



**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: 2018100141.03  
GTA ProjNo: 061720-19

Site Addr: MULDAVIN 2-13

Sampled By: PETER KALLIOINEN/GCES  
Date Rec: 6/17/2020  
Time Rec: 4:50 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SB-2020-1 (14.5')	6/17/2020	9:39 AM	SOIL
2	SB-2020-1 (22')	6/17/2020	9:46 AM	SOIL
3	SB-2020-1 (30')	6/17/2020	9:53 AM	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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830 Robinwood Court  
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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	061720-19
PROJECT NO:	2018100141.03	GTA SAMPLE NO:	1
LOCATION:	MULDAVIN 2-13	DATE SAMPLED:	6/17/2020
		TIME SAMPLED:	9:39 AM
		DATE RECEIVED:	6/17/2020
	MI	TIME RECEIVED:	4:50 PM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	PETER KALLIOINEN/GCES
SAMPLE ID:	SB-2020-1 (14.5')	**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	6/17/2020	6/18/2020	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



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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	061720-19
PROJECT NO:	2018100141.03	GTA SAMPLE NO:	2
LOCATION:	MULDAVIN 2-13	DATE SAMPLED:	6/17/2020
		TIME SAMPLED:	9:46 AM
		DATE RECEIVED:	6/17/2020
	MI	TIME RECEIVED:	4:50 PM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	PETER KALLIOINEN/GCES
SAMPLE ID:	SB-2020-1 (22')	**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	6/17/2020	6/18/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	190	150					
1,2,4-Trimethylbenzene	1,400	50					
1,3,5-Trimethylbenzene	12,000	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100141.03  
 LOCATION: MULDAVIN 2-13

MI

SAMPLE MATRIX: SOIL  
 SAMPLE ID: SB-2020-1 (30')

GTA PROJECT NO: 061720-19  
 GTA SAMPLE NO: 3

DATE SAMPLED: 6/17/2020  
 TIME SAMPLED: 9:53 AM  
 DATE RECEIVED: 6/17/2020  
 TIME RECEIVED: 4:50 PM

SAMPLED BY: PETER KALLIOINEN/GCES

\*\*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	6/17/2020	6/18/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	880	150					
1,2,4-Trimethylbenzene	35,000	50					
1,3,5-Trimethylbenzene	20,000	50					
Naphthalene	850	250					
2-Methylnaphthalene	3,300	250					

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

NAME:  
PROJECT NO: 2018100141.03

LOCATION: MULDAVIN 2-13  
  
MI

GTA PROJECT NO: 061720-  
SAMPLED BY: PETER KALLIOINEN/GCES

DATE SAMPLED: 6/17/2020  
TIME SAMPLED: 9:39 AM  
SAMPLE MATRIX: SOIL

DATE RECEIVED: 6/17/2020  
TIME RECEIVED: 4:50 PM

**MOISTURE**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
	SAMPLE ID: SB-2020-1 (14.5') % MOISTURE EPA 3550C	6.0	0.050	% OF SAMPLE	AS	6/17/2020
	SAMPLE ID: SB-2020-1 (22') % MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	6/17/2020
	SAMPLE ID: SB-2020-1 (30') % MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	6/17/2020

