



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: 2018100142.01
GTA ProjNo: 032024-6

Site Addr: WEDHOLM MCCAGUE 1-31

Sampled By: JFR/GCES
Date Rec: 3/20/2024
Time Rec: 3:08 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-101S	3/20/2024	12:20 PM	WATER
2	MW-101D	3/20/2024	12:35 PM	WATER
3	MW-104S	3/20/2024	12:45 PM	WATER
4	MW-104D	3/20/2024	1:00 PM	WATER
5	MW-105	3/20/2024	1:15 PM	WATER
6	SUMP	3/20/2024	1:30 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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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-101S

GTA PROJECT NO: 032024-6
 GTA SAMPLE NO: 1
 DATE SAMPLED: 3/20/2024
 TIME SAMPLED: 12:20 PM
 DATE RECEIVED: 3/20/2024
 TIME RECEIVED: 3:08 PM

SAMPLED BY: JFR/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/23/2024	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: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-101D

GTA PROJECT NO: 032024-6
 GTA SAMPLE NO: 2
 DATE SAMPLED: 3/20/2024
 TIME SAMPLED: 12:35 PM
 DATE RECEIVED: 3/20/2024
 TIME RECEIVED: 3:08 PM

SAMPLED BY: JFR/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/23/2024	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: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-104S

GTA PROJECT NO: 032024-6
 GTA SAMPLE NO: 3
 DATE SAMPLED: 3/20/2024
 TIME SAMPLED: 12:45 PM
 DATE RECEIVED: 3/20/2024
 TIME RECEIVED: 3:08 PM

SAMPLED BY: JFR/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/23/2024	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: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-104D

GTA PROJECT NO: 032024-6
 GTA SAMPLE NO: 4
 DATE SAMPLED: 3/20/2024
 TIME SAMPLED: 1:00 PM
 DATE RECEIVED: 3/20/2024
 TIME RECEIVED: 3:08 PM

SAMPLED BY: JFR/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/23/2024	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: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-105

GTA PROJECT NO: 032024-6
 GTA SAMPLE NO: 5
 DATE SAMPLED: 3/20/2024
 TIME SAMPLED: 1:15 PM
 DATE RECEIVED: 3/20/2024
 TIME RECEIVED: 3:08 PM

SAMPLED BY: JFR/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/23/2024	EPA 5030B
Toluene	13	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: 2018100142.01
LOCATION: WEDHOLM MCCAGUE 1-31
MI
SAMPLE MATRIX: WATER
SAMPLE ID: SUMP

GTA PROJECT NO: 032024-6
GTA SAMPLE NO: 6
DATE SAMPLED: 3/20/2024
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 3/20/2024
TIME RECEIVED: 3:08 PM

SAMPLED BY: JFR/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	5.0	ug/L (PPB)	MR		3/23/2024	EPA 5030B
Toluene	42	5.0					
Ethylbenzene	22	5.0					
Xylene(Total)	520	150					
1,2,4-Trimethylbenzene	4,700	50					
1,3,5-Trimethylbenzene	1,300	50					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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PROJECT NO: 2018100142.01
LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 032024-6
GTA SAMPLE NO: 1
DATE SAMPLED: 3/20/2024
TIME SAMPLED: 12:20 PM
DATE RECEIVED: 3/20/2024
TIME RECEIVED: 3:08 PM

MI
SAMPLED BY: JFR/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-101S						
	CHLORIDE EPA 300.0	47	10	mg/L (PPM)	KC/TR	3/26/2024	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	340	5.0	mg/L (PPM)	TR	3/26/2024	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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PROJECT NO: 2018100142.01
LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 032024-6
GTA SAMPLE NO: 2
DATE SAMPLED: 3/20/2024
TIME SAMPLED: 12:35 PM
DATE RECEIVED: 3/20/2024
TIME RECEIVED: 3:08 PM

MI
SAMPLED BY: JFR/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-101D						
	CHLORIDE EPA 300.0	41	10	mg/L (PPM)	KC/TR	3/26/2024	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	280	5.0	mg/L (PPM)	TR	3/26/2024	WATER

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LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 032024-6
GTA SAMPLE NO: 3
DATE SAMPLED: 3/20/2024
TIME SAMPLED: 12:45 PM
DATE RECEIVED: 3/20/2024
TIME RECEIVED: 3:08 PM

MI
SAMPLED BY: JFR/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-104S						
	CHLORIDE EPA 300.0	180	10	mg/L (PPM)	KC/TR	3/26/2024	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	680	5.0	mg/L (PPM)	TR	3/26/2024	WATER

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GTA PROJECT NO: 032024-6
GTA SAMPLE NO: 4
DATE SAMPLED: 3/20/2024
TIME SAMPLED: 1:00 PM
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TIME RECEIVED: 3:08 PM

MI
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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-104D						
	CHLORIDE EPA 300.0	110	10	mg/L (PPM)	KC/TR	3/26/2024	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	460	5.0	mg/L (PPM)	TR	3/26/2024	WATER

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LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 032024-6
GTA SAMPLE NO: 5
DATE SAMPLED: 3/20/2024
TIME SAMPLED: 1:15 PM
DATE RECEIVED: 3/20/2024
TIME RECEIVED: 3:08 PM

SAMPLED BY: MI
JFR/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-105							
CHLORIDE EPA 300.0		680	50	mg/L (PPM)	KC/TR	3/26/2024	WATER

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PROJECT NO: 2018100142.01
LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 032024-6
GTA SAMPLE NO: 6
DATE SAMPLED: 3/20/2024
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 3/20/2024
TIME RECEIVED: 3:08 PM

SAMPLED BY: MI
JFR/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: SUMP CHLORIDE EPA 300.0	230	10	mg/L (PPM)	KC/TR	3/26/2024	WATER

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

