



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 Site Addr: WEDHOLM MCCAGUE 1-31
Name:
ClientProj: 2018100142.01
GTA ProjNo: 022725-1
Sampled By: JOSHUA GERRIE/GCES
Date Rec: 2/27/2025
Time Rec: 1:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-101S	2/27/2025		WATER
2	MW-101D	2/27/2025		WATER
3	MW-104S	2/27/2025		WATER
4	MW-104D	2/27/2025		WATER
5	MW-105	2/27/2025		WATER
6	MW-106	2/27/2025		WATER
7	MW-107	2/27/2025		WATER
8	SUMP	2/27/2025		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: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-101S

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 1
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

SAMPLED BY: JOSHUA GERRIE/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		2/28/2025	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: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-101D

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 2
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

SAMPLED BY: JOSHUA GERRIE/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		2/28/2025	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: 022725-1
 GTA SAMPLE NO: 3
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

SAMPLED BY: JOSHUA GERRIE/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		2/28/2025	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: 2018100142.01
LOCATION: WEDHOLM MCCAGUE 1-31
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-104D

GTA PROJECT NO: 022725-1
GTA SAMPLE NO: 4
DATE SAMPLED: 2/27/2025
TIME SAMPLED:
DATE RECEIVED: 2/27/2025
TIME RECEIVED: 1:30 PM

SAMPLED BY: JOSHUA GERRIE/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		2/28/2025	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: 022725-1
 GTA SAMPLE NO: 5
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

SAMPLED BY: JOSHUA GERRIE/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	2.6	1.0	ug/L (PPB)	MR		2/28/2025	EPA 5030B
Toluene	3.3	1.0					
Ethylbenzene	30	1.0					
Xylene(Total)	23	3.0					
1,2,4-Trimethylbenzene	81	1.0					
1,3,5-Trimethylbenzene	22	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-106

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 6
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

SAMPLED BY: JOSHUA GERRIE/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		2/28/2025	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-107

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 7
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

SAMPLED BY: JOSHUA GERRIE/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		2/28/2025	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: SUMP

GTA PROJECT NO: 022725-1
GTA SAMPLE NO: 8
DATE SAMPLED: 2/27/2025
TIME SAMPLED:
DATE RECEIVED: 2/27/2025
TIME RECEIVED: 1:30 PM

SAMPLED BY: JOSHUA GERRIE/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	1.8	1.0	ug/L (PPB)	MR		2/28/2025	EPA 5030B
Toluene	2,400	40					
Ethylbenzene	150	1.0					
Xylene(Total)	1,700	120					
1,2,4-Trimethylbenzene	9,200	40					
1,3,5-Trimethylbenzene	2,400	40					
Naphthalene	14	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
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 022725-1
GTA SAMPLE NO: 1
DATE SAMPLED: 2/27/2025
TIME SAMPLED:
DATE RECEIVED: 2/27/2025
TIME RECEIVED: 1:30 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-101S						
CHLORIDE EPA 300.0	23	10	mg/L (PPM)	KC/TR	3/4/2025	WATER
TOTAL DISSOLVED SOLIDS EPA 160.1	260	5.0	mg/L (PPM)	TR	3/5/2025	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 2
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

MI
 SAMPLED BY: JOSHUA GERRIE/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	34	10	mg/L (PPM)	KC/TR	3/4/2025	WATER
TOTAL DISSOLVED SOLIDS EPA 160.1	260	5.0	mg/L (PPM)	TR	3/5/2025	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 3
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

MI
 SAMPLED BY: JOSHUA GERRIE/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	51	10	mg/L (PPM)	KC/TR	3/4/2025	WATER
TOTAL DISSOLVED SOLIDS EPA 160.1	300	5.0	mg/L (PPM)	TR	3/5/2025	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: 2018100142.01
LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 022725-1
GTA SAMPLE NO: 4
DATE SAMPLED: 2/27/2025
TIME SAMPLED:
DATE RECEIVED: 2/27/2025
TIME RECEIVED: 1:30 PM

MI
SAMPLED BY: JOSHUA GERRIE/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-104D						
	CHLORIDE EPA 300.0	51	10	mg/L (PPM)	KC/TR	3/4/2025	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	290	5.0	mg/L (PPM)	TR	3/5/2025	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 5
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

MI
 SAMPLED BY: JOSHUA GERRIE/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	45	10	mg/L (PPM)	KC/TR	3/4/2025	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: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31
 MI
 SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 7
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 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-107 CHLORIDE EPA 300.0	71	10	mg/L (PPM)	KC/TR	3/4/2025	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: 2018100142.01
 LOCATION: WEDHOLM MCCAGUE 1-31

GTA PROJECT NO: 022725-1
 GTA SAMPLE NO: 8
 DATE SAMPLED: 2/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 2/27/2025
 TIME RECEIVED: 1:30 PM

MI
 SAMPLED BY: JOSHUA GERRIE/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	1,100	50	mg/L (PPM)	KC/TR	3/4/2025	WATER
	CHLORIDE EPA 300.0						

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

CHAIN OF CUSTODY

PROJECT NUMBER <i>2018100142.01</i>	SITE NAME/ADDRESS <i>Wedholm McCague 1-31</i>	COMPANY/NAME <i>Lambda Energy Resources</i>
SAMPLED BY <i>Toshva Gerrie</i>	COMPANY <i>Gosling Czubak</i>	GTA PROJECT # <i>022725-1</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-101s	2-27-25		GW	BTEX+4, Chloride, & TDS
2	MW-101d	↓		↓	↓
3	MW-104s	↓		↓	↓
4	MW-104d	↓		↓	↓
5	MW-105	↓		↓	BTEX+4 & Chloride
6	MW-106	↓		↓	↓
7	MW-107	↓		↓	↓
8	Seep	↓		↓	↓

BILL TO: <i>Lambda Energy Resources</i>	TempRec: <input type="checkbox"/> <i>31°C</i>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: <i>Jeff Simsa</i>
--	--	--	---------------------------------

RELEASED BY <i>[Signature]</i>	DATE/TIME <i>2-27-25/1330</i>	RECEIVED BY <i>K. O'Neil</i>	DATE/TIME <i>2/27/25 1330</i>
-----------------------------------	----------------------------------	---------------------------------	----------------------------------

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