

**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: 2018100130.01

GTA ProjNo: 060519-2

Site Addr: FOREST 24 CPF

Sampled By: MARK STOVER/GCES

Date Rec: 6/5/2019

Time Rec: 8:25 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	6/3/2019	1:10 PM	WATER
2	MW-6	6/3/2019	12:25 PM	WATER
3	MW-7	6/3/2019	12:05 PM	WATER
4	MW-18S	6/3/2019	1:10 PM	WATER
5	MW-19S	6/3/2019	12:45 PM	WATER
6	MW-20S	6/3/2019	1:45 PM	WATER
7	MW-13S	6/3/2019	11:10 AM	WATER
8	MW-13D	6/3/2019	11:20 AM	WATER
9	MW-3	6/3/2019	2:45 PM	WATER
10	MW-3D	6/3/2019	2:55 PM	WATER
11	MW-8	6/3/2019	11:45 AM	WATER
12	DUPLICATE	6/3/2019		WATER
13	MW-4	6/3/2019	10:50 AM	WATER
14	MW-9S	6/4/2019	2:10 PM	WATER
15	MW-9D	6/4/2019	2:45 PM	WATER
16	MW-10D	6/4/2019	1:15 PM	WATER
17	MW-11	6/4/2019	12:30 PM	WATER
18	MW-12D	6/4/2019	12:00 PM	WATER
19	MW-15S	6/4/2019	1:30 PM	WATER
20	MW-15D	6/4/2019	1:40 PM	WATER
21	MW-16D	6/4/2019	11:15 AM	WATER
22	MW-17D	6/4/2019	2:05 PM	WATER
23	FIELD BLANK	6/4/2019	1:00 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 L 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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 1
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 1:10 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-6

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 2
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 12:25 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7
GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 3
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-18S

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 4
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 1:10 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-19S

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 5
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 12:45 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-20S
GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 6
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13S

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 7
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 11:10 AM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13D

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 8
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 11:20 AM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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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PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: DUPLICATE

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 12
DATE SAMPLED: 6/3/2019
TIME SAMPLED:
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: FIELD BLANK

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 23
DATE SAMPLED: 6/4/2019
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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		6/6/2019	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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PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 1
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 1:10 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-1							
CHLORIDE EPA 300.0		21	10	mg/L (PPM)	LV	6/7/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 2
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 12:25 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-6							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	6/7/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 3
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-7							
CHLORIDE EPA 300.0		10	10	mg/L (PPM)	LV	6/7/2019	WATER

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s.u. = STANDARD pH UNITS REPORTED AT 25 C

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 4
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 1:10 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-18S							
CHLORIDE EPA 300.0		39	10	mg/L (PPM)	LV	6/7/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 5
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 12:45 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-19S							
CHLORIDE EPA 300.0		130	10	mg/L (PPM)	LV	6/7/2019	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 6
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-20S							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	6/7/2019	WATER

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PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 7
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 11:10 AM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-13S						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/11/2019	WATER
	CONDUCTIVITY SM2510-B	230	1.0	uS/cm@25C	LV	6/11/2019	WATER

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LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C
DISS = DISSOLVED

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 8
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 11:20 AM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-13D						
	CHLORIDE EPA 300.0	18	10	mg/L (PPM)	LV	6/11/2019	WATER
	CONDUCTIVITY SM2510-B	490	1.0	uS/cm@25C	LV	6/11/2019	WATER

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LOD = LIMIT OF DETECTION
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**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 060519-2

PROJECT NO: 2018100130.01

GTA SAMPLE NO: 9

LOCATION: FOREST 24 CPF

DATE SAMPLED: 6/3/2019

TIME SAMPLED: 2:45 PM

DATE RECEIVED: 6/5/2019

TIME RECEIVED: 8:25 AM

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-3							
CHLORIDE EPA 300.0		11	10	mg/L (PPM)	LV	6/11/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 10
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 2:55 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-3D							
CHLORIDE EPA 300.0		120	10	mg/L (PPM)	LV	6/11/2019	WATER

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

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	060519-2
PROJECT NO:	2018100130.01	GTA SAMPLE NO:	11
LOCATION:	FOREST 24 CPF	DATE SAMPLED:	6/3/2019
		TIME SAMPLED:	11:45 AM
		DATE RECEIVED:	6/5/2019
		TIME RECEIVED:	8:25 AM
	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		ND	10	mg/L (PPM)	LV	6/11/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 12
DATE SAMPLED: 6/3/2019
TIME SAMPLED:
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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: DUPLICATE							
CHLORIDE EPA 300.0		130	10	mg/L (PPM)	LV	6/11/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 13
DATE SAMPLED: 6/3/2019
TIME SAMPLED: 10:50 AM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/11/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC GTA PROJECT NO: 060519-2
PROJECT NO: 2018100130.01 GTA SAMPLE NO: 14
LOCATION: FOREST 24 CPF DATE SAMPLED: 6/4/2019
TIME SAMPLED: 2:10 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM
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-9S							
CHLORIDE EPA 300.0		310	10	mg/L (PPM)	LV	6/11/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 15
DATE SAMPLED: 6/4/2019
TIME SAMPLED: 2:45 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-9D							
CHLORIDE EPA 300.0		1,200	50	mg/L (PPM)	LV	6/11/2019	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: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 16
DATE SAMPLED: 6/4/2019
TIME SAMPLED: 1:15 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-10D							
CHLORIDE EPA 300.0		190	10	mg/L (PPM)	LV	6/11/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 17
DATE SAMPLED: 6/4/2019
TIME SAMPLED: 12:30 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-11 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/11/2019	WATER

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LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 18
DATE SAMPLED: 6/4/2019
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-12D						
	CHLORIDE EPA 300.0	28	10	mg/L (PPM)	LV	6/11/2019	WATER

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**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
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 19
DATE SAMPLED: 6/4/2019
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-15S							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	6/11/2019	WATER

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LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 060519-2

PROJECT NO: 2018100130.01

GTA SAMPLE NO: 20

LOCATION: FOREST 24 CPF

DATE SAMPLED: 6/4/2019

TIME SAMPLED: 1:40 PM

DATE RECEIVED: 6/5/2019

TIME RECEIVED: 8:25 AM

MI

SAMPLED BY: MARK STOVER/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-15D

CHLORIDE EPA 300.0

Concentration

200

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

6/11/2019

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100130.01
LOCATION: FOREST 24 CPF
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 060519-2
GTA SAMPLE NO: 21
DATE SAMPLED: 6/4/2019
TIME SAMPLED: 11:15 AM
DATE RECEIVED: 6/5/2019
TIME RECEIVED: 8:25 AM

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-16D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/11/2019	WATER

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LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 060519-2

PROJECT NO: 2018100130.01

GTA SAMPLE NO: 22

LOCATION: FOREST 24 CPF

DATE SAMPLED: 6/4/2019

TIME SAMPLED: 2:05 PM

DATE RECEIVED: 6/5/2019

TIME RECEIVED: 8:25 AM

MI

SAMPLED BY: MARK STOVER/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-17D

CHLORIDE EPA 300.0

Concentration

540

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

6/11/2019

Sample

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>2018100130.01</i>	SITE NAME/ADDRESS <i>FOREST 24 CPF</i>	COMPANY/NAME <i>LAMBDA ENERGY</i>
SAMPLED BY <i>MARK STOVER</i>	COMPANY <i>G.C.E.S.</i>	GTA PROJECT # <i>060519-2</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>MW-1</i>	<i>6-3-19</i>	<i>13:10</i>	<i>GW</i>	<i>BTEX, CHLORIDE</i>
2	<i>MW-6</i>	<i> </i>	<i>12:25</i>	<i> </i>	<i> </i>
3	<i>MW-7</i>	<i> </i>	<i>12:05</i>	<i> </i>	<i> </i>
4	<i>MW-18 S</i>	<i> </i>	<i>13:10</i>	<i> </i>	<i>BTEX + Y</i>
5	<i>MW-19 S</i>	<i> </i>	<i>12:45</i>	<i> </i>	<i> </i>
6	<i>MW-20 S</i>	<i> </i>	<i>13:45</i>	<i> </i>	<i> </i>
7	<i>MW-13 S</i>	<i> </i>	<i>11:10</i>	<i> </i>	<i>BTEX, CHLORIDE, SPEC. COND.</i>
8	<i>MW-13 d</i>	<i> </i>	<i>11:20</i>	<i> </i>	<i> </i>
9	<i>MW-3</i>	<i> </i>	<i>14:45</i>	<i> </i>	<i>CHLORIDE</i>
10	<i>MW-3 d</i>	<i> </i>	<i>14:55</i>	<i> </i>	<i> </i>
11	<i>MW-8</i>	<i> </i>	<i>11:45</i>	<i> </i>	<i> </i>
12	<i>DUPLICATE</i>	<i> </i>	<i>—</i>	<i> </i>	<i>BTEX + Y, CHLORIDE</i>
13	<i>MW-4</i>	<i> </i>	<i>10:50</i>	<i> </i>	<i>CHLORIDE</i>
14	<i>MW-9 S</i>	<i>6-4-19</i>	<i>14:10</i>	<i> </i>	<i> </i>
15	<i>MW-9 d</i>	<i> </i>	<i>14:45</i>	<i> </i>	<i> </i>

BILL TO:

LAMBDA ENERGY

REL
OL

REPORT TO:

JEFF SIMSA

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>[Signature]</i>	<i>6-3-19 17:15</i>	<i>G.C.E.S. FRIDGE</i>	<i>6-3-19 17:15</i>
<i>[Signature]</i>	<i>6-5-19 8:25A</i>	<i>[Signature]</i>	<i>6-5-19 8:25A</i>

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

CHAIN OF CUSTODY

PROJECT NUMBER <i>2018100130.01</i>	SITE NAME/ADDRESS <i>FOREST 14 CPF</i>	COMPANY/NAME
SAMPLED BY <i>MARK STOVER</i>	COMPANY <i>G.C.E.S.</i>	GTA PROJECT # <i>060519-2</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	<i>MW-10d</i>	<i>6-4-19</i>	<i>13:15</i>	<i>GW</i>	<i>CHLORIDE</i>
17	<i>MW-11</i>		<i>11:30</i>		
18	<i>MW-12d</i>		<i>12:00</i>		
19	<i>MW-15 S</i>		<i>13:30</i>	<i>1</i>	
20	<i>MW-15d</i>		<i>13:40</i>		
21	<i>MW-16d</i>		<i>11:15</i>		
22	<i>MW-17d</i>		<i>14:05</i>		
23	<i>FIELD BLANK</i>		<i>13:00</i>	<i>PW</i>	<i>BTEX + 4</i>

BILL TO: *LAMBDA ENERGY*

REPORT TO:
JEFF SIMSA
rm 1.9°C onic

RELEASED BY <i>[Signature]</i>	DATE/TIME <i>6-4-19 18:00</i>	RECEIVED BY <i>G.C.E.S. FRIDEE</i>	DATE/TIME <i>6-4-19 18:00</i>
<i>[Signature]</i>	<i>6-5-19 8:25A</i>	<i>[Signature]</i>	<i>6-5-19 8:25A</i>

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