



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: 23-055
GTA ProjNo: 041723-1

Site Addr: KALKASKA MI
Sampled By: JP/OMPC
Date Rec: 4/17/2023
Time Rec: 9:10 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SS-1	4/14/2023	4:20 PM	SOIL
2	SS-2	4/14/2023	4:23 PM	SOIL
3	SS-3	4/14/2023	4:25 PM	SOIL
4	SS-4	4/14/2023	4:27 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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830 Robinwood Court
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kirk@gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 23-055
 LOCATION: KALKASKA MI
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SS-2

GTA PROJECT NO: 041723-1
 GTA SAMPLE NO: 2
 DATE SAMPLED: 4/14/2023
 TIME SAMPLED: 4:23 PM
 DATE RECEIVED: 4/17/2023
 TIME RECEIVED: 9:10 AM

SAMPLED BY: JP/OMPC
 **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	4/14/2023	4/17/2023	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 23-055
 LOCATION: KALKASKA MI
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SS-3

GTA PROJECT NO: 041723-1
 GTA SAMPLE NO: 3
 DATE SAMPLED: 4/14/2023
 TIME SAMPLED: 4:25 PM
 DATE RECEIVED: 4/17/2023
 TIME RECEIVED: 9:10 AM

SAMPLED BY: JP/OMPC
 **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	4/14/2023	4/17/2023	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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 LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 23-055
LOCATION: KALKASKA MI
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-4

GTA PROJECT NO: 041723-1
GTA SAMPLE NO: 4
DATE SAMPLED: 4/14/2023
TIME SAMPLED: 4:27 PM
DATE RECEIVED: 4/17/2023
TIME RECEIVED: 9:10 AM

SAMPLED BY: JP/OMPC
**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	4/14/2023	4/17/2023	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 23-055
 LOCATION: KALKASKA MI

GTA PROJECT NO: 041723-1
 GTA SAMPLE NO: 1
 DATE SAMPLED: 4/14/2023
 TIME SAMPLED: 4:20 PM
 DATE RECEIVED: 4/17/2023
 TIME RECEIVED: 9:10 AM

MI
 SAMPLED BY: JP/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
SAMPLE ID: SS-1	CHLORIDE EPA 300.0	ND	110	mg/Kg (PPM)	KC/TR	4/17/2023	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 23-055
 LOCATION: KALKASKA MI

GTA PROJECT NO: 041723-1
 GTA SAMPLE NO: 2
 DATE SAMPLED: 4/14/2023
 TIME SAMPLED: 4:23 PM
 DATE RECEIVED: 4/17/2023
 TIME RECEIVED: 9:10 AM

SAMPLED BY: MI
 JP/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
SAMPLE ID: SS-2	CHLORIDE EPA 300.0	ND	110	mg/Kg (PPM)	KC/TR	4/17/2023	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 23-055
 LOCATION: KALKASKA MI

GTA PROJECT NO: 041723-1
 GTA SAMPLE NO: 3
 DATE SAMPLED: 4/14/2023
 TIME SAMPLED: 4:25 PM
 DATE RECEIVED: 4/17/2023
 TIME RECEIVED: 9:10 AM

MI
 SAMPLED BY: JP/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
SAMPLE ID: SS-3	CHLORIDE EPA 300.0	ND	120	mg/Kg (PPM)	KC/TR	4/17/2023	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 23-055
 LOCATION: KALKASKA MI

GTA PROJECT NO: 041723-1
 GTA SAMPLE NO: 4
 DATE SAMPLED: 4/14/2023
 TIME SAMPLED: 4:27 PM
 DATE RECEIVED: 4/17/2023
 TIME RECEIVED: 9:10 AM

MI
 SAMPLED BY: JP/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
SAMPLE ID: SS-4	CHLORIDE EPA 300.0	ND	120	mg/Kg (PPM)	KC/TR	4/17/2023	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C



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COMPANY: LAMBDA ENERGY RESOURCES, LLC

NAME:
PROJECT NO: 23-055

LOCATION: KALKASKA MI

MI

GTA PROJECT NO: 041723-
SAMPLED BY: JP/OMPC

DATE SAMPLED: 4/14/2023

SAMPLE MATRIX: SOIL

DATE RECEIVED: 4/17/2023
TIME RECEIVED: 9:10 AM

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: SS-1	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	TR	4/17/2023
SAMPLE ID: SS-2	% MOISTURE EPA 3550C	14	0.10	% OF SAMPLE	TR	4/17/2023
SAMPLE ID: SS-3	% MOISTURE EPA 3550C	21	0.10	% OF SAMPLE	TR	4/17/2023
SAMPLE ID: SS-4	% MOISTURE EPA 3550C	20	0.10	% OF SAMPLE	TR	4/17/2023

