



**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: 2018100109.01  
GTA ProjNo: 010419-3

Site Addr: ST. SPRINGDALE 25 CPF  
Sampled By: MARK STOVER/GCES  
Date Rec: 1/4/2019  
Time Rec: 1:42 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-14R (15')	1/4/2019		WATER
2	MW-14 (21')	1/4/2019		WATER
3	MW-14 (30')	1/4/2019		WATER
4	MW-15	1/4/2019		WATER
5	MW-16 (15')	1/4/2019		WATER
6	MW-16 (20')	1/4/2019		WATER
7	MW-17	1/4/2019		WATER
8	MW-11	1/4/2019		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  
830 Robinwood Court  
Traverse City, MI 49686  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 2018100109.01  
LOCATION: ST. SPRINGDALE 25 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-14R (15')

GTA PROJECT NO: 010419-3  
GTA SAMPLE NO: 1  
DATE SAMPLED: 1/4/2019  
TIME SAMPLED:  
DATE RECEIVED: 1/4/2019  
TIME RECEIVED: 1:42 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		1/9/2019	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: 2018100109.01  
LOCATION: ST. SPRINGDALE 25 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-14 (21')

GTA PROJECT NO: 010419-3  
GTA SAMPLE NO: 2  
DATE SAMPLED: 1/4/2019  
TIME SAMPLED:  
DATE RECEIVED: 1/4/2019  
TIME RECEIVED: 1:42 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		1/9/2019	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: 2018100109.01  
LOCATION: ST. SPRINGDALE 25 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-14 (30')

GTA PROJECT NO: 010419-3  
GTA SAMPLE NO: 3  
DATE SAMPLED: 1/4/2019  
TIME SAMPLED:  
DATE RECEIVED: 1/4/2019  
TIME RECEIVED: 1:42 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		1/9/2019	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: 2018100109.01  
LOCATION: ST. SPRINGDALE 25 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-17

GTA PROJECT NO: 010419-3  
GTA SAMPLE NO: 7  
DATE SAMPLED: 1/4/2019  
TIME SAMPLED:  
DATE RECEIVED: 1/4/2019  
TIME RECEIVED: 1:42 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		1/9/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	5.9	1.0					
Xylene(Total)	6.2	3.0					
1,2,4-Trimethylbenzene	4.3	1.0					
1,3,5-Trimethylbenzene	1.8	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: 2018100109.01  
LOCATION: ST. SPRINGDALE 25 CPF  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-11

GTA PROJECT NO: 010419-3  
GTA SAMPLE NO: 8  
DATE SAMPLED: 1/4/2019  
TIME SAMPLED:  
DATE RECEIVED: 1/4/2019  
TIME RECEIVED: 1:42 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		1/9/2019	EPA 5030B
Toluene	11	1.0					
Ethylbenzene	21	1.0					
Xylene(Total)	170	11					
1,2,4-Trimethylbenzene	100	5.0					
1,3,5-Trimethylbenzene	28	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	GTA PROJECT NO:	010419-3
PROJECT NO:	2018100109.01	GTA SAMPLE NO:	1
LOCATION:	ST. SPRINGDALE 25 CPF	DATE SAMPLED:	1/4/2019
		TIME SAMPLED:	
		DATE RECEIVED:	1/4/2019
		TIME RECEIVED:	1:42 PM
	MI		
SAMPLED BY:	MARK STOVER/GCES		

**INORGANICS**

<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-14R (15')						
	CHLORIDE EPA 300.0	8.0	2.5	mg/L (PPM)	LV	1/4/2019	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>2018100109.01</i>	SITE NAME/ADDRESS <i>ST. SPRINGDALE 25 CPF</i>	COMPANY/NAME <i>LAMBDA ENERGY</i>
SAMPLED BY <i>MARK STOVER</i>	COMPANY <i>G.C.E.S.</i>	GTA PROJECT # <i>010419-3</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS		
1	<i>MW-14R(15')</i>	<i>1-4-19</i>		<i>GW</i>	<i>BTEX, CHLORIDE</i>		
2	<i>MW-14(21')</i>	↓		↓	↓		
3	<i>MW-14(30')</i>						
4	<i>MW-15</i>						
5	<i>MW-16(15')</i>						
6	<i>MW-16(20')</i>						
7	<i>MW-17</i>		<i>BTEX + 4, CHLORIDE</i>				
8	<i>MW-11</i>		↓			↓	↓

**BILL TO:** *G.C.E.S.*

**REPORT TO:**  
*ERIC VINCKE*

**RELEASED BY** *[Signature]* **DATE/TIME** *1-4-19*

**RECEIVED BY** *[Signature]* **DATE/TIME** *1/4/19 1:42*  
*received*

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