



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 TANK BATTERY

GTA ProjNo: 051023-10

Sampled By: N. SUMMERLAND/LER
Date Rec: 5/10/2023
Time Rec: 2:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	FL-1	5/10/2023	10:48 AM	SOIL
2	SW-E-18'	5/10/2023	11:07 AM	SOIL
3	SW-E-8'	5/10/2023	11:14 AM	SOIL
4	SW-S-8'	5/10/2023	11:28 AM	SOIL
5	SW-S-15'	5/10/2023	11:43 AM	SOIL
6	FL-2	5/10/2023	12:01 PM	SOIL
7	SW-N-15'	5/10/2023	12:15 PM	SOIL
8	SW-W-13'	5/10/2023	12:20 PM	SOIL
9	SW-NW-18'	5/10/2023	12:26 PM	SOIL
10	HA-1-22'	5/10/2023	12:55 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
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com



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
 PROJECT NO:
 LOCATION: BLUE LAKE 17 TANK BATTERY
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: FL-1

GTA PROJECT NO: 051023-10
 GTA SAMPLE NO: 1
 DATE SAMPLED: 5/10/2023
 TIME SAMPLED: 10:48 AM
 DATE RECEIVED: 5/10/2023
 TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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



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	GTA PROJECT NO:	051023-10
PROJECT NO:		GTA SAMPLE NO:	2
LOCATION:	BLUE LAKE 17 TANK BATTERY	DATE SAMPLED:	5/10/2023
		TIME SAMPLED:	11:07 AM
	MI	DATE RECEIVED:	5/10/2023
		TIME RECEIVED:	2:40 PM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	N. SUMMERLAND/LER
SAMPLE ID:	SW-E-18'	**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	5/10/2023	5/15/2023	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:
 LOCATION: BLUE LAKE 17 TANK BATTERY
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-E-8'

GTA PROJECT NO: 051023-10
 GTA SAMPLE NO: 3
 DATE SAMPLED: 5/10/2023
 TIME SAMPLED: 11:14 AM
 DATE RECEIVED: 5/10/2023
 TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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:
 LOCATION: BLUE LAKE 17 TANK BATTERY
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-S-8'

GTA PROJECT NO: 051023-10
 GTA SAMPLE NO: 4
 DATE SAMPLED: 5/10/2023
 TIME SAMPLED: 11:28 AM
 DATE RECEIVED: 5/10/2023
 TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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:
 LOCATION: BLUE LAKE 17 TANK BATTERY
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-S-15'

GTA PROJECT NO: 051023-10
 GTA SAMPLE NO: 5
 DATE SAMPLED: 5/10/2023
 TIME SAMPLED: 11:43 AM
 DATE RECEIVED: 5/10/2023
 TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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:
 LOCATION: BLUE LAKE 17 TANK BATTERY
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: FL-2

GTA PROJECT NO: 051023-10
 GTA SAMPLE NO: 6
 DATE SAMPLED: 5/10/2023
 TIME SAMPLED: 12:01 PM
 DATE RECEIVED: 5/10/2023
 TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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:
LOCATION: BLUE LAKE 17 TANK BATTERY
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-N-15'

GTA PROJECT NO: 051023-10
GTA SAMPLE NO: 7
DATE SAMPLED: 5/10/2023
TIME SAMPLED: 12:15 PM
DATE RECEIVED: 5/10/2023
TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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:
LOCATION: BLUE LAKE 17 TANK BATTERY
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-W-13'

GTA PROJECT NO: 051023-10
GTA SAMPLE NO: 8
DATE SAMPLED: 5/10/2023
TIME SAMPLED: 12:20 PM
DATE RECEIVED: 5/10/2023
TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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:
 LOCATION: BLUE LAKE 17 TANK BATTERY
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-NW-18'

GTA PROJECT NO: 051023-10
 GTA SAMPLE NO: 9
 DATE SAMPLED: 5/10/2023
 TIME SAMPLED: 12:26 PM
 DATE RECEIVED: 5/10/2023
 TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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:
LOCATION: BLUE LAKE 17 TANK BATTERY
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: HA-1-22'

GTA PROJECT NO: 051023-10
GTA SAMPLE NO: 10
DATE SAMPLED: 5/10/2023
TIME SAMPLED: 12:55 PM
DATE RECEIVED: 5/10/2023
TIME RECEIVED: 2:40 PM

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	5/10/2023	5/15/2023	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



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:
PROJECT NO:

GTA PROJECT NO: 051023-
SAMPLED BY: N. SUMMERLAND/LER

DATE SAMPLED: 5/10/2023

LOCATION: BLUE LAKE 17 TANK BATTERY

SAMPLE MATRIX: SOIL

DATE RECEIVED: 5/10/2023
TIME RECEIVED: 2:40 PM

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: FL-1 % MOISTURE EPA 3550C	6.0	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: SW-E-18' % MOISTURE EPA 3550C	6.5	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: SW-E-8' % MOISTURE EPA 3550C	10	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: SW-S-8' % MOISTURE EPA 3550C	5.2	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: SW-S-15' % MOISTURE EPA 3550C	7.0	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: FL-2 % MOISTURE EPA 3550C	5.0	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: SW-N-15' % MOISTURE EPA 3550C	4.2	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: SW-W-13' % MOISTURE EPA 3550C	9.1	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: SW-NW-18' % MOISTURE EPA 3550C	8.5	0.10	% OF SAMPLE	AS	5/10/2023
SAMPLE ID: HA-1-22' % MOISTURE EPA 3550C	4.6	0.10	% OF SAMPLE	AS	5/10/2023

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Blue Lake 17 Tank Battery	Lambda Energy
SAMPLED BY	COMPANY	GTA PROJECT #
N Summerland	Lambda Energy	051023-10

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	FL-1	5-10-23	10:48A	Soil	BTEX +4 / Chloride
2	SW-E-18'	↓	11:07A	↓	↓
3	SW-E-8'		11:14A		
4	SW-S-8'		11:28A		
5	SW-S-15'		11:43A		
6	FL-2		12:01P		
7	SW-N-15'		12:15P		
8	SW-W-13'		12:20P		
9	SW-NW-18'		12:26P		
10	HA-1-22'		12:55P		

BILL TO:	TempRec: <input type="checkbox"/>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO:
Lambda	1.8°C		N Summerland

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Nick Summerland	5-10-23 2:40PM	K. Ch	5/10/23 2:40p

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