



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: 092325-5

Site Addr: WEDHOLM MCCAGUE 1-31

Sampled By: JOSHUA GERRIE/GCES
Date Rec: 9/23/2025
Time Rec: 1:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-101S	9/23/2025		WATER
2	MW-101D	9/23/2025		WATER
3	MW-104S	9/23/2025		WATER
4	MW-104D	9/23/2025		WATER
5	MW-105	9/23/2025		WATER
6	MW-106	9/23/2025		WATER
7	MW-107	9/23/2025		WATER
8	SUMP	9/23/2025		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: 092325-5
 GTA SAMPLE NO: 1
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		9/24/2025	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: 092325-5
 GTA SAMPLE NO: 2
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		9/24/2025	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: 092325-5

GTA SAMPLE NO: 3

DATE SAMPLED: 9/23/2025

TIME SAMPLED:

DATE RECEIVED: 9/23/2025

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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		9/24/2025	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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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: 092325-5
 GTA SAMPLE NO: 4
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		9/24/2025	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-105

GTA PROJECT NO: 092325-5
GTA SAMPLE NO: 5
DATE SAMPLED: 9/23/2025
TIME SAMPLED:
DATE RECEIVED: 9/23/2025
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 Completed</u>	<u>Prep Method</u>
Benzene	6.5	1.0	ug/L (PPB)	MR		9/25/2025	EPA 5030B
Toluene	120	20					
Ethylbenzene	150	20					
Xylene(Total)	370	60					
1,2,4-Trimethylbenzene	3,600	20					
1,3,5-Trimethylbenzene	870	20					
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: 092325-5
 GTA SAMPLE NO: 6
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		9/25/2025	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: 092325-5
 GTA SAMPLE NO: 7
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		9/24/2025	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



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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: 092325-5
 GTA SAMPLE NO: 8
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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 Completed</u>	<u>Prep Method</u>
Benzene	2.0	1.0	ug/L (PPB)	MR		9/25/2025	EPA 5030B
Toluene	1,300	25					
Ethylbenzene	100	25					
Xylene(Total)	1,700	75					
1,2,4-Trimethylbenzene	12,000	100					
1,3,5-Trimethylbenzene	3,200	100					
Naphthalene	39	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

GTA PROJECT NO: 092325-5
GTA SAMPLE NO: 1
DATE SAMPLED: 9/23/2025
TIME SAMPLED:
DATE RECEIVED: 9/23/2025
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-101S						
	CHLORIDE EPA 300.0	37	10	mg/L (PPM)	KC/TR	10/2/2025	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	830	5.0	mg/L (PPM)	TR	9/29/2025	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: 092325-5
 GTA SAMPLE NO: 2
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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	39	10	mg/L (PPM)	KC/TR	10/2/2025	WATER
TOTAL DISSOLVED SOLIDS EPA 160.1	300	5.0	mg/L (PPM)	TR	9/29/2025	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
 MI
 SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 092325-5
 GTA SAMPLE NO: 3
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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-104S						
CHLORIDE EPA 300.0	44	10	mg/L (PPM)	KC/TR	10/2/2025	WATER
TOTAL DISSOLVED SOLIDS EPA 160.1	290	5.0	mg/L (PPM)	TR	9/29/2025	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: 092325-5
 GTA SAMPLE NO: 4
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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	62	10	mg/L (PPM)	KC/TR	10/2/2025	WATER
TOTAL DISSOLVED SOLIDS EPA 160.1	330	5.0	mg/L (PPM)	TR	9/29/2025	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
 MI
 SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 092325-5
 GTA SAMPLE NO: 6
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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-106 CHLORIDE EPA 300.0	37	10	mg/L (PPM)	KC/TR	10/2/2025	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: 092325-5
 GTA SAMPLE NO: 7
 DATE SAMPLED: 9/23/2025
 TIME SAMPLED:
 DATE RECEIVED: 9/23/2025
 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-107	CHLORIDE EPA 300.0	34	10	mg/L (PPM)	KC/TR	10/2/2025	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: 092325-5
GTA SAMPLE NO: 8
DATE SAMPLED: 9/23/2025
TIME SAMPLED:
DATE RECEIVED: 9/23/2025
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: SUMP CHLORIDE EPA 300.0	31	10	mg/L (PPM)	KC/TR	10/2/2025	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 2018100142.01	SITE NAME/ADDRESS Wedholm-McCague 1-31	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Gerrie	COMPANY Gosling Czepak	GTA PROJECT # 092325-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-101s	9-23-25		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	Sump	↓		↓	↓ ↓ ↓

BILL TO: Lambda Energy Resources	TempRec: <input type="checkbox"/> 3.0°C	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: Jeff Simsa
RELEASED BY 	DATE/TIME 9-23-25/1330	RECEIVED BY K-M	DATE/TIME 9/23/25 1330
REQUESTED TAT <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 1 BUSINESS DAY <input type="checkbox"/> 2 BUSINESS DAYS <input type="checkbox"/> 3 BUSINESS DAYS			