



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:

Site Addr: BLUE LAKE 17

GTA ProjNo: 121521-5

Sampled By: NICK SUMMERLAND/LER
Date Rec: 12/15/2021
Time Rec: 1:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	9	12/13/2021	9:25 AM	SOIL
2	10	12/13/2021	10:12 AM	SOIL
3	11	12/13/2021	11:02 AM	SOIL
4	12	12/13/2021	11:58 AM	SOIL
5	13	12/13/2021	1:09 PM	SOIL
6	14	12/13/2021	1:28 PM	SOIL
7	15	12/13/2021	2:46 PM	SOIL
8	16	12/13/2021	4:10 PM	SOIL

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:	121521-5
PROJECT NO:		GTA SAMPLE NO:	1
LOCATION:	BLUE LAKE 17	DATE SAMPLED:	12/13/2021
		TIME SAMPLED:	9:25 AM
	MI	DATE RECEIVED:	12/15/2021
		TIME RECEIVED:	1:00 PM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	NICK SUMMERLAND/LER
SAMPLE ID:	9	**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.	

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	50	ug/Kg (PPB)	MR	12/13/2021	12/21/2021	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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:
LOCATION: BLUE LAKE 17
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: 10

GTA PROJECT NO: 121521-5
GTA SAMPLE NO: 2
DATE SAMPLED: 12/13/2021
TIME SAMPLED: 10:12 AM
DATE RECEIVED: 12/15/2021
TIME RECEIVED: 1:00 PM

SAMPLED BY: NICK SUMMERLAND/LER
**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	1,900	50	ug/Kg (PPB)	MR	12/13/2021	12/21/2021	EPA 5035A
Toluene	4,400	50					
Ethylbenzene	1,800	50					
Xylene(Total)	2,500	150					
1,2,4-Trimethylbenzene	720	50					
1,3,5-Trimethylbenzene	250	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO:

LOCATION: BLUE LAKE 17

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: 11

GTA PROJECT NO: 121521-5

GTA SAMPLE NO: 3

DATE SAMPLED: 12/13/2021

TIME SAMPLED: 11:02 AM

DATE RECEIVED: 12/15/2021

TIME RECEIVED: 1:00 PM

SAMPLED BY: NICK SUMMERLAND/LER

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	37,000	530	ug/Kg (PPB)	MR	12/13/2021	12/21/2021	EPA 5035A
Toluene	280,000	530					
Ethylbenzene	46,000	530					
Xylene(Total)	240,000	1,600					
1,2,4-Trimethylbenzene	110,000	530					
1,3,5-Trimethylbenzene	36,000	530					
Naphthalene	1,900	250					
2-Methylnaphthalene	4,500	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: BLUE LAKE 17
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: 12

GTA PROJECT NO: 121521-5
GTA SAMPLE NO: 4
DATE SAMPLED: 12/13/2021
TIME SAMPLED: 11:58 AM
DATE RECEIVED: 12/15/2021
TIME RECEIVED: 1:00 PM

SAMPLED BY: NICK SUMMERLAND/LER
**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	46,000	580	ug/Kg (PPB)	MR	12/13/2021	12/21/2021	EPA 5035A
Toluene	250,000	580					
Ethylbenzene	42,000	580					
Xylene(Total)	230,000	1,700					
1,2,4-Trimethylbenzene	99,000	580					
1,3,5-Trimethylbenzene	34,000	580					
Naphthalene	1,700	250					
2-Methylnaphthalene	3,300	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: BLUE LAKE 17
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: 13

GTA PROJECT NO: 121521-5
GTA SAMPLE NO: 5
DATE SAMPLED: 12/13/2021
TIME SAMPLED: 1:09 PM
DATE RECEIVED: 12/15/2021
TIME RECEIVED: 1:00 PM

SAMPLED BY: NICK SUMMERLAND/LER
**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	110	50	ug/Kg (PPB)	MR	12/13/2021	12/21/2021	EPA 5035A
Toluene	410	50					
Ethylbenzene	58	50					
Xylene(Total)	310	150					
1,2,4-Trimethylbenzene	130	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: BLUE LAKE 17
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: 14

GTA PROJECT NO: 121521-5
GTA SAMPLE NO: 6
DATE SAMPLED: 12/13/2021
TIME SAMPLED: 1:28 PM
DATE RECEIVED: 12/15/2021
TIME RECEIVED: 1:00 PM

SAMPLED BY: NICK SUMMERLAND/LER
**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	1,600	50	ug/Kg (PPB)	MR	12/13/2021	12/21/2021	EPA 5035A
Toluene	34,000	140					
Ethylbenzene	11,000	140					
Xylene(Total)	68,000	420					
1,2,4-Trimethylbenzene	46,000	140					
1,3,5-Trimethylbenzene	16,000	140					
Naphthalene	740	250					
2-Methylnaphthalene	1,700	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: BLUE LAKE 17
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: 16

GTA PROJECT NO: 121521-5
GTA SAMPLE NO: 8
DATE SAMPLED: 12/13/2021
TIME SAMPLED: 4:10 PM
DATE RECEIVED: 12/15/2021
TIME RECEIVED: 1:00 PM

SAMPLED BY: NICK SUMMERLAND/LER
**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	550	50	ug/Kg (PPB)	MR	12/13/2021	12/21/2021	EPA 5035A
Toluene	13,000	140					
Ethylbenzene	5,100	140					
Xylene(Total)	32,000	420					
1,2,4-Trimethylbenzene	19,000	140					
1,3,5-Trimethylbenzene	6,600	140					
Naphthalene	300	250					
2-Methylnaphthalene	750	250					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

NAME:
PROJECT NO:

LOCATION: BLUE LAKE 17

MI

GTA PROJECT NO: 121521-
SAMPLED BY: NICK SUMMERLAND/LER

DATE SAMPLED: 12/13/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/15/2021
TIME RECEIVED: 1:00 PM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: 9 % MOISTURE EPA 3550C	5.0	0.050	% OF SAMPLE	AS	12/15/2021
SAMPLE ID: 10 % MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	12/15/2021
SAMPLE ID: 11 % MOISTURE EPA 3550C	4.0	0.050	% OF SAMPLE	AS	12/15/2021
SAMPLE ID: 12 % MOISTURE EPA 3550C	6.7	0.050	% OF SAMPLE	AS	12/15/2021
SAMPLE ID: 13 % MOISTURE EPA 3550C	6.7	0.050	% OF SAMPLE	AS	12/15/2021
SAMPLE ID: 14 % MOISTURE EPA 3550C	5.3	0.050	% OF SAMPLE	AS	12/15/2021
SAMPLE ID: 15 % MOISTURE EPA 3550C	8.8	0.050	% OF SAMPLE	AS	12/15/2021
SAMPLE ID: 16 % MOISTURE EPA 3550C	5.9	0.050	% OF SAMPLE	AS	12/15/2021

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Blue Lake 17	Lambda Energy
SAMPLED BY	COMPANY	GTA PROJECT #
N Summerland	Lambda	121521-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	9	12-13-21	9:25 AM	Soil	BTEX +4
2	10	↓	10:12 AM	↓	↓
3	11		11:02 AM		
4	12		11:58 AM		
5	13		1:09 PM		
6	14		1:28 PM		
7	15		2:46 PM		
8	16		4:10 PM		

BILL TO: Lambda Energy	REPORT TO: N Summerland
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RELEASED BY [Signature]	DATE/TIME 12/15/21 12:00 PM	RECEIVED BY [Signature]	DATE/TIME 12/15/21 1:00 PM rec 2.0°C On rec
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS