

**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: 2018100168.01

GTA ProjNo: 031219-5

Site Addr: JOHNSON-HILLIARD 7-26

Sampled By: MARK STOVER/GCES

Date Rec: 3/12/2019

Time Rec: 3:29 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4	3/11/2019		WATER
2	MW-7	3/11/2019		WATER
3	MW-8	3/11/2019		WATER
4	MW-5	3/11/2019		WATER
5	MW-9	3/11/2019		WATER
6	MW-3S	3/11/2019		WATER
7	MW-3D	3/11/2019		WATER
8	MW-10	3/11/2019		WATER
9	MW-13	3/11/2019		WATER
10	MW-2S	3/12/2019		WATER
11	MW-1D	3/12/2019		WATER
12	MW-12S	3/12/2019		WATER
13	MW-1S	3/12/2019		WATER
14	MW-2I	3/12/2019		WATER
15	MW-12D	3/12/2019		WATER
16	MW-2D	3/12/2019		WATER
17	MW-11I	3/12/2019		WATER
18	MW-11D	3/12/2019		WATER
19	MW-11S	3/12/2019		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
Ph: 231-929-0905
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 1
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 2
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-8
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 3
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 4
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-9
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 5
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3S
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 6
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3D
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 7
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-10
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 8
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 9
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2S

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 10
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/13/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1D
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 11
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/14/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-12S

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 12
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/14/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1S
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 13
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/14/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2I

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 14
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/14/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-12D

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 15
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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		3/14/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2D
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 16
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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	1.1	1.0	ug/L (PPB)	MR		3/14/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-11I
GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 17
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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	21	1.0	ug/L (PPB)	MR		3/14/2019	EPA 5030B
Toluene	16	1.0					
Ethylbenzene	2.7	1.0					
Xylene(Total)	12	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-11D

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 18
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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	9.4	1.0	ug/L (PPB)	MR		3/14/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-11S

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 19
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 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	1.4	1.0	ug/L (PPB)	MR		3/14/2019	EPA 5030B
Toluene	1.0	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 1
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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	2.5	mg/L (PPM)	LV	3/15/2019	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: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 2
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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	ND	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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**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
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 3
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 4
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-5							
CHLORIDE EPA 300.0		44	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 5
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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		4.0	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 6
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-3S							
CHLORIDE EPA 300.0		6.8	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 7
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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	7.3	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 8
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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	11	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 9
DATE SAMPLED: 3/11/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-13							
CHLORIDE EPA 300.0		230	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 10
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-2S							
CHLORIDE EPA 300.0		4.4	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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**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
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 11
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-1D CHLORIDE EPA 300.0	ND	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 12
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-12S						
	CHLORIDE EPA 300.0	100	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 13
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-1S							
CHLORIDE EPA 300.0		5.4	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 14
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-2I						
	CHLORIDE EPA 300.0	6.8	2.5	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 15
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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	350	5.0	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 16
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-2D						
	CHLORIDE EPA 300.0	490	10	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 17
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-111							
CHLORIDE EPA 300.0		8,900	1,000	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 18
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-11D						
	CHLORIDE EPA 300.0	6,600	500	mg/L (PPM)	LV	3/15/2019	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON-HILLIARD 7-26
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 031219-5
GTA SAMPLE NO: 19
DATE SAMPLED: 3/12/2019
TIME SAMPLED:
DATE RECEIVED: 3/12/2019
TIME RECEIVED: 3:29 PM

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-11S						
	CHLORIDE EPA 300.0	2,800	500	mg/L (PPM)	LV	3/15/2019	WATER

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CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
2018/00168.01	JOHNSON-HILLIARD 7-26	LAMBDA ENERGY
SAMPLED BY	COMPANY	GTA PROJECT #
MARK STOVER	G.C.E.S.	03219-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	MW-2d	3-12-19		GW	BTEX, CHLORIDE
17	MW-11I	↓		↓	↓
18	MW-11d	↓		↓	↓
19	MW-11S	↓		↓	↓

BILL TO: G.C.E.S.

REPORT TO:
JEFF SIMSA

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>[Signature]</i>	3-12-19	<i>[Signature]</i>	3/12/19 3:29p
		Per 9.60 on file	

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

CHAIN OF CUSTODY

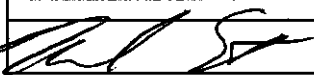
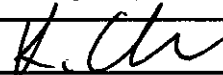
PROJECT NUMBER 2018100168.01	SITE NAME/ADDRESS JOHNSON-HILLIARD 7-26	COMPANY/NAME LAMBDA ENERGY
SAMPLED BY MARK STOVER	COMPANY G.C.E.S.	GTA PROJECT # 03/219-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-4	3-11-19		GW	BTEX, CHLORIDE
2	MW-7	↓			
3	MW-8				
4	MW-5				
5	MW-9				
6	MW-3 S				
7	MW-3 d				
8	MW-10				
9	MW-13				
10	MW-2 S	3-12-19			
11	MW-1 d	↓			
12	MW-12 S				
13	MW-1 S				
14	MW-2 I				
15	MW-12 d				

BILL TO:
G.C.E.S.

REPORT TO:
JEFF SIMSA

RELEASED BY 	DATE/TIME 3-12-19	RECEIVED BY 	DATE/TIME 3/12/19 3:29p
		per 966L on file	

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