



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: LAMBDA ENERGY RESOURCES, LLC  
Name:  
ClientProj: 2018100141.01  
GTA ProjNo: 040120-4

Site Addr: MULDAVIN 2-13

Sampled By: MAX KORNDORFER/GCES  
Date Rec: 4/1/2020  
Time Rec: 1:48 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-9	4/1/2020	11:00 AM	WATER
2	MW-21	4/1/2020	11:20 AM	WATER
3	MW-20	4/1/2020	12:15 PM	WATER
4	MW-22	4/1/2020	12:40 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  
Fx: 231-929-0894  
SP: 231-590-0291  
[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)



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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100141.01  
LOCATION: MULDAVIN 2-13  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-9

GTA PROJECT NO: 040120-4  
GTA SAMPLE NO: 1  
DATE SAMPLED: 4/1/2020  
TIME SAMPLED: 11:00 AM  
DATE RECEIVED: 4/1/2020  
TIME RECEIVED: 1:48 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/2/2020	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: 2018100141.01  
 LOCATION: MULDAVIN 2-13  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-21

GTA PROJECT NO: 040120-4  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 4/1/2020  
 TIME SAMPLED: 11:20 AM  
 DATE RECEIVED: 4/1/2020  
 TIME RECEIVED: 1:48 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		4/2/2020	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: 2018100141.01  
LOCATION: MULDAVIN 2-13  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-20

GTA PROJECT NO: 040120-4  
GTA SAMPLE NO: 3  
DATE SAMPLED: 4/1/2020  
TIME SAMPLED: 12:15 PM  
DATE RECEIVED: 4/1/2020  
TIME RECEIVED: 1:48 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/2/2020	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  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100141.01  
LOCATION: MULDAVIN 2-13  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-22

GTA PROJECT NO: 040120-4  
GTA SAMPLE NO: 4  
DATE SAMPLED: 4/1/2020  
TIME SAMPLED: 12:40 PM  
DATE RECEIVED: 4/1/2020  
TIME RECEIVED: 1:48 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	3.3	1.0	ug/L (PPB)	MR		4/2/2020	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: 2018100141.01  
 LOCATION: MULDAVIN 2-13

GTA PROJECT NO: 040120-4  
 GTA SAMPLE NO: 1

DATE SAMPLED: 4/1/2020  
 TIME SAMPLED: 11:00 AM  
 DATE RECEIVED: 4/1/2020  
 TIME RECEIVED: 1:48 PM

MI  
 SAMPLED BY: MAX KORNDORFER/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	48	10	mg/L (PPM)	LV	4/3/2020	WATER

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



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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100141.01  
LOCATION: MULDAVIN 2-13

GTA PROJECT NO: 040120-4  
GTA SAMPLE NO: 2

DATE SAMPLED: 4/1/2020  
TIME SAMPLED: 11:20 AM  
DATE RECEIVED: 4/1/2020  
TIME RECEIVED: 1:48 PM

MI  
SAMPLED BY: MAX KORNDORFER/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-21							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	4/3/2020	WATER

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





**CHAIN OF CUSTODY**

PROJECT NUMBER 2018100141-01	SITE NAME/ADDRESS Mudman 2-13	COMPANY/NAME Lamb Energy Resources
SAMPLED BY M. Krunderfer	COMPANY G.C.E.S	GTA PROJECT # 03 040120-4

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-9	4-1-2020	11:00 A	GW	BTEX, Chloride
	MW-21	↑	11:20 A	↑	↑
	MW-20		12:15 P		
	MW-22	4-1-2020	12:40	GW	BTEX, Chloride

<b>BILL TO:</b> L.E.R.	<b>REPORT TO:</b> J. Simsa (G.C.E.S)
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<b>RELEASED BY</b> [Signature]	<b>DATE/TIME</b> 4-1-2020 / 1:45 P	<b>RECEIVED BY</b> [Signature]	<b>DATE/TIME</b> 4/1/20 1:28 received
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS