



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: 20-129
GTA ProjNo: 021821-5

Site Addr: CHARLTON 4

Sampled By: SEAN CLARK/OMPC
Date Rec: 2/18/2021
Time Rec: 10:50 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4S	2/17/2021	1:44 PM	WATER
2	MW-13	2/17/2021	3:30 PM	WATER
3	MW-15S	2/17/2021	5:23 PM	WATER
4	MW-16	2/17/2021	5:19 PM	WATER
5	MW-17S	2/17/2021	4:38 PM	WATER
6	MW-18S	2/17/2021	6:33 PM	WATER
7	MW-18M	2/17/2021	6:30 PM	WATER
8	MW-22S	2/17/2021	1:37 PM	WATER
9	MW-24	2/17/2021	3:20 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
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Traverse City, MI 49686
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-129
LOCATION: CHARLTON 4
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4S

GTA PROJECT NO: 021821-5
GTA SAMPLE NO: 1
DATE SAMPLED: 2/17/2021
TIME SAMPLED: 1:44 PM
DATE RECEIVED: 2/18/2021
TIME RECEIVED: 10:50 AM
SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	2.9	1.0					
Xylene(Total)	7.7	3.0					
1,2,4-Trimethylbenzene	83	4.0					
1,3,5-Trimethylbenzene	23	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: 20-129
LOCATION: CHARLTON 4
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13

GTA PROJECT NO: 021821-5
GTA SAMPLE NO: 2
DATE SAMPLED: 2/17/2021
TIME SAMPLED: 3:30 PM
DATE RECEIVED: 2/18/2021
TIME RECEIVED: 10:50 AM

SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-129
LOCATION: CHARLTON 4
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-15S

GTA PROJECT NO: 021821-5
GTA SAMPLE NO: 3
DATE SAMPLED: 2/17/2021
TIME SAMPLED: 5:23 PM
DATE RECEIVED: 2/18/2021
TIME RECEIVED: 10:50 AM
SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-129
LOCATION: CHARLTON 4
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-16

GTA PROJECT NO: 021821-5
GTA SAMPLE NO: 4
DATE SAMPLED: 2/17/2021
TIME SAMPLED: 5:19 PM
DATE RECEIVED: 2/18/2021
TIME RECEIVED: 10:50 AM

SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 20-129
 LOCATION: CHARLTON 4
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-17S

GTA PROJECT NO: 021821-5
 GTA SAMPLE NO: 5
 DATE SAMPLED: 2/17/2021
 TIME SAMPLED: 4:38 PM
 DATE RECEIVED: 2/18/2021
 TIME RECEIVED: 10:50 AM

SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	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: 20-129
LOCATION: CHARLTON 4
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-18S

GTA PROJECT NO: 021821-5
GTA SAMPLE NO: 6
DATE SAMPLED: 2/17/2021
TIME SAMPLED: 6:33 PM
DATE RECEIVED: 2/18/2021
TIME RECEIVED: 10:50 AM
SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-129
LOCATION: CHARLTON 4
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-18M

GTA PROJECT NO: 021821-5
GTA SAMPLE NO: 7
DATE SAMPLED: 2/17/2021
TIME SAMPLED: 6:30 PM
DATE RECEIVED: 2/18/2021
TIME RECEIVED: 10:50 AM
SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 20-129
 LOCATION: CHARLTON 4
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-22S

GTA PROJECT NO: 021821-5
 GTA SAMPLE NO: 8
 DATE SAMPLED: 2/17/2021
 TIME SAMPLED: 1:37 PM
 DATE RECEIVED: 2/18/2021
 TIME RECEIVED: 10:50 AM

SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 20-129
 LOCATION: CHARLTON 4
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-24

GTA PROJECT NO: 021821-5
 GTA SAMPLE NO: 9
 DATE SAMPLED: 2/17/2021
 TIME SAMPLED: 3:20 PM
 DATE RECEIVED: 2/18/2021
 TIME RECEIVED: 10:50 AM

SAMPLED BY: SEAN CLARK/OMPC

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		2/20/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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PROJECT NO: 20-129
LOCATION: CHARLTON 4

GTA PROJECT NO: 021821-5
GTA SAMPLE NO: 2
DATE SAMPLED: 2/17/2021
TIME SAMPLED: 3:30 PM
DATE RECEIVED: 2/18/2021
TIME RECEIVED: 10:50 AM

MI
SAMPLED BY: SEAN CLARK/OMPC

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-13						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/19/2021	WATER
	CONDUCTIVITY SM2510-B	390	1.0	uS/cm@25C	LV	2/19/2021	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 20-124	SITE NAME/ADDRESS Charlton 4	COMPANY/NAME Lambda
SAMPLED BY Sean Clark	COMPANY Otwell Mowbray	GTA PROJECT # 021821-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-4s	2/17/2021	1:44pm	GW	BTEX+4
2	MW-13	2/17/2021	3:30pm	GW	BTEX, Chlorides, Conductivity
3	MW-15s	2/17/2021	5:23pm	GW	BTEX
4	MW-16	2/17/2021	5:19pm	GW	BTEX
5	MW-17s	2/17/2021	4:38pm	GW	BTEX+4
6	MW-18s	2/17/2021	6:33pm	GW	BTEX
7	MW-18m	2/17/2021	6:30pm	GW	BTEX
8	MW-22s	2/17/2021	1:37pm	GW	BTEX
9	MW-24s	2/17/2021	3:20pm	GW	BTEX

BILL TO:

Lambda

REPORT TO:

Otwell Mowbray

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature]

2/18/2021 @ 10:50pm

[Signature]

2/18/21 10:50p

fee 4.50L on ice

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