



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: NORWICH TEST 3

GTA ProjNo: 112520-11

Sampled By: NICK SUMMERLAND/LER
Date Rec: 11/25/2020
Time Rec: 2:31 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	FL-1-10.5'	11/25/2020	10:52 AM	SOIL
2	HA-1-13.5'	11/25/2020	11:10 AM	SOIL
3	SW-N-4.5'	11/25/2020	11:25 AM	SOIL
4	SW-W-5'	11/25/2020	11:40 AM	SOIL
5	SW-E-4.5'	11/25/2020	11:50 AM	SOIL
6	SW-S-5'	11/25/2020	12:00 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
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: NORWICH TEST 3
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: FL-1-10.5'
GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 1
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 10:52 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM
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>Complete</u>	<u>Prep Method</u>
Benzene	150	50	ug/Kg (PPB)	MR	11/25/2020	11/30/2020	EPA 5035A
Toluene	99	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
PROJECT NO:
LOCATION: NORWICH TEST 3
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: HA-1-13.5'
GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 2
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 11:10 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM
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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/25/2020	11/30/2020	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: NORWICH TEST 3
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-N-4.5'
GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 3
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 11:25 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM
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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/25/2020	11/30/2020	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: NORWICH TEST 3
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-W-5'
GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 4
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 11:40 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM
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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/25/2020	11/30/2020	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

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	112520-11
PROJECT NO:		GTA SAMPLE NO:	5
LOCATION:	NORWICH TEST 3	DATE SAMPLED:	11/25/2020
		TIME SAMPLED:	11:50 AM
	MI	DATE RECEIVED:	11/25/2020
		TIME RECEIVED:	2:31 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	SW-E-4.5'	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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/25/2020	11/30/2020	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO:
LOCATION: NORWICH TEST 3
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SW-S-5'
GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 6
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM
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>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	11/25/2020	11/30/2020	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
PROJECT NO:
LOCATION: NORWICH TEST 3
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 1
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 10:52 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM

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</u>
	SAMPLE ID: FL-1-10.5'						
	CHLORIDE EPA 300.0	1,300	100	mg/Kg (PPM)	LV	11/30/2020	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: NORWICH TEST 3
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 2
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 11:10 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM

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</u>
	SAMPLE ID: HA-1-13.5' CHLORIDE EPA 300.0	3,700	100	mg/Kg (PPM)	LV	11/30/2020	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: NORWICH TEST 3
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 3
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 11:25 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM

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</u>
	SAMPLE ID: SW-N-4.5' CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/30/2020	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: NORWICH TEST 3
MI
SAMPLED BY: NICK SUMMERLAND/LER
GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 4
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 11:40 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM

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</u>
	SAMPLE ID: SW-W-5'						
	CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/30/2020	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: NORWICH TEST 3
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 5
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 11:50 AM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM

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</u>
	SAMPLE ID: SW-E-4.5' CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/30/2020	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: NORWICH TEST 3
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 112520-11
GTA SAMPLE NO: 6
DATE SAMPLED: 11/25/2020
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 11/25/2020
TIME RECEIVED: 2:31 PM

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</u>
	SAMPLE ID: SW-S-5' CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/30/2020	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

GTA PROJECT NO: 112520-

NAME:

SAMPLED BY: NICK SUMMERLAND/LER

PROJECT NO:

DATE SAMPLED: 11/25/2020

TIME SAMPLED: 10:52 AM

LOCATION: NORWICH TEST 3

SAMPLE MATRIX: SOIL

DATE RECEIVED: 11/25/2020

TIME RECEIVED: 2:31 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-1-10.5'	% MOISTURE EPA 3550C	2.9	0.050	OF SAMPLE	AS	11/25/2020
SAMPLE ID: HA-1-13.5'	% MOISTURE EPA 3550C	4.5	0.050	OF SAMPLE	AS	11/25/2020
SAMPLE ID: SW-N-4.5'	% MOISTURE EPA 3550C	5.4	0.050	OF SAMPLE	AS	11/25/2020
SAMPLE ID: SW-W-5'	% MOISTURE EPA 3550C	4.3	0.050	OF SAMPLE	AS	11/25/2020
SAMPLE ID: SW-E-4.5'	% MOISTURE EPA 3550C	5.4	0.050	OF SAMPLE	AS	11/25/2020
SAMPLE ID: SW-S-5'	% MOISTURE EPA 3550C	5.3	0.050	OF SAMPLE	AS	11/25/2020

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Norwich Test 3	Lambda Energy
SAMPLED BY	COMPANY	GTA PROJECT #
Nick Summerlad	Lambda Energy	112520-11

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	FL-1-10.5'	11-25-20	10:52AM	Soil	BTEX+4 & Chloride
2	HA-1-13.5'	↓	11:10AM	↓	↓
3	SW-N-4.5'		11:25AM	↓	↓
4	SW-W-5'		11:40A	↓	↓
5	SW-E-4.5'		11:50A	↓	↓
6	SW-S-5'		12:02P	↓	↓

BILL TO:

Lambda Energy

REPORT TO:

Nick Summerlad

RELEASED BY

DATE/TIME

Nick Summerlad

11-25-20

2:31 PM

RECEIVED BY

DATE/TIME

AS

11/25/20 2:31

REC 4.0°C

once

REQUESTED TAT

☒

STANDARD

☐

1 BUSINESS DAY

☐

2 BUSINESS DAYS

☐

3 BUSINESS DAYS