

**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: SYLVANIA SAVINGS 2-30

GTA ProjNo: 070122-6

Sampled By: NICK SUMMERLAND/LER
Date Rec: 7/1/2022
Time Rec: 8:10 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	FL-1	6/30/2022	2:30 PM	SOIL
2	FL-2	6/30/2022	2:40 PM	SOIL
3	SW-1	6/30/2022	2:43 PM	SOIL
4	SW-2	6/30/2022	2:53 PM	SOIL
5	SW-3	6/30/2022	3:05 PM	SOIL
6	SW-4	6/30/2022	3:10 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
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: SYLVANIA SAVINGS 2-30
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: FL-1

GTA PROJECT NO: 070122-6
GTA SAMPLE NO: 1
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 2:30 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
SAMPLED BY: NICK SUMMERLAND/LER

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	6/30/2022	7/5/2022	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	130	50					
1,3,5-Trimethylbenzene	50	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
PROJECT NO:
LOCATION: SYLVANIA SAVINGS 2-30
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: FL-2

GTA PROJECT NO: 070122-6
GTA SAMPLE NO: 2
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 2:40 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
SAMPLED BY: NICK SUMMERLAND/LER

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>Completed</u>	<u>Prep Method</u>
Benzene	91	50	ug/Kg (PPB)	MR	6/30/2022	7/5/2022	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	430	150					
1,2,4-Trimethylbenzene	160	50					
1,3,5-Trimethylbenzene	110	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
PROJECT NO:
LOCATION: SYLVANIA SAVINGS 2-30
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-1

GTA PROJECT NO: 070122-6
GTA SAMPLE NO: 3
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 2:43 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
SAMPLED BY: NICK SUMMERLAND/LER

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	6/30/2022	7/5/2022	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
PROJECT NO:
LOCATION: SYLVANIA SAVINGS 2-30
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-2

GTA PROJECT NO: 070122-6
GTA SAMPLE NO: 4
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 2:53 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
SAMPLED BY: NICK SUMMERLAND/LER

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	6/30/2022	7/5/2022	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
PROJECT NO:
LOCATION: SYLVANIA SAVINGS 2-30
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-3

GTA PROJECT NO: 070122-6
GTA SAMPLE NO: 5
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 3:05 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
SAMPLED BY: NICK SUMMERLAND/LER

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	6/30/2022	7/5/2022	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	150	150					
1,2,4-Trimethylbenzene	160	50					
1,3,5-Trimethylbenzene	51	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
PROJECT NO:
LOCATION: SYLVANIA SAVINGS 2-30
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-4

GTA PROJECT NO: 070122-6
GTA SAMPLE NO: 6
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 3:10 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
SAMPLED BY: NICK SUMMERLAND/LER

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	6/30/2022	7/5/2022	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
PROJECT NO: GTA PROJECT NO: 070122-6
LOCATION: SYLVANIA SAVINGS 2-30
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 2:30 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
MI
SAMPLED BY: NICK SUMMERLAND/LER

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: FL-1							
CHLORIDE EPA 300.0		ND	100	mg/Kg (PPM)	KC/AS	7/6/2022	SOIL

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

**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: GTA PROJECT NO: 070122-6
LOCATION: SYLVANIA SAVINGS 2-30
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 2:40 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
MI
SAMPLED BY: NICK SUMMERLAND/LER

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: FL-2							
CHLORIDE EPA 300.0		240	110	mg/Kg (PPM)	KC/AS	7/6/2022	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:
LOCATION: SYLVANIA SAVINGS 2-30
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 070122-6
GTA SAMPLE NO: 3
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 2:43 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM

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: SW-1 CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	KC/AS	7/6/2022	SOIL

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

**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: 070122-6

PROJECT NO:

GTA SAMPLE NO: 4

LOCATION: SYLVANIA SAVINGS 2-30

DATE SAMPLED: 6/30/2022

TIME SAMPLED: 2:53 PM

DATE RECEIVED: 7/1/2022

TIME RECEIVED: 8:10 AM

MI

SAMPLED BY: NICK SUMMERLAND/LER

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: SW-2

CHLORIDE EPA 300.0

Concentration

ND

LOD

97

Units

mg/Kg (PPM)

Analyst

KC/AS

Date Completed

7/6/2022

Sample Matrix

SOIL

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

**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: GTA PROJECT NO: 070122-6
LOCATION: SYLVANIA SAVINGS 2-30
DATE SAMPLED: 6/30/2022
TIME SAMPLED: 3:05 PM
DATE RECEIVED: 7/1/2022
TIME RECEIVED: 8:10 AM
MI
SAMPLED BY: NICK SUMMERLAND/LER

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: SW-3							
CHLORIDE EPA 300.0		ND	100	mg/Kg (PPM)	KC/AS	7/6/2022	SOIL

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 070122-6

PROJECT NO:

GTA SAMPLE NO: 6

LOCATION: SYLVANIA SAVINGS 2-30

DATE SAMPLED: 6/30/2022

TIME SAMPLED: 3:10 PM

DATE RECEIVED: 7/1/2022

TIME RECEIVED: 8:10 AM

MI

SAMPLED BY: NICK SUMMERLAND/LER

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: SW-4						
	CHLORIDE EPA 300.0	1,000	110	mg/Kg (PPM)	KC/AS	7/6/2022	SOIL

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

**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: 070122-6

NAME:

SAMPLED BY: NICK SUMMERLAND/LER

PROJECT NO:

DATE SAMPLED: 6/30/2022

LOCATION: SYLVANIA SAVINGS 2-30

SAMPLE SOIL

DATE RECEIVED: 7/1/2022

TIME RECEIVED: 8:10 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: FL-1	% MOISTURE EPA 3550C	9.8	0.050	% OF SAMPLE	AS	7/1/2022
SAMPLE ID: FL-2	% MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	7/1/2022
SAMPLE ID: SW-1	% MOISTURE EPA 3550C	5.3	0.050	% OF SAMPLE	AS	7/1/2022
SAMPLE ID: SW-2	% MOISTURE EPA 3550C	2.6	0.050	% OF SAMPLE	AS	7/1/2022
SAMPLE ID: SW-3	% MOISTURE EPA 3550C	9.6	0.050	% OF SAMPLE	AS	7/1/2022
SAMPLE ID: SW-4	% MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	7/1/2022

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Sylvania Sawlogs 2-30	Lambda Energy
SAMPLED BY	COMPANY	GTA PROJECT #
N Summerland	Lambda	070122-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	FL-1	6-30-22	2:30	Soil	BTEX + 4 Chloride
2	FL-2	↓	2:40	↓	↓
3	SW-1	↓	2:43	↓	↓
4	SW-2	↓	2:53	↓	↓
5	SW-3	↓	3:05	↓	↓
6	SW-4	↓	3:10	↓	↓

BILL TO:

Lambda

REC ON ICE
3.8°C

REPORT TO:

N Summerland

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

N Summerland 7-1-22 6:00 AM
N Summerland 7/1/22 8:04 AM

N Summerland 7/1/22 7:25 AM
N Summerland 7-1-22 8:10 AM

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