



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: LAMBDA ENERGY RESOURCES, LLC      Site Addr: WEDHOLM MCCAGUE 1-31  
Name:  
ClientProj: 2018100142.01  
GTA ProjNo: 061325-15      Sampled By: DJT/GCES  
Date Rec: 6/13/2025  
Time Rec: 1:19 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-101S	6/13/2025		WATER
2	MW-101D	6/13/2025		WATER
3	MW-104S	6/13/2025		WATER
4	MW-104D	6/13/2025		WATER
5	MW-105	6/13/2025		WATER
6	MW-106	6/13/2025		WATER
7	MW-107	6/13/2025		WATER
8	SUMP	6/13/2025		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  
Ph: 231-929-0905  
Fx: 231-929-0894  
SP: 231-590-0291  
[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)

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: 061325-15  
GTA SAMPLE NO: 1  
DATE SAMPLED: 6/13/2025  
TIME SAMPLED:  
DATE RECEIVED: 6/13/2025  
TIME RECEIVED: 1:19 PM

SAMPLED BY: DJT/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		6/16/2025	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: MW-101D

GTA PROJECT NO: 061325-15  
GTA SAMPLE NO: 2  
DATE SAMPLED: 6/13/2025  
TIME SAMPLED:  
DATE RECEIVED: 6/13/2025  
TIME RECEIVED: 1:19 PM

SAMPLED BY: DJT/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		6/16/2025	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: MW-104S

GTA PROJECT NO: 061325-15  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 6/13/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 6/13/2025  
 TIME RECEIVED: 1:19 PM

SAMPLED BY: DJT/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		6/16/2025	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: MW-104D

GTA PROJECT NO: 061325-15  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 6/13/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 6/13/2025  
 TIME RECEIVED: 1:19 PM

SAMPLED BY: DJT/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		6/16/2025	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: MW-105

GTA PROJECT NO: 061325-15  
GTA SAMPLE NO: 5  
DATE SAMPLED: 6/13/2025  
TIME SAMPLED:  
DATE RECEIVED: 6/13/2025  
TIME RECEIVED: 1:19 PM

SAMPLED BY: DJT/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		6/16/2025	EPA 5030B
Toluene	2.6	1.0					
Ethylbenzene	22	1.0					
Xylene(Total)	42	3.0					
1,2,4-Trimethylbenzene	380	1.0					
1,3,5-Trimethylbenzene	95	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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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-106

GTA PROJECT NO: 061325-15  
GTA SAMPLE NO: 6  
DATE SAMPLED: 6/13/2025  
TIME SAMPLED:  
DATE RECEIVED: 6/13/2025  
TIME RECEIVED: 1:19 PM

SAMPLED BY: DJT/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		6/16/2025	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: MW-107

GTA PROJECT NO: 061325-15  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 6/13/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 6/13/2025  
 TIME RECEIVED: 1:19 PM

SAMPLED BY: DJT/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		6/16/2025	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: 061325-15  
GTA SAMPLE NO: 8  
DATE SAMPLED: 6/13/2025  
TIME SAMPLED:  
DATE RECEIVED: 6/13/2025  
TIME RECEIVED: 1:19 PM

SAMPLED BY: DJT/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	5.7	5.0	ug/L (PPB)	MR		6/16/2025	EPA 5030B
Toluene	3,700	100					
Ethylbenzene	480	100					
Xylene(Total)	5,100	300					
1,2,4-Trimethylbenzene	89,000	100					
1,3,5-Trimethylbenzene	24,000	100					
Naphthalene	89	5.0					
2-Methylnaphthalene	5.2	5.0					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	061325-15
PROJECT NO:	2018100142.01	GTA SAMPLE NO:	1
LOCATION:	WEDHOLM MCCAGUE 1-31	DATE SAMPLED:	6/13/2025
		TIME SAMPLED:	
		DATE RECEIVED:	6/13/2025
		TIME RECEIVED:	1:19 PM
	MI		
SAMPLED BY:	DJT/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	35	10	mg/L (PPM)	KC/TR	6/20/2025	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	240	5.0	mg/L (PPM)	TR	6/23/2025	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: 061325-15  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 6/13/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 6/13/2025  
 TIME RECEIVED: 1:19 PM

MI  
 SAMPLED BY: DJT/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	ND	10	mg/L (PPM)	KC/TR	6/20/2025	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	280	5.0	mg/L (PPM)	TR	6/23/2025	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	GTA PROJECT NO:	061325-15
PROJECT NO:	2018100142.01	GTA SAMPLE NO:	3
LOCATION:	WEDHOLM MCCAGUE 1-31	DATE SAMPLED:	6/13/2025
		TIME SAMPLED:	
		DATE RECEIVED:	6/13/2025
		TIME RECEIVED:	1:19 PM
	MI		
SAMPLED BY:	DJT/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	13	10	mg/L (PPM)	KC/TR	6/20/2025	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	190	5.0	mg/L (PPM)	TR	6/23/2025	WATER

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



**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	061325-15
PROJECT NO:	2018100142.01	GTA SAMPLE NO:	4
LOCATION:	WEDHOLM MCCAGUE 1-31	DATE SAMPLED:	6/13/2025
		TIME SAMPLED:	
		DATE RECEIVED:	6/13/2025
		TIME RECEIVED:	1:19 PM
	MI		
SAMPLED BY:	DJT/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	58	10	mg/L (PPM)	KC/TR	6/20/2025	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	350	5.0	mg/L (PPM)	TR	6/23/2025	WATER

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 LOD = LIMIT OF DETECTION  
 s.u. = STANDARD pH UNITS REPORTED AT 25 C  
 DISS = DISSOLVED



**INDEPENDENT TESTING LAB**

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PH: 231-929-0905

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

GTA PROJECT NO: 061325-15  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 6/13/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 6/13/2025  
 TIME RECEIVED: 1:19 PM

SAMPLED BY: MI  
 DJT/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	36	10	mg/L (PPM)	KC/TR	6/20/2025	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: 061325-15  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 6/13/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 6/13/2025  
 TIME RECEIVED: 1:19 PM

SAMPLED BY: MI  
 DJT/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-106 CHLORIDE EPA 300.0	14	10	mg/L (PPM)	KC/TR	6/20/2025	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: 061325-15  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 6/13/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 6/13/2025  
 TIME RECEIVED: 1:19 PM

MI  
 SAMPLED BY: DJT/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	36	10	mg/L (PPM)	KC/TR	6/20/2025	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: 061325-15  
 GTA SAMPLE NO: 8  
 DATE SAMPLED: 6/13/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 6/13/2025  
 TIME RECEIVED: 1:19 PM

MI  
 SAMPLED BY: DJT/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	39	10	mg/L (PPM)	KC/TR	6/20/2025	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 2018100142.01	SITE NAME/ADDRESS Vedholm Melage 1-31	COMPANY/NAME LER
SAMPLED BY DJT	COMPANY GCEJ	GTA PROJECT # 061325-15

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-101s	6/13/25		GW	BTEX+4, Cl <sup>-</sup> , TDS
2	MW-101d				
3	MW-104s				
4	MW-104d				
5	MW-105				BTEX+4, Cl <sup>-</sup>
6	MW-106				
7	MW-107				
8	Sump				

BILL TO: Lambda	TempRec: <input type="checkbox"/> 2.3°C	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: J. Simsa
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RELEASED BY Dmitry	DATE/TIME 6/13/25 1:19	RECEIVED BY Alpas	DATE/TIME 6/13/25 1:19
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS