

**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: 201810042

GTA ProjNo: 121321-1

Site Addr: BLAIR 36

Sampled By: BRENDON RUPPEN/GCES

Date Rec: 12/13/2021

Time Rec: 3:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-13S	12/13/2021	12:20 PM	WATER
2	MW-13M	12/13/2021	12:30 PM	WATER
3	MW-13	12/13/2021	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 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: 201810042
LOCATION: BLAIR 36
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13S

GTA PROJECT NO: 121321-1
GTA SAMPLE NO: 1
DATE SAMPLED: 12/13/2021
TIME SAMPLED: 12:20 PM
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 3:40 PM
SAMPLED BY: BRENDON RUPPEN/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		12/17/2021	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: 201810042
LOCATION: BLAIR 36
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13M

GTA PROJECT NO: 121321-1
GTA SAMPLE NO: 2
DATE SAMPLED: 12/13/2021
TIME SAMPLED: 12:30 PM
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 3:40 PM
SAMPLED BY: BRENDON RUPPEN/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		12/17/2021	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: 201810042
LOCATION: BLAIR 36
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13

GTA PROJECT NO: 121321-1
GTA SAMPLE NO: 3
DATE SAMPLED: 12/13/2021
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 12/13/2021
TIME RECEIVED: 3:40 PM
SAMPLED BY: BRENDON RUPPEN/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		12/17/2021	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: 201810042

LOCATION: BLAIR 36

GTA PROJECT NO: 121321-1

GTA SAMPLE NO: 1

DATE SAMPLED: 12/13/2021

TIME SAMPLED: 12:20 PM

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 3:40 PM

MI

SAMPLED BY: BRENDON RUPPEN/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-13S

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

ND

220

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

TR

TR

Date Completed

12/21/2021

12/21/2021

Sample Matrix

WATER

WATER

ND = NOT DETECTED, RESULT < LOD

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: 201810042

LOCATION: BLAIR 36

GTA PROJECT NO: 121321-1

GTA SAMPLE NO: 2

DATE SAMPLED: 12/13/2021

TIME SAMPLED: 12:30 PM

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 3:40 PM

MI

SAMPLED BY: BRENDON RUPPEN/GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-13M

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

ND

550

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

TR

TR

Date Completed

12/21/2021

12/21/2021

Sample Matrix

WATER

WATER

ND = NOT DETECTED, RESULT < LOD

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: 201810042

LOCATION: BLAIR 36

GTA PROJECT NO: 121321-1

GTA SAMPLE NO: 3

DATE SAMPLED: 12/13/2021

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 12/13/2021

TIME RECEIVED: 3:40 PM

MI

SAMPLED BY: BRENDON RUPPEN/GCES

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-13						
	CHLORIDE EPA 300.0	35	10	mg/L (PPM)	TR	12/21/2021	WATER
	CONDUCTIVITY SM2510-B	530	1.0	uS/cm@25C	TR	12/21/2021	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED

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CHAIN OF CUSTODY

PROJECT NUMBER 2018100042	SITE NAME/ADDRESS Blair 36	COMPANY/NAME LER
SAMPLED BY Brendan Ruppen	COMPANY GCES	GTA PROJECT # 121321-1

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-13s	12/13/21	12:30	GW	BTX, Chloride, Spec. Cond.
2	MW-13m	↓	12:30	↓	↓ ↓ ↓
3	MW-13	↓	1:00	↓	↓ ↓ ↓

BILL TO: LER	TempRec: ☐ 1.40C	On Ice? ☒ Y ☐ N	REPORT TO: E. Vincke
RELEASED BY B. Ruppen	DATE/TIME 12/13/21 3:40	RECEIVED BY K. Vincke	DATE/TIME 12/13/21 3:40P
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			