

**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: 2018100120.01

GTA ProjNo: 051922-12

Site Addr: MAPLE GROVE 16 CPF

Sampled By: D. THOMAS/GCES

Date Rec: 5/19/2022

Time Rec: 3:51 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-33	5/19/2022	1:00 PM	WATER
2	TW-2020-1	5/19/2022	1:15 PM	WATER
3	MW-10	5/19/2022	1:55 PM	WATER
4	MW-17	5/19/2022	2:15 PM	WATER
5	MW-29	5/19/2022	2:35 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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100120.01
LOCATION: MAPLE GROVE 16 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-33

GTA PROJECT NO: 051922-12
GTA SAMPLE NO: 1
DATE SAMPLED: 5/19/2022
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 5/19/2022
TIME RECEIVED: 3:51 PM
SAMPLED BY: D. THOMAS/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		5/22/2022	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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100120.01

LOCATION: MAPLE GROVE 16 CPF

MI

SAMPLE MATRIX: WATER

SAMPLE ID: TW-2020-1

GTA PROJECT NO: 051922-12

GTA SAMPLE NO: 2

DATE SAMPLED: 5/19/2022

TIME SAMPLED: 1:15 PM

DATE RECEIVED: 5/19/2022

TIME RECEIVED: 3:51 PM

SAMPLED BY: D. THOMAS/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		5/22/2022	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					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100120.01
LOCATION: MAPLE GROVE 16 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-10

GTA PROJECT NO: 051922-12
GTA SAMPLE NO: 3
DATE SAMPLED: 5/19/2022
TIME SAMPLED: 1:55 PM
DATE RECEIVED: 5/19/2022
TIME RECEIVED: 3:51 PM
SAMPLED BY: D. THOMAS/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		5/22/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	18	1.0					
1,3,5-Trimethylbenzene	13	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100120.01

LOCATION: MAPLE GROVE 16 CPF

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-17

GTA PROJECT NO: 051922-12

GTA SAMPLE NO: 4

DATE SAMPLED: 5/19/2022

TIME SAMPLED: 2:15 PM

DATE RECEIVED: 5/19/2022

TIME RECEIVED: 3:51 PM

SAMPLED BY: D. THOMAS/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		5/22/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	6.6	1.0					
1,3,5-Trimethylbenzene	2.6	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 2018100120.01

LOCATION: MAPLE GROVE 16 CPF

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-29

GTA PROJECT NO: 051922-12

GTA SAMPLE NO: 5

DATE SAMPLED: 5/19/2022

TIME SAMPLED: 2:35 PM

DATE RECEIVED: 5/19/2022

TIME RECEIVED: 3:51 PM

SAMPLED BY: D. THOMAS/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		5/22/2022	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					

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PROJECT NO: 2018100120.01
LOCATION: MAPLE GROVE 16 CPF
MI
SAMPLED BY: D. THOMAS/GCES

GTA PROJECT NO: 051922-12
GTA SAMPLE NO: 1
DATE SAMPLED: 5/19/2022
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 5/19/2022
TIME RECEIVED: 3:51 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 Matrix</u>
	SAMPLE ID: MW-33						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	5/26/2022	WATER
	CONDUCTIVITY SM2510-B	90	1.0	uS/cm@25C	TR	5/26/2022	WATER

ND = NOT DETECTED, RESULT < LOD
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s.u. = STANDARD pH UNITS REPORTED AT 25 C
DISS = DISSOLVED

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LOCATION: MAPLE GROVE 16 CPF
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SAMPLED BY: D. THOMAS/GCES

GTA PROJECT NO: 051922-12
GTA SAMPLE NO: 2
DATE SAMPLED: 5/19/2022
TIME SAMPLED: 1:15 PM
DATE RECEIVED: 5/19/2022
TIME RECEIVED: 3:51 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 Matrix</u>
	SAMPLE ID: TW-2020-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	5/26/2022	WATER
	CONDUCTIVITY SM2510-B	70	1.0	uS/cm@25C	TR	5/26/2022	WATER

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PROJECT NO: 2018100120.01
LOCATION: MAPLE GROVE 16 CPF
MI
SAMPLED BY: D. THOMAS/GCES

GTA PROJECT NO: 051922-12
GTA SAMPLE NO: 3
DATE SAMPLED: 5/19/2022
TIME SAMPLED: 1:55 PM
DATE RECEIVED: 5/19/2022
TIME RECEIVED: 3:51 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 Matrix</u>
	SAMPLE ID: MW-10						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	5/26/2022	WATER
	CONDUCTIVITY SM2510-B	240	1.0	uS/cm@25C	TR	5/26/2022	WATER

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LOCATION: MAPLE GROVE 16 CPF
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SAMPLED BY: D. THOMAS/GCES

GTA PROJECT NO: 051922-12
GTA SAMPLE NO: 4
DATE SAMPLED: 5/19/2022
TIME SAMPLED: 2:15 PM
DATE RECEIVED: 5/19/2022
TIME RECEIVED: 3:51 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 Matrix</u>
	SAMPLE ID: MW-17						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	5/26/2022	WATER
	CONDUCTIVITY SM2510-B	300	1.0	uS/cm@25C	TR	5/26/2022	WATER

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LOCATION: MAPLE GROVE 16 CPF
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GTA PROJECT NO: 051922-12
GTA SAMPLE NO: 5
DATE SAMPLED: 5/19/2022
TIME SAMPLED: 2:35 PM
DATE RECEIVED: 5/19/2022
TIME RECEIVED: 3:51 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 Matrix</u>
	SAMPLE ID: MW-29						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	5/26/2022	WATER
	CONDUCTIVITY SM2510-B	110	1.0	uS/cm@25C	TR	5/26/2022	WATER

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DISS = DISSOLVED

