

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

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www.gtanalytical.com

Company: LAMBDA ENERGY RESOURCES, LLC

Name:

ClientProj: 21-140

GTA ProjNo: 033125-5

Site Addr: LEG OFFICE

Sampled By: ANDREW PUFFPAFF/OMPC

Date Rec: 3/31/2025

Time Rec: 3:48 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	3/31/2025		WATER
2	MW-2	3/31/2025		WATER
3	MW-3	3/31/2025		WATER
4	MW-4	3/31/2025		WATER
5	MW-5	3/31/2025		WATER
6	MW-6	3/31/2025		WATER
7	MW-7	3/31/2025		WATER
8	MW-8	3/31/2025		WATER
9	MW-9	3/31/2025		WATER
10	MW-10	3/31/2025		WATER
11	MW-11	3/31/2025		WATER
12	MW-12	3/31/2025		WATER
13	MW-13	3/31/2025		WATER
14	MW-14	3/31/2025		WATER
15	MW-15	3/31/2025		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
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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	1
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-1	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	4,000	50	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	8,900	50					
Ethylbenzene	940	50					
Xylene(Total)	4,300	150					
1,2,4-Trimethylbenzene	1,300	5.0					
1,3,5-Trimethylbenzene	250	5.0					
Naphthalene	64	5.0					
2-Methylnaphthalene	140	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	2
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-2	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	1.3	1.0	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	13	1.0					
Ethylbenzene	3.4	1.0					
Xylene(Total)	23	3.0					
1,2,4-Trimethylbenzene	14	1.0					
1,3,5-Trimethylbenzene	22	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	6.8	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	3
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-3	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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		4/3/2025	EPA 5030B
Toluene	6.2	1.0					
Ethylbenzene	1.4	1.0					
Xylene(Total)	33	3.0					
1,2,4-Trimethylbenzene	68	1.0					
1,3,5-Trimethylbenzene	27	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	21	5.0					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	4
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-4	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	90	5.0	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	3,700	50					
Ethylbenzene	830	50					
Xylene(Total)	3,200	150					
1,2,4-Trimethylbenzene	890	50					
1,3,5-Trimethylbenzene	230	5.0					
Naphthalene	63	5.0					
2-Methylnaphthalene	150	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	5
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-5	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	1,100	50	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	6,000	50					
Ethylbenzene	880	50					
Xylene(Total)	4,200	150					
1,2,4-Trimethylbenzene	920	50					
1,3,5-Trimethylbenzene	200	5.0					
Naphthalene	52	5.0					
2-Methylnaphthalene	93	5.0					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	6
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-6	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	450	50	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	2,700	50					
Ethylbenzene	400	50					
Xylene(Total)	2,700	150					
1,2,4-Trimethylbenzene	890	50					
1,3,5-Trimethylbenzene	160	50					
Naphthalene	45	5.0					
2-Methylnaphthalene	130	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	7
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-7	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	210	5.0	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	3,400	50					
Ethylbenzene	540	50					
Xylene(Total)	4,300	150					
1,2,4-Trimethylbenzene	1,600	50					
1,3,5-Trimethylbenzene	230	5.0					
Naphthalene	50	5.0					
2-Methylnaphthalene	130	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	8
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-8	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	2,500	50	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	5,200	50					
Ethylbenzene	740	50					
Xylene(Total)	3,300	150					
1,2,4-Trimethylbenzene	820	50					
1,3,5-Trimethylbenzene	190	5.0					
Naphthalene	38	5.0					
2-Methylnaphthalene	84	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	9
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-9	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	250	1.0	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	2.8	1.0					
Xylene(Total)	55	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	10
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-10	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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		4/2/2025	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	11
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-11	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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	1,300	25	ug/L (PPB)	MR		4/3/2025	EPA 5030B
Toluene	320	25					
Ethylbenzene	56	1.0					
Xylene(Total)	480	3.0					
1,2,4-Trimethylbenzene	62	1.0					
1,3,5-Trimethylbenzene	13	1.0					
Naphthalene	5.8	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	12
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-12	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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		4/2/2025	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	13
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-13	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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		4/2/2025	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	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	14
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-14	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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		4/2/2025	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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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	033125-5
PROJECT NO:	21-140	GTA SAMPLE NO:	15
LOCATION:	LEG OFFICE	DATE SAMPLED:	3/31/2025
		TIME SAMPLED:	
	MI	DATE RECEIVED:	3/31/2025
		TIME RECEIVED:	3:48 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-15	SAMPLED BY:	ANDREW PUFFPAFF/OMPC

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		4/2/2025	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

CHAIN OF CUSTODY

PROJECT NUMBER 21-140	SITE NAME/ADDRESS LEG Office	COMPANY/NAME Lambda
SAMPLED BY Andrew Puffpatt	COMPANY OMPC	GTA PROJECT # 033125-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-1	3/31/25		H ₂ O	HIPs
	MW-2				
	MW-3				
	MW-4				
	MW-5				
	MW-6				
	MW-7				
	MW-8				
	MW-9				
	MW-10				
	MW-11				
	MW-12				
	MW-13				
	MW-14				
	MW-15				

BILL TO: OMPC	TempRec: ☐ 0.1°C	On Ice? ☒ Y ☐ N	REPORT TO: Dan Barton dbarton@otwellanalytical.com
RELEASED BY Andrew Puffpatt	DATE/TIME 3/31/25 3:48p	RECEIVED BY [Signature]	DATE/TIME 3/31/25 3:48
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			