

**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: 2018100106

GTA ProjNo: 082622-14

Site Addr: HAYES 22 CPF

Sampled By: BRENDON RUPPEN/GCES

Date Rec: 8/26/2022

Time Rec: 3:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	RW-202	8/26/2022	11:23 AM	WATER
2	MW-133	8/26/2022	11:45 AM	WATER
3	MW-134	8/26/2022	12:08 PM	WATER
4	MW-135	8/26/2022	12:33 PM	WATER
5	MW-136	8/26/2022	12:54 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
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: RW-202
GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 1
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 11:23 AM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 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		8/29/2022	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: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-133

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 2
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 11:45 AM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 PM
SAMPLED BY: BRENDON RUPPEN/GCES

EPA 8260B VOLATILE ORGANICS

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Ethylbenzene	ND	1.0					
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PROJECT NO: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-134

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 3
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 12:08 PM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 PM
SAMPLED BY: BRENDON RUPPEN/GCES

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PROJECT NO: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-135

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 4
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 12:33 PM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 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>
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-136

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 5
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 12:54 PM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 PM
SAMPLED BY: BRENDON RUPPEN/GCES

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<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>
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLED BY: BRENDON RUPPEN/GCES

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 1
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 11:23 AM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 PM

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: RW-202							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	8/30/2022	WATER

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



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PROJECT NO: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLED BY: BRENDON RUPPEN/GCES

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 2
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 11:45 AM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 PM

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-133							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	8/30/2022	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: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLED BY: BRENDON RUPPEN/GCES

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 3
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 12:08 PM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 PM

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-134 CHLORIDE EPA 300.0	12	10	mg/L (PPM)	KC/TR	8/30/2022	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: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLED BY: BRENDON RUPPEN/GCES

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 4
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 12:33 PM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 PM

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-135							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	8/30/2022	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: 2018100106
LOCATION: HAYES 22 CPF
MI
SAMPLED BY: BRENDON RUPPEN/GCES

GTA PROJECT NO: 082622-14
GTA SAMPLE NO: 5
DATE SAMPLED: 8/26/2022
TIME SAMPLED: 12:54 PM
DATE RECEIVED: 8/26/2022
TIME RECEIVED: 3:30 PM

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-136 CHLORIDE EPA 300.0	34	10	mg/L (PPM)	KC/TR	8/30/2022	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 2018100106	SITE NAME/ADDRESS Hayes 22	COMPANY/NAME LER
SAMPLED BY Brendan Ruppen	COMPANY GCES	GTA PROJECT # 082622-14

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	RW-202	8/26/22	11:23	GW	BTEX+4, Chloride
2	MW-133	↓	11:45	↓	↓
3	MW-134	↓	12:08	↓	↓
4	MW-135	↓	12:33	↓	↓
5	MW-136	↓	12:54	↓	↓

BILL TO: LER	TempRec: ☐ 8.30C	On Ice? ☒ Y ☐ N	REPORT TO: J. Simsa
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RELEASED BY B. Ruppen	DATE/TIME 8/26/22 3:30	RECEIVED BY R. Ch	DATE/TIME 8/26 3:30p

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