

**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: 21-140

GTA ProjNo: 120524-3

Site Addr: LEG OFFICE OIL SPILL

Sampled By: A. PUFFPAFF/OMPC

Date Rec: 12/5/2024

Time Rec: 11:30 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	12/4/2024	12:40 PM	WATER
2	MW-5	12/4/2024	1:40 PM	WATER
3	MW-9	12/4/2024	11:50 AM	WATER
4	MW-10	12/4/2024	11:35 AM	WATER
5	MW-11	12/4/2024	12:25 PM	WATER
6	MW-12	12/4/2024	11:20 AM	WATER
7	MW-13	12/4/2024	12:05 PM	WATER
8	MW-14	12/4/2024	10:45 AM	WATER
9	MW-15	12/4/2024	10:55 AM	WATER
10	MW-4	12/4/2024	2:45 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
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 21-140
LOCATION: LEG OFFICE OIL SPILL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 120524-3
GTA SAMPLE NO: 1
DATE SAMPLED: 12/4/2024
TIME SAMPLED: 12:40 PM
DATE RECEIVED: 12/5/2024
TIME RECEIVED: 11:30 AM
SAMPLED BY: A. 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		12/5/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	65	3.0					
1,2,4-Trimethylbenzene	120	1.0					
1,3,5-Trimethylbenzene	38	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	14	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	GTA PROJECT NO:	120524-3
PROJECT NO:	21-140	GTA SAMPLE NO:	2
LOCATION:	LEG OFFICE OIL SPILL	DATE SAMPLED:	12/4/2024
		TIME SAMPLED:	1:40 PM
		DATE RECEIVED:	12/5/2024
	MI	TIME RECEIVED:	11:30 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-5	SAMPLED BY:	A. PUFFPAFF/OMPC

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>Complete</u>	<u>Prep Method</u>
Benzene	2,000	100	ug/L (PPB)	MR		12/5/2024	EPA 5030B
Toluene	7,500	100					
Ethylbenzene	810	100					
Xylene(Total)	4,500	300					
1,2,4-Trimethylbenzene	1,000	100					
1,3,5-Trimethylbenzene	250	5.0					
Naphthalene	31	5.0					
2-Methylnaphthalene	69	5.0					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	120524-3
PROJECT NO:	21-140	GTA SAMPLE NO:	3
LOCATION:	LEG OFFICE OIL SPILL	DATE SAMPLED:	12/4/2024
		TIME SAMPLED:	11:50 AM
		DATE RECEIVED:	12/5/2024
	MI	TIME RECEIVED:	11:30 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-9	SAMPLED BY:	A. PUFFPAFF/OMPC

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>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/5/2024	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: 21-140
LOCATION: LEG OFFICE OIL SPILL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-10

GTA PROJECT NO: 120524-3
GTA SAMPLE NO: 4
DATE SAMPLED: 12/4/2024
TIME SAMPLED: 11:35 AM
DATE RECEIVED: 12/5/2024
TIME RECEIVED: 11:30 AM
SAMPLED BY: A. 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		12/5/2024	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: 21-140
LOCATION: LEG OFFICE OIL SPILL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-11

GTA PROJECT NO: 120524-3
GTA SAMPLE NO: 5
DATE SAMPLED: 12/4/2024
TIME SAMPLED: 12:25 PM
DATE RECEIVED: 12/5/2024
TIME RECEIVED: 11:30 AM
SAMPLED BY: A. PUFFPAFF/OMPC

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>Complete</u>	<u>Prep Method</u>
Benzene	5.7	1.0	ug/L (PPB)	MR		12/5/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	5.1	3.0					
1,2,4-Trimethylbenzene	1.0	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:	120524-3
PROJECT NO:	21-140	GTA SAMPLE NO:	6
LOCATION:	LEG OFFICE OIL SPILL	DATE SAMPLED:	12/4/2024
		TIME SAMPLED:	11:20 AM
		DATE RECEIVED:	12/5/2024
	MI	TIME RECEIVED:	11:30 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-12	SAMPLED BY:	A. PUFFPAFF/OMPC

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>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/5/2024	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.

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 21-140
LOCATION: LEG OFFICE OIL SPILL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13

GTA PROJECT NO: 120524-3
GTA SAMPLE NO: 7
DATE SAMPLED: 12/4/2024
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 12/5/2024
TIME RECEIVED: 11:30 AM
SAMPLED BY: A. 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		12/5/2024	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	GTA PROJECT NO:	120524-3
PROJECT NO:	21-140	GTA SAMPLE NO:	8
LOCATION:	LEG OFFICE OIL SPILL	DATE SAMPLED:	12/4/2024
		TIME SAMPLED:	10:45 AM
		DATE RECEIVED:	12/5/2024
	MI	TIME RECEIVED:	11:30 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-14	SAMPLED BY:	A. PUFFPAFF/OMPC

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>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/5/2024	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: 21-140
LOCATION: LEG OFFICE OIL SPILL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-15

GTA PROJECT NO: 120524-3
GTA SAMPLE NO: 9
DATE SAMPLED: 12/4/2024
TIME SAMPLED: 10:55 AM
DATE RECEIVED: 12/5/2024
TIME RECEIVED: 11:30 AM
SAMPLED BY: A. 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		12/5/2024	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: 21-140
LOCATION: LEG OFFICE OIL SPILL
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4

GTA PROJECT NO: 120524-3
GTA SAMPLE NO: 10
DATE SAMPLED: 12/4/2024
TIME SAMPLED: 2:45 PM
DATE RECEIVED: 12/5/2024
TIME RECEIVED: 11:30 AM
SAMPLED BY: A. 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	110	5.0	ug/L (PPB)	MR		12/5/2024	EPA 5030B
Toluene	5,000	100					
Ethylbenzene	840	5.0					
Xylene(Total)	4,400	300					
1,2,4-Trimethylbenzene	850	5.0					
1,3,5-Trimethylbenzene	160	5.0					
Naphthalene	31	5.0					
2-Methylnaphthalene	52	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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CHAIN OF CUSTODY

PROJECT NUMBER 21-140	SITE NAME/ADDRESS LEG office oil spill	COMPANY/NAME OMPC
SAMPLED BY Andrew Puffert	COMPANY OMPC	GTA PROJECT # 120524-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-2	12/4/24	12:40	H ₂ O	HIPs
2	MW-5		13:40		
3	MW-9		11:50		
4	MW-10		11:35		
5	MW-11		12:25		
6	MW-12		11:20		
7	MW-13		12:05		
8	MW-14		10:45		
9	MW-15		10:55		
10	MW-4	↓	14:45	↓	↓

BILL TO: OMPC	TempRec: ☐ 0.6°C	On Ice? ☐ ☒ Y ☐ N	REPORT TO: Dan Barton dbarton@otwellmawley.com
RELEASED BY Andrew Puffert	DATE/TIME 12/5/24	RECEIVED BY [Signature]	DATE/TIME 12-5-24 11:30A
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			