

**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: 091318-16

Site Addr: JOHNSON HILLIARD

Sampled By: BR/GCES

Date Rec: 9/13/2018

Time Rec: 4:25 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3S	9/12/2018	12:25 PM	WATER
2	MW-12S	9/12/2018	1:00 PM	WATER
3	MW-12D	9/12/2018	1:30 PM	WATER
4	MW-7	9/12/2018	1:45 PM	WATER
5	MW-1	9/12/2018	2:05 PM	WATER
6	MW-1D	9/12/2018	2:20 PM	WATER
7	MW-2	9/12/2018	2:35 PM	WATER
8	MW-2L	9/12/2018	2:50 PM	WATER
9	MW-2D	9/12/2018	3:05 PM	WATER
10	MW-11S	9/12/2018	3:25 PM	WATER
11	MW-11	9/12/2018	3:40 PM	WATER
12	MW-11D	9/12/2018	4:00 PM	WATER
13	MW-3D	9/12/2018	4:50 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 Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
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Traverse City, MI 49686
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3S

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 1
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 12:25 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM
SAMPLED BY: BR/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		9/15/2018	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: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-12S

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 2
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM
SAMPLED BY: BR/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		9/15/2018	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	GTA PROJECT NO:	091318-16
PROJECT NO:	2018100168.01	GTA SAMPLE NO:	3
LOCATION:	JOHNSON HILLIARD	DATE SAMPLED:	9/12/2018
		TIME SAMPLED:	1:30 PM
	MI	DATE RECEIVED:	9/13/2018
		TIME RECEIVED:	4:25 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-12D	SAMPLED BY:	BR/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		9/15/2018	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-7
GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 4
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM
SAMPLED BY: BR/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		9/15/2018	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: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1
GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 5
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 2:05 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM
SAMPLED BY: BR/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		9/15/2018	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

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	091318-16
PROJECT NO:	2018100168.01	GTA SAMPLE NO:	6
LOCATION:	JOHNSON HILLIARD	DATE SAMPLED:	9/12/2018
		TIME SAMPLED:	2:20 PM
		DATE RECEIVED:	9/13/2018
	MI	TIME RECEIVED:	4:25 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-1D	SAMPLED BY:	BR/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		9/15/2018	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2
GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 7
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 2:35 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM
SAMPLED BY: BR/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		9/15/2018	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

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	091318-16
PROJECT NO:	2018100168.01	GTA SAMPLE NO:	8
LOCATION:	JOHNSON HILLIARD	DATE SAMPLED:	9/12/2018
		TIME SAMPLED:	2:50 PM
	MI	DATE RECEIVED:	9/13/2018
		TIME RECEIVED:	4:25 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-2L	SAMPLED BY:	BR/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		9/15/2018	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: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2D
GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 9
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 3:05 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM
SAMPLED BY: BR/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		9/15/2018	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: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-11S
GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 10
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 3:25 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM
SAMPLED BY: BR/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	7.9	1.0	ug/L (PPB)	MR		9/15/2018	EPA 5030B
Toluene	14	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: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-11

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 11
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 3:40 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM
SAMPLED BY: BR/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		9/15/2018	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:	091318-16
PROJECT NO:	2018100168.01	GTA SAMPLE NO:	12
LOCATION:	JOHNSON HILLIARD	DATE SAMPLED:	9/12/2018
		TIME SAMPLED:	4:00 PM
	MI	DATE RECEIVED:	9/13/2018
		TIME RECEIVED:	4:25 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-11D	SAMPLED BY:	BR/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		9/15/2018	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:	091318-16
PROJECT NO:	2018100168.01	GTA SAMPLE NO:	13
LOCATION:	JOHNSON HILLIARD	DATE SAMPLED:	9/12/2018
		TIME SAMPLED:	4:50 PM
	MI	DATE RECEIVED:	9/13/2018
		TIME RECEIVED:	4:25 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-3D	SAMPLED BY:	BR/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		9/15/2018	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: 091318-16

PROJECT NO: 2018100168.01

GTA SAMPLE NO: 1

LOCATION: JOHNSON HILLIARD

DATE SAMPLED: 9/12/2018

TIME SAMPLED: 12:25 PM

DATE RECEIVED: 9/13/2018

TIME RECEIVED: 4:25 PM

SAMPLED BY: MI
BR/GCES

INORGANICS

No: Analysis

SAMPLE ID: MW-3S

CHLORIDE EPA 300.0

Concentration

12.2

LOD

2.5

Units

mg/L (PPM)

Analyst

LV

Date

9/19/2018

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: 091318-16

PROJECT NO: 2018100168.01

GTA SAMPLE NO: 2

LOCATION: JOHNSON HILLIARD

DATE SAMPLED: 9/12/2018

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 9/13/2018

TIME RECEIVED: 4:25 PM

SAMPLED BY: MI
BR/GCES

INORGANICS

No: Analysis

SAMPLE ID: MW-12S

CHLORIDE EPA 300.0

Concentration

6.1

LOD

2.5

Units

mg/L (PPM)

Analyst

LV

Date

9/19/2018

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

PROJECT NO: 2018100168.01

LOCATION: JOHNSON HILLIARD

GTA PROJECT NO: 091318-16

GTA SAMPLE NO: 3

DATE SAMPLED: 9/12/2018

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 9/13/2018

TIME RECEIVED: 4:25 PM

SAMPLED BY: MI
BR/GCES**INORGANICS****No: Analysis**

SAMPLE ID: MW-12D

CHLORIDE EPA 300.0

Concentration

155

LOD

2.5

Units

mg/L (PPM)

Analyst

LV

Date

9/19/2018

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: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLED BY: BR/GCES

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 4
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-7 CHLORIDE EPA 300.0	ND	2.5	mg/L (PPM)	LV	9/19/2018	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: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLED BY: BR/GCES

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 5
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 2:05 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-1						
	CHLORIDE EPA 300.0	96.9	2.5	mg/L (PPM)	LV	9/19/2018	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
MI
SAMPLED BY: BR/GCES
GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 6
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 2:20 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-1D						
	CHLORIDE EPA 300.0	9.2	2.5	mg/L (PPM)	LV	9/19/2018	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: 091318-16

PROJECT NO: 2018100168.01

GTA SAMPLE NO: 7

LOCATION: JOHNSON HILLIARD

DATE SAMPLED: 9/12/2018

TIME SAMPLED: 2:35 PM

DATE RECEIVED: 9/13/2018

TIME RECEIVED: 4:25 PM

SAMPLED BY: MI
BR/GCES

INORGANICS

No: Analysis

SAMPLE ID: MW-2

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

9.8

2.5

mg/L (PPM)

LV

9/19/2018

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
MI
SAMPLED BY: BR/GCES

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 8
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 2:50 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-2L CHLORIDE EPA 300.0	6.2	2.5	mg/L (PPM)	LV	9/19/2018	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
MI
SAMPLED BY: BR/GCES

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 9
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 3:05 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-2D							
CHLORIDE EPA 300.0		11.8	2.5	mg/L (PPM)	LV	9/19/2018	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
MI
SAMPLED BY: BR/GCES

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 10
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 3:25 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-11S							
CHLORIDE EPA 300.0		14,600	1,000	mg/L (PPM)	LV	9/19/2018	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
MI
SAMPLED BY: BR/GCES

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 11
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 3:40 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-11							
CHLORIDE EPA 300.0		275	2.5	mg/L (PPM)	LV	9/19/2018	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
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLED BY: BR/GCES

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 12
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 4:00 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-11D						
	CHLORIDE EPA 300.0	2,300	50	mg/L (PPM)	LV	9/19/2018	WATER

ND = NOT DETECTED, RESULT < LOD
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**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100168.01
LOCATION: JOHNSON HILLIARD
MI
SAMPLED BY: BR/GCES

GTA PROJECT NO: 091318-16
GTA SAMPLE NO: 13
DATE SAMPLED: 9/12/2018
TIME SAMPLED: 4:50 PM
DATE RECEIVED: 9/13/2018
TIME RECEIVED: 4:25 PM

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-3D CHLORIDE EPA 300.0	16.9	2.5	mg/L (PPM)	LV	9/19/2018	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Johnson Hilliard	LER
SAMPLED BY	COMPANY	GTA PROJECT #
BR	GCES	091318-16

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW 3s	9/12/18	12:25	GW	BTEX + 4, Chloride
2	NW 12s		1:00		
3	MW 12D		1:30		
4	MW 7		1:45		
5	MW 1		2:05		
6	MW 1D		2:20		
7	MW 2		2:35		
8	MW 2L		2:50		
9	MW 2D		3:05		
10	MW 11s		3:25		
11	MW 11		3:40		
12	MW 11D	↓	4:00	↓	↓
13	MW 3D	↓	4:50	↓	↓

BILL TO:

GCES

REPORT TO:

J. Simsa

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
B. Luper	9/13/18 4:25	J. Simsa	9/13/18 4:25
			9/13/18 4:25

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