

**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: 2018100125.01

GTA ProjNo: 050319-37

Site Addr: PARADISE 19

Sampled By: MAX KORNDORFER/GCES

Date Rec: 5/3/2019

Time Rec: 4:45 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-12	5/2/2019	12:40 PM	WATER
2	MW-12D	5/2/2019	1:10 PM	WATER
3	MW-14D	5/2/2019	2:02 PM	WATER
4	MW-14	5/2/2019	2:35 PM	WATER
5	MW-13	5/2/2019	3:25 PM	WATER
6	MW-6D	5/3/2019	10:40 AM	WATER
7	MW-6	5/3/2019	11:15 AM	WATER
8	MW-5D	5/3/2019	12:00 PM	WATER
9	MW-5	5/3/2019	12:35 PM	WATER
10	MW-7	5/3/2019	1:15 PM	WATER
11	MW-4D	5/3/2019	1:57 PM	WATER
12	MW-4	5/3/2019	2:27 PM	WATER
13	MW-3D	5/3/2019	3:30 PM	WATER
14	MW-3	5/3/2019	3:55 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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PH: 231-929-0905

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-12

GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 1
DATE SAMPLED: 5/2/2019
TIME SAMPLED: 12:40 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-12D

GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 2
DATE SAMPLED: 5/2/2019
TIME SAMPLED: 1:10 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	050319-37
PROJECT NO:	2018100125.01	GTA SAMPLE NO:	3
LOCATION:	PARADISE 19	DATE SAMPLED:	5/2/2019
		TIME SAMPLED:	2:02 PM
	MI	DATE RECEIVED:	5/3/2019
		TIME RECEIVED:	4:45 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-14D	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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100125.01

LOCATION: PARADISE 19

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-14

GTA PROJECT NO: 050319-37

GTA SAMPLE NO: 4

DATE SAMPLED: 5/2/2019

TIME SAMPLED: 2:35 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 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		5/6/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13
GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 5
DATE SAMPLED: 5/2/2019
TIME SAMPLED: 3:25 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	050319-37
PROJECT NO:	2018100125.01	GTA SAMPLE NO:	6
LOCATION:	PARADISE 19	DATE SAMPLED:	5/3/2019
		TIME SAMPLED:	10:40 AM
	MI	DATE RECEIVED:	5/3/2019
		TIME RECEIVED:	4:45 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-6D	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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-6
GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 7
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 11:15 AM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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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LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5D

GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 8
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5
GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 9
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 12:35 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7
GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 10
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 1:15 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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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ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4D
GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 11
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 1:57 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4

GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 12
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 2:27 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	050319-37
PROJECT NO:	2018100125.01	GTA SAMPLE NO:	13
LOCATION:	PARADISE 19	DATE SAMPLED:	5/3/2019
		TIME SAMPLED:	3:30 PM
	MI	DATE RECEIVED:	5/3/2019
		TIME RECEIVED:	4:45 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-3D	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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3
GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 14
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 3:55 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		5/6/2019	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.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 1

LOCATION: PARADISE 19

DATE SAMPLED: 5/2/2019

TIME SAMPLED: 12:40 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-12

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

5/9/2019

Sample

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: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 2

LOCATION: PARADISE 19

DATE SAMPLED: 5/2/2019

TIME SAMPLED: 1:10 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-12D

CHLORIDE EPA 300.0

Concentration

16

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

5/9/2019

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

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: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 3

LOCATION: PARADISE 19

DATE SAMPLED: 5/2/2019

TIME SAMPLED: 2:02 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 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-14D						
	CHLORIDE EPA 300.0	19	10	mg/L (PPM)	LV	5/9/2019	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: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 4

LOCATION: PARADISE 19

DATE SAMPLED: 5/2/2019

TIME SAMPLED: 2:35 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-14

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

5/9/2019

Sample

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: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 5
DATE SAMPLED: 5/2/2019
TIME SAMPLED: 3:25 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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		290	10	mg/L (PPM)	LV	5/9/2019	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: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 6

LOCATION: PARADISE 19

DATE SAMPLED: 5/3/2019

TIME SAMPLED: 10:40 AM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 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-6D						
	CHLORIDE EPA 300.0	16	10	mg/L (PPM)	LV	5/9/2019	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: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 7
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 11:15 AM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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-6						
	CHLORIDE EPA 300.0	11	10	mg/L (PPM)	LV	5/9/2019	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

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 8

LOCATION: PARADISE 19

DATE SAMPLED: 5/3/2019

TIME SAMPLED: 12:00 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-5D

CHLORIDE EPA 300.0

Concentration

64

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

5/9/2019

Sample

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: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 9

LOCATION: PARADISE 19

DATE SAMPLED: 5/3/2019

TIME SAMPLED: 12:35 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 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-5							
CHLORIDE EPA 300.0		10	10	mg/L (PPM)	LV	5/9/2019	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: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 10
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 1:15 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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	10	mg/L (PPM)	LV	5/9/2019	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: 050319-37

GTA SAMPLE NO: 11

PROJECT NO: 2018100125.01

LOCATION: PARADISE 19

DATE SAMPLED: 5/3/2019

TIME SAMPLED: 1:57 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 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-4D						
	CHLORIDE EPA 300.0	16	10	mg/L (PPM)	LV	5/9/2019	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

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100125.01
LOCATION: PARADISE 19
MI
SAMPLED BY: MAX KORNDORFER/GCES

GTA PROJECT NO: 050319-37
GTA SAMPLE NO: 12
DATE SAMPLED: 5/3/2019
TIME SAMPLED: 2:27 PM
DATE RECEIVED: 5/3/2019
TIME RECEIVED: 4:45 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	10	mg/L (PPM)	LV	5/9/2019	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: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 13

LOCATION: PARADISE 19

DATE SAMPLED: 5/3/2019

TIME SAMPLED: 3:30 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-3D

CHLORIDE EPA 300.0

Concentration

15

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

5/9/2019

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 050319-37

PROJECT NO: 2018100125.01

GTA SAMPLE NO: 14

LOCATION: PARADISE 19

DATE SAMPLED: 5/3/2019

TIME SAMPLED: 3:55 PM

DATE RECEIVED: 5/3/2019

TIME RECEIVED: 4:45 PM

MI

SAMPLED BY: MAX KORNDORFER/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-3

CHLORIDE EPA 300.0

Concentration

11

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

5/9/2019

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 2018100125.01	SITE NAME/ADDRESS Paradise 19	COMPANY/NAME Lambda Energy Resources, LLC
SAMPLED BY M. Kordorfer	COMPANY Gces	GTA PROJECT # 050319-37

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-12	5-2-19	12:40	GW	BTEX +4, Chloride
2	MW 12D	5-2-19	1:10	GW	BTEX +4, Chloride
3	MW 14D	5-2-19	2:02	GW	BTEX +4, Chloride
4	MW 14	5-2-19	2:35	GW	BTEX +4, Chloride
5	MW 13	5-2-19	3:25	GW	BTEX +4, Chloride
6	MW 6D	5-3-19	10:40	GW	BTEX +4, Chloride
7	MW 6	5-3-19	11:15	GW	BTEX +4, Chloride
8	MW 5D	5-3-19	12:00	GW	BTEX +4, Chloride
9	MW 5	5-3-19	12:35	GW	BTEX +4, Chloride
10	MW 7	5-3-19	1:15	GW	BTEX +4, Chloride
11	MW 4D	5-3-19	1:57	GW	BTEX +4, Chloride
12	MW 4	5-3-19	2:27	GW	BTEX +4, Chloride
13	MW 3D	5-3-19	3:30	GW	BTEX +4, Chloride
14	MW 3	5-3-19	3:55	GW	BTEX +4, Chloride

BILL TO:

Lambda Energy Resources

REPORT TO:

Gces (E. Vincke)

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature]

5-3-19 4:45pm

[Signature]

5/3/19 4:45
REC 202
DN 14

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