

**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: 2018100140.01

GTA ProjNo: 080819-7

Site Addr: WHITEWATER 32

Sampled By: RAY FARVE/GCES

Date Rec: 8/8/2019

Time Rec: 11:30 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	RW-1	8/8/2019	10:51 AM	WATER
2	RW-2	8/8/2019	10:58 AM	WATER
3	RW-3	8/8/2019	11:07 AM	WATER
4	RW-21	8/8/2019	10:22 AM	WATER
5	RW-22	8/8/2019	10:28 AM	WATER
6	RW-28	8/8/2019	10:39 AM	WATER
7	RW-29	8/8/2019	10:45 AM	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: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-1

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 1
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:51 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 AM
SAMPLED BY: RAY FARVE/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		8/9/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-2

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 2
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:58 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 AM
SAMPLED BY: RAY FARVE/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		8/9/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-3

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 3
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 11:07 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 AM
SAMPLED BY: RAY FARVE/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		8/9/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-21

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 4
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:22 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 AM
SAMPLED BY: RAY FARVE/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		8/9/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-22

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 5
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:28 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 AM
SAMPLED BY: RAY FARVE/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		8/9/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	080819-7
PROJECT NO:	2018100140.01	GTA SAMPLE NO:	6
LOCATION:	WHITEWATER 32	DATE SAMPLED:	8/8/2019
		TIME SAMPLED:	10:39 AM
	MI	DATE RECEIVED:	8/8/2019
		TIME RECEIVED:	11:30 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	RW-28	SAMPLED BY:	RAY FARVE/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		8/9/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-29

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 7
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:45 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 AM
SAMPLED BY: RAY FARVE/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		8/9/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLED BY: RAY FARVE/GCES

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 1
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:51 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 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: RW-1							
CHLORIDE EPA 300.0		450	10	mg/L (PPM)	LV	8/12/2019	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: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLED BY: RAY FARVE/GCES

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 2
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:58 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 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: RW-2							
CHLORIDE EPA 300.0		100	10	mg/L (PPM)	LV	8/12/2019	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: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLED BY: RAY FARVE/GCES

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 3
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 11:07 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 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: RW-3							
CHLORIDE EPA 300.0		340	10	mg/L (PPM)	LV	8/12/2019	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: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLED BY: RAY FARVE/GCES

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 4
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:22 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 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: RW-21						
	CHLORIDE EPA 300.0	370	10	mg/L (PPM)	LV	8/12/2019	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: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLED BY: RAY FARVE/GCES

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 5
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:28 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 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: RW-22							
CHLORIDE EPA 300.0		510	50	mg/L (PPM)	LV	8/12/2019	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: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLED BY: RAY FARVE/GCES

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 6
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:39 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 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: RW-28							
CHLORIDE EPA 300.0		220	10	mg/L (PPM)	LV	8/12/2019	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: 2018100140.01
LOCATION: WHITEWATER 32
MI
SAMPLED BY: RAY FARVE/GCES

GTA PROJECT NO: 080819-7
GTA SAMPLE NO: 7
DATE SAMPLED: 8/8/2019
TIME SAMPLED: 10:45 AM
DATE RECEIVED: 8/8/2019
TIME RECEIVED: 11:30 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: RW-29							
CHLORIDE EPA 300.0		190	10	mg/L (PPM)	LV	8/12/2019	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER <i>2018100140.01</i>	SITE NAME/ADDRESS <i>Whispering 32</i>	COMPANY/NAME <i>Lambert</i>
SAMPLED BY <i>Ray Fure</i>	COMPANY <i>GLS</i>	GTA PROJECT # <i>080819-7</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>RW-1</i>	<i>8-8-19</i>	<i>10:51</i>	<i>GW</i>	<i>Chloride, BTEX</i>
2	<i>RW-2</i>		<i>10:58</i>		
3	<i>RW-3</i>		<i>11:07</i>		
4	<i>RW-21</i>		<i>10:22</i>		
5	<i>RW-22</i>		<i>10:28</i>		
6	<i>RW-28</i>		<i>10:39</i>		
7	<i>RW-29</i>		<i>10:45</i>		

BILL TO: *Lambert*

REPORT TO:

Fee 7.20 on file

Eric Vinko

RELEASED BY <i>Ray Fure</i>	DATE/TIME <i>8-8-19 / 11:25</i>	RECEIVED BY 	DATE/TIME <i>8-8-19 11:30A</i>
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REQUESTED TAT ☐ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS