



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: PARADISE 19

GTA ProjNo: 040623-4

Sampled By: N. SUMMERLAND/LER
Date Rec: 4/5/2023
Time Rec: 10:33 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	GS-16 (17')	4/4/2023	3:52 PM	SOIL
2	SW-W	4/4/2023	4:13 PM	SOIL
3	SW-S	4/4/2023	4:19 PM	SOIL
4	SW-N	4/4/2023	4:42 PM	SOIL
5	SW-E	4/4/2023	4:53 PM	SOIL
6	FL-1-19'	4/5/2023	1:14 PM	SOIL
7	HA-1-20'	4/5/2023	1:25 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
Grand Traverse Analytical
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO:
 LOCATION: PARADISE 19
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: GS-16 (17')

GTA PROJECT NO: 040623-4
 GTA SAMPLE NO: 1
 DATE SAMPLED: 4/4/2023
 TIME SAMPLED: 3:52 PM
 DATE RECEIVED: 4/5/2023
 TIME RECEIVED: 10:33 AM

SAMPLED BY: N. 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	160	50	ug/Kg (PPB)	MR	4/4/2023	4/7/2023	EPA 5035A
Toluene	110	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: PARADISE 19
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-W

GTA PROJECT NO: 040623-4
 GTA SAMPLE NO: 2
 DATE SAMPLED: 4/4/2023
 TIME SAMPLED: 4:13 PM
 DATE RECEIVED: 4/5/2023
 TIME RECEIVED: 10:33 AM

SAMPLED BY: N. SUMMERLAND/LER
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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	350	50	ug/Kg (PPB)	MR	4/4/2023	4/7/2023	EPA 5035A
Toluene	280	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					

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 LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: PARADISE 19
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-S

GTA PROJECT NO: 040623-4
GTA SAMPLE NO: 3
DATE SAMPLED: 4/4/2023
TIME SAMPLED: 4:19 PM
DATE RECEIVED: 4/5/2023
TIME RECEIVED: 10:33 AM

SAMPLED BY: N. 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	ND	50	ug/Kg (PPB)	MR	4/4/2023	4/7/2023	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					

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO:
 LOCATION: PARADISE 19
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-E

GTA PROJECT NO: 040623-4
 GTA SAMPLE NO: 5
 DATE SAMPLED: 4/4/2023
 TIME SAMPLED: 4:53 PM
 DATE RECEIVED: 4/5/2023
 TIME RECEIVED: 10:33 AM

SAMPLED BY: N. 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	4/4/2023	4/7/2023	EPA 5035A
Toluene	75	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO:
 LOCATION: PARADISE 19
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: FL-1-19'

GTA PROJECT NO: 040623-4
 GTA SAMPLE NO: 6
 DATE SAMPLED: 4/5/2023
 TIME SAMPLED: 1:14 PM
 DATE RECEIVED: 4/5/2023
 TIME RECEIVED: 10:33 AM

SAMPLED BY: N. 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	ND	50	ug/Kg (PPB)	MR	4/5/2023	4/7/2023	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.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO:
 LOCATION: PARADISE 19
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: HA-1-20'

GTA PROJECT NO: 040623-4
 GTA SAMPLE NO: 7
 DATE SAMPLED: 4/5/2023
 TIME SAMPLED: 1:25 PM
 DATE RECEIVED: 4/5/2023
 TIME RECEIVED: 10:33 AM

SAMPLED BY: N. SUMMERLAND/LER
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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	4/5/2023	4/7/2023	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

NAME:
PROJECT NO:

GTA PROJECT NO: 040623-
SAMPLED BY: N. SUMMERLAND/LER

DATE SAMPLED: 4/4/2023

LOCATION: PARADISE 19

SAMPLE MATRIX: SOIL

DATE RECEIVED: 4/5/2023
TIME RECEIVED: 10:33 AM

MI

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: GS-16 (17') % MOISTURE EPA 3550C	5.1	0.10	% OF SAMPLE	AS	4/6/2023
SAMPLE ID: SW-W % MOISTURE EPA 3550C	5.6	0.10	% OF SAMPLE	AS	4/6/2023
SAMPLE ID: SW-S % MOISTURE EPA 3550C	4.6	0.10	% OF SAMPLE	AS	4/6/2023
SAMPLE ID: SW-N % MOISTURE EPA 3550C	5.7	0.10	% OF SAMPLE	AS	4/6/2023
SAMPLE ID: SW-E % MOISTURE EPA 3550C	4.6	0.10	% OF SAMPLE	AS	4/6/2023
SAMPLE ID: FL-1-19' % MOISTURE EPA 3550C	6.2	0.10	% OF SAMPLE	AS	4/6/2023
SAMPLE ID: HA-1-20' % MOISTURE EPA 3550C	7.8	0.10	% OF SAMPLE	AS	4/6/2023

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS <i>Paradise 19</i>	COMPANY/NAME <i>Lambda Energy</i>
SAMPLED BY <i>N Summerland</i>	COMPANY <i>Lambda</i>	GTA PROJECT # <i>040623-4</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>GS-16 (17')</i>	<i>4-4-23</i>	<i>3:52P</i>	<i>Soil</i>	<i>BTEX + Chloride</i>
2	<i>SW-W</i>	↓	<i>4:13P</i>	↓	↓
3	<i>SW-S</i>		<i>4:19</i>		
4	<i>SW-N</i>		<i>4:42</i>		
5	<i>SW-E</i>		<i>4:53</i>		
6	<i>PL-1-19'</i>		<i>4-5-23</i>		
7	<i>HA-1-20'</i>	<i>4-5-23</i>	<i>1:25PM</i>		

BILL TO: <i>Lambda</i>	TempRec: <input type="checkbox"/> <i>2.3°C</i>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: <i>N Summerland</i>
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RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>Mich Summerland</i>	<i>4-5-2023 3:35PM</i>	<i>K. Mc</i>	<i>4/5/23 3:35PM</i>
<i>K. Mc</i>	<i>4/5/23 10:33</i>	<i>K. Mc</i>	<i>4/5/23 10:33</i>

REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS