

**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: SPRINGDALE 28 TANKS

GTA ProjNo: 110620-18

Sampled By: NICK SUMMERLAND/LER
Date Rec: 11/6/2020
Time Rec: 4:35 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	FL-1-1'	11/6/2020	2:00 PM	SOIL
2	FL-2-36"	11/6/2020	2:20 PM	SOIL
3	SW-N-16"	11/6/2020	2:32 PM	SOIL
4	SW-S-16"	11/6/2020	2:35 PM	SOIL
5	SW-W-6"	11/6/2020	2:50 PM	SOIL
6	SW-E-16"	11/6/2020	3:00 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
Ph: 231-929-0905
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kirk@gtanalytical.com

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO:

LOCATION: SPRINGDALE 28 TANKS

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: FL-1-1'

GTA PROJECT NO: 110620-18

GTA SAMPLE NO: 1

DATE SAMPLED: 11/6/2020

TIME SAMPLED: 2:00 PM

DATE RECEIVED: 11/6/2020

TIME RECEIVED: 4:35 PM

SAMPLED BY: NICK 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	11/6/2020	11/8/2020	EPA 5035A
Toluene	370	50					
Ethylbenzene	190	50					
Xylene(Total)	440	150					
1,2,4-Trimethylbenzene	81	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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PROJECT NO:

LOCATION: SPRINGDALE 28 TANKS

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: FL-2-36"

GTA PROJECT NO: 110620-18

GTA SAMPLE NO: 2

DATE SAMPLED: 11/6/2020

TIME SAMPLED: 2:20 PM

DATE RECEIVED: 11/6/2020

TIME RECEIVED: 4:35 PM

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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		11/6/2020	11/8/2020	EPA 5035A
Toluene	82	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

GTA PROJECT NO: 110620-18

PROJECT NO:

GTA SAMPLE NO: 3

LOCATION: SPRINGDALE 28 TANKS

DATE SAMPLED: 11/6/2020

TIME SAMPLED: 2:32 PM

MI

DATE RECEIVED: 11/6/2020

TIME RECEIVED: 4:35 PM

SAMPLE MATRIX: SOIL

SAMPLE ID: SW-N-16"

SAMPLED BY: NICK 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	11/6/2020	11/8/2020	EPA 5035A
Toluene	140	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: SPRINGDALE 28 TANKS

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SW-S-16"

GTA PROJECT NO: 110620-18

GTA SAMPLE NO: 4

DATE SAMPLED: 11/6/2020

TIME SAMPLED: 2:35 PM

DATE RECEIVED: 11/6/2020

TIME RECEIVED: 4:35 PM

SAMPLED BY: NICK 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		11/6/2020	11/8/2020	EPA 5035A
Toluene	82	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

GTA PROJECT NO: 110620-18

PROJECT NO:

GTA SAMPLE NO: 5

LOCATION: SPRINGDALE 28 TANKS

DATE SAMPLED: 11/6/2020

TIME SAMPLED: 2:50 PM

MI

DATE RECEIVED: 11/6/2020

TIME RECEIVED: 4:35 PM

SAMPLE MATRIX: SOIL

SAMPLE ID: SW-W-6"

SAMPLED BY: NICK 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	11/6/2020	11/8/2020	EPA 5035A
Toluene	180	50					
Ethylbenzene	79	50					
Xylene(Total)	190	150					
1,2,4-Trimethylbenzene	52	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: SPRINGDALE 28 TANKS

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SW-E-16"

GTA PROJECT NO: 110620-18

GTA SAMPLE NO: 6

DATE SAMPLED: 11/6/2020

TIME SAMPLED: 3:00 PM

DATE RECEIVED: 11/6/2020

TIME RECEIVED: 4:35 PM

SAMPLED BY: NICK 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		11/6/2020	11/8/2020	EPA 5035A
Toluene	310	50					
Ethylbenzene	82	50					
Xylene(Total)	180	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: GTA PROJECT NO: 110620-18
LOCATION: SPRINGDALE 28 TANKS
DATE SAMPLED: 11/6/2020
TIME SAMPLED: 2:00 PM
DATE RECEIVED: 11/6/2020
TIME RECEIVED: 4:35 PM
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</u>
SAMPLE ID: FL-1-1'							
CHLORIDE EPA 300.0		ND	100	mg/Kg (PPM)	LV	11/12/2020	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: SPRINGDALE 28 TANKS
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 110620-18
GTA SAMPLE NO: 2
DATE SAMPLED: 11/6/2020
TIME SAMPLED: 2:20 PM
DATE RECEIVED: 11/6/2020
TIME RECEIVED: 4:35 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-2-36"						
	CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/12/2020	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: SPRINGDALE 28 TANKS
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 110620-18
GTA SAMPLE NO: 3
DATE SAMPLED: 11/6/2020
TIME SAMPLED: 2:32 PM
DATE RECEIVED: 11/6/2020
TIME RECEIVED: 4:35 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-16"						
	CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/12/2020	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: SPRINGDALE 28 TANKS
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 110620-18
GTA SAMPLE NO: 4
DATE SAMPLED: 11/6/2020
TIME SAMPLED: 2:35 PM
DATE RECEIVED: 11/6/2020
TIME RECEIVED: 4:35 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-16"						
	CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/12/2020	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: SPRINGDALE 28 TANKS
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 110620-18
GTA SAMPLE NO: 5
DATE SAMPLED: 11/6/2020
TIME SAMPLED: 2:50 PM
DATE RECEIVED: 11/6/2020
TIME RECEIVED: 4:35 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-6"						
	CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/12/2020	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: SPRINGDALE 28 TANKS
MI
SAMPLED BY: NICK SUMMERLAND/LER

GTA PROJECT NO: 110620-18
GTA SAMPLE NO: 6
DATE SAMPLED: 11/6/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 11/6/2020
TIME RECEIVED: 4:35 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-16"						
	CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	11/12/2020	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: 110620-

NAME:

SAMPLED BY: NICK SUMMERLAND/LER

PROJECT NO:

DATE SAMPLED: 11/6/2020

TIME SAMPLED: 2:00 PM

LOCATION: SPRINGDALE 28 TANKS

SAMPLE MATRIX: SOIL

DATE RECEIVED: 11/6/2020

TIME RECEIVED: 4:35 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-1-1'	% MOISTURE EPA 3550C	4.9	0.050	% OF SAMPLE	AS	11/6/2020
SAMPLE ID: FL-2-36"	% MOISTURE EPA 3550C	3.9	0.050	% OF SAMPLE	AS	11/6/2020
SAMPLE ID: SW-N-16"	% MOISTURE EPA 3550C	3.4	0.050	% OF SAMPLE	AS	11/6/2020
SAMPLE ID: SW-S-16"	% MOISTURE EPA 3550C	3.9	0.050	% OF SAMPLE	AS	11/6/2020
SAMPLE ID: SW-W-6"	% MOISTURE EPA 3550C	4.0	0.050	% OF SAMPLE	AS	11/6/2020
SAMPLE ID: SW-E-16"	% MOISTURE EPA 3550C	2.4	0.050	% OF SAMPLE	AS	11/6/2020

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Springdale 78 Tangle	Cambda Energy
SAMPLED BY	COMPANY	GTA PROJECT #
Nick Summerland		110620-18

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	FL-1-1'	11-6-20	2:16pm	Soil	BTEX + Chloride
2	FL-2-36"	↓	2:20p	↓	↓ ↓
3	SW-N-16"		2:32p	↓	
4	SW-S-16"		2:35p	↓	
5	SW-W-6"		2:50p	↓	
6	SW-E-16"		3:00p	↓	

BILL TO:		REPORT TO:	
Cambda Energy		N Summerland	
RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Nick Paul	11-6-20 4:35P	[Signature]	11/6/20 4:35p
		rec 4.0°C once	
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			