



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: 2018100169.01
GTA ProjNo: 041219-3

Site Addr: NORWICH 6-10

Sampled By: MARK STOVER/GCES
Date Rec: 4/12/2019
Time Rec: 1:20 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-8	4/11/2019		WATER
2	MW-4	4/11/2019		WATER
3	MW-2	4/11/2019		WATER
4	MW-3	4/11/2019		WATER
5	MW-5	4/11/2019		WATER
6	MW-6	4/11/2019		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 L Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100169.01
 LOCATION: NORWICH 6-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-8

GTA PROJECT NO: 041219-3
 GTA SAMPLE NO: 1
 DATE SAMPLED: 4/11/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/12/2019
 TIME RECEIVED: 1:20 PM

SAMPLED BY: MARK STOVER/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	1.8	1.0	ug/L (PPB)	MR		4/15/2019	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					

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: 2018100169.01
 LOCATION: NORWICH 6-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-2

GTA PROJECT NO: 041219-3
 GTA SAMPLE NO: 3
 DATE SAMPLED: 4/11/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/12/2019
 TIME RECEIVED: 1:20 PM

SAMPLED BY: MARK STOVER/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		4/15/2019	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: 2018100169.01
 LOCATION: NORWICH 6-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-3

GTA PROJECT NO: 041219-3
 GTA SAMPLE NO: 4
 DATE SAMPLED: 4/11/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/12/2019
 TIME RECEIVED: 1:20 PM

SAMPLED BY: MARK STOVER/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		4/15/2019	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: 2018100169.01
 LOCATION: NORWICH 6-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-5

GTA PROJECT NO: 041219-3
 GTA SAMPLE NO: 5
 DATE SAMPLED: 4/11/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/12/2019
 TIME RECEIVED: 1:20 PM

SAMPLED BY: MARK STOVER/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		4/15/2019	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					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100169.01
 LOCATION: NORWICH 6-10
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-6

GTA PROJECT NO: 041219-3
 GTA SAMPLE NO: 6
 DATE SAMPLED: 4/11/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/12/2019
 TIME RECEIVED: 1:20 PM

SAMPLED BY: MARK STOVER/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	6.2	1.0	ug/L (PPB)	MR		4/15/2019	EPA 5030B
Toluene	41	1.0					
Ethylbenzene	5.4	1.0					
Xylene(Total)	19	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					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC GTA PROJECT NO: 041219-3
PROJECT NO: 2018100169.01 GTA SAMPLE NO: 1
LOCATION: NORWICH 6-10 DATE SAMPLED: 4/11/2019
TIME SAMPLED:
DATE RECEIVED: 4/12/2019
TIME RECEIVED: 1:20 PM
MI
SAMPLED BY: MARK STOVER/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-8							
CHLORIDE EPA 300.0		3.5	2.5	mg/L (PPM)	LV	4/12/2019	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>2018100169.01</i>	SITE NAME/ADDRESS <i>NORWICH 6-10</i>	COMPANY/NAME <i>LAMBDA ENERGY</i>
SAMPLED BY <i>MARK STOVER</i>	COMPANY <i>G.C.E.S.</i>	GTA PROJECT # <i>041219-3</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>MW-8</i>	<i>4-11-19</i>		<i>GW</i>	<i>BTEX + 4, CHLORIDE</i>
2	<i>MW-4</i>	↓		↓	↓
3	<i>MW-2</i>				
4	<i>MW-3</i>				
5	<i>MW-5</i>				
6	<i>MW-6</i>				

BILL TO: <i>G.C.E.S.</i>	REPORT TO: <i>JEFF SIMSA</i>
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RELEASED BY <i>[Signature]</i>	DATE/TIME <i>4-11-19</i>	RECEIVED BY <i>G.C.E.S. FRIDEE</i>	DATE/TIME <i>4-11-19 16:00</i>
<i>[Signature]</i>	<i>4-12-19</i>	<i>[Signature]</i>	<i>4/12/19 1:20P</i>
			<i>PL 50C</i>

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