

**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: 2018100145.01

GTA ProjNo: 012320-4

Site Addr: ST. SPRINGDALE 3-25 HD 1 & 2

Sampled By: MIKE RANKENS/GCES

Date Rec: 1/23/2020

Time Rec: 4:10 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-5 (10')	1/23/2020	10:55 AM	WATER
2	MW-5 (20')	1/23/2020	11:15 AM	WATER
3	MW-6	1/23/2020	11:26 AM	WATER
4	MW-7	1/23/2020	11:48 AM	WATER
5	MW-1	1/23/2020	12:07 PM	WATER

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: 2018100145.01
LOCATION: ST. SPRINGDALE 3-25 HD 1 & 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5 (10')

GTA PROJECT NO: 012320-4
GTA SAMPLE NO: 1
DATE SAMPLED: 1/23/2020
TIME SAMPLED: 10:55 AM
DATE RECEIVED: 1/23/2020
TIME RECEIVED: 4:10 PM
SAMPLED BY: MIKE RANKENS/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		1/26/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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: 2018100145.01
LOCATION: ST. SPRINGDALE 3-25 HD 1 & 2
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5 (20')

GTA PROJECT NO: 012320-4
GTA SAMPLE NO: 2
DATE SAMPLED: 1/23/2020
TIME SAMPLED: 11:15 AM
DATE RECEIVED: 1/23/2020
TIME RECEIVED: 4:10 PM
SAMPLED BY: MIKE RANKENS/GCES

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	1.0	ug/L (PPB)	MR		1/26/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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:	012320-4
PROJECT NO:	2018100145.01	GTA SAMPLE NO:	3
LOCATION:	ST. SPRINGDALE 3-25 HD 1 & 2	DATE SAMPLED:	1/23/2020
		TIME SAMPLED:	11:26 AM
		DATE RECEIVED:	1/23/2020
	MI	TIME RECEIVED:	4:10 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-6	SAMPLED BY:	MIKE RANKENS/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		1/26/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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: 2018100145.01

LOCATION: ST. SPRINGDALE 3-25 HD 1 & 2

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-7

GTA PROJECT NO: 012320-4

GTA SAMPLE NO: 4

DATE SAMPLED: 1/23/2020

TIME SAMPLED: 11:48 AM

DATE RECEIVED: 1/23/2020

TIME RECEIVED: 4:10 PM

SAMPLED BY: MIKE RANKENS/GCES

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	1.0	ug/L (PPB)	MR		1/27/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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:	012320-4
PROJECT NO:	2018100145.01	GTA SAMPLE NO:	5
LOCATION:	ST. SPRINGDALE 3-25 HD 1 & 2	DATE SAMPLED:	1/23/2020
		TIME SAMPLED:	12:07 PM
		DATE RECEIVED:	1/23/2020
	MI	TIME RECEIVED:	4:10 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-1	SAMPLED BY:	MIKE RANKENS/GCES

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	82	1.0	ug/L (PPB)	MR		1/27/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	92	1.0					
Xylene(Total)	160	3.0					
1,2,4-Trimethylbenzene	73	1.0					
1,3,5-Trimethylbenzene	9.8	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

CHAIN OF CUSTODY

PROJECT NUMBER 2018100145.01	SITE NAME/ADDRESS St. Springdale 325 HD 142	COMPANY/NAME Lambda Energy Resources, LLC
SAMPLED BY Mike Rankens	COMPANY GCES	GTA PROJECT # 012320-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-5 (10')	1/23/20	1055	Water	BTEX + 4
	MW-5 (20')	1/23/20	1115	Water	BTEX + 4
	MW-6	1/23/20	1126	Water	BTEX + 4
	MW-7	1/23/20	1148	Water	BTEX + 4
	MW-1	1/23/20	1207	Water	BTEX + 4

BILL TO:

REPORT TO:

Lambda Energy Resources, LLC - Nick Summerland

GCES - Eric Vincke

RELEASED BY Mike Rankens	DATE/TIME 1/23/20 @ 1610	RECEIVED BY [Signature]	DATE/TIME 1/23/20 1610
			REC'd [Signature]

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