	mg/L (PPM)	LV	1/31/2020	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 2018100128.01	SITE NAME/ADDRESS Charlton 7 CPF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Geurie	COMPANY Gosling Czubak	GTA PROJECT# 012920-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-2	1-29-20	1320	GW	BTEX & Chloride
2	MW-4	↓	1440	↓	↓
3	MW-8s		1350		
4	MW-8d		1355		
5	MW-9		1100		
6	MW-10		1245		
7	MW-11		1205		
8	MW-12		1130		

BILL TO:

Lambda Energy Resources

REPORT TO:

Adam Biteman

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 1-29-20/1640

[Signature] 1/29/2016 40
rec 40°C

REQUESTED TAT

STANDARD

1 BUSINESS DAY

2 BUSINESS DAYS

3 BUSINESS DAYS