

**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: 20-120

GTA ProjNo: 110923-10

Site Addr: COLDSPRINGS 29A

Sampled By: WPM/OMPC

Date Rec: 11/9/2023

Time Rec: 4:10 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-8	11/9/2023	9:10 AM	WATER
2	MW-8-35	11/9/2023	10:25 AM	WATER
3	MW-8-70	11/9/2023	9:50 AM	WATER
4	EW-2	11/9/2023	9:30 AM	WATER
5	EW-5	11/9/2023	9:40 AM	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
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLDSPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-8

GTA PROJECT NO: 110923-10
GTA SAMPLE NO: 1
DATE SAMPLED: 11/9/2023
TIME SAMPLED: 9:10 AM
DATE RECEIVED: 11/9/2023
TIME RECEIVED: 4:10 PM
SAMPLED BY: WPM/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		11/13/2023	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: 20-120
LOCATION: COLDSPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-8-35

GTA PROJECT NO: 110923-10
GTA SAMPLE NO: 2
DATE SAMPLED: 11/9/2023
TIME SAMPLED: 10:25 AM
DATE RECEIVED: 11/9/2023
TIME RECEIVED: 4:10 PM
SAMPLED BY: WPM/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>Completed</u>	<u>Prep Method</u>
Benzene	53	1.0	ug/L (PPB)	MR		11/13/2023	EPA 5030B
Toluene	15	1.0					
Ethylbenzene	41	1.0					
Xylene(Total)	41	3.0					
1,2,4-Trimethylbenzene	2.1	1.0					
1,3,5-Trimethylbenzene	1.6	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLDSPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-8-70

GTA PROJECT NO: 110923-10
GTA SAMPLE NO: 3
DATE SAMPLED: 11/9/2023
TIME SAMPLED: 9:50 AM
DATE RECEIVED: 11/9/2023
TIME RECEIVED: 4:10 PM
SAMPLED BY: WPM/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		11/13/2023	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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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLDSPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: EW-2

GTA PROJECT NO: 110923-10
GTA SAMPLE NO: 4
DATE SAMPLED: 11/9/2023
TIME SAMPLED: 9:30 AM
DATE RECEIVED: 11/9/2023
TIME RECEIVED: 4:10 PM
SAMPLED BY: WPM/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>Completed</u>	<u>Prep Method</u>
Benzene	4.9	1.0	ug/L (PPB)	MR		11/13/2023	EPA 5030B
Toluene	100	1.0					
Ethylbenzene	240	25					
Xylene(Total)	3,200	75					
1,2,4-Trimethylbenzene	350	25					
1,3,5-Trimethylbenzene	100	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLDSPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: EW-5
GTA PROJECT NO: 110923-10
GTA SAMPLE NO: 5
DATE SAMPLED: 11/9/2023
TIME SAMPLED: 9:40 AM
DATE RECEIVED: 11/9/2023
TIME RECEIVED: 4:10 PM
SAMPLED BY: WPM/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		11/13/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	7.7	1.0					
Xylene(Total)	130	3.0					
1,2,4-Trimethylbenzene	33	1.0					
1,3,5-Trimethylbenzene	9.5	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 110923-10

PROJECT NO: 20-120

GTA SAMPLE NO: 1

LOCATION: COLDSPRINGS 29A

DATE SAMPLED: 11/9/2023

TIME SAMPLED: 9:10 AM

DATE RECEIVED: 11/9/2023

TIME RECEIVED: 4:10 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-8

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

11/20/2023

Sample Matrix

WATER

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: 110923-10

PROJECT NO: 20-120

GTA SAMPLE NO: 2

LOCATION: COLDSPRINGS 29A

DATE SAMPLED: 11/9/2023

TIME SAMPLED: 10:25 AM

DATE RECEIVED: 11/9/2023

TIME RECEIVED: 4:10 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-8-35

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
ND	10	mg/L (PPM)	KC/TR	11/20/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 110923-10

PROJECT NO: 20-120

GTA SAMPLE NO: 3

LOCATION: COLDSPRINGS 29A

DATE SAMPLED: 11/9/2023

TIME SAMPLED: 9:50 AM

DATE RECEIVED: 11/9/2023

TIME RECEIVED: 4:10 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-8-70

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
100	10	mg/L (PPM)	KC/TR	11/20/2023	WATER

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: 110923-10

PROJECT NO: 20-120

GTA SAMPLE NO: 4

LOCATION: COLDSPRINGS 29A

DATE SAMPLED: 11/9/2023

TIME SAMPLED: 9:30 AM

DATE RECEIVED: 11/9/2023

TIME RECEIVED: 4:10 PM

SAMPLED BY: MI
WPM/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: EW-2

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

11/20/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 110923-10

PROJECT NO: 20-120

GTA SAMPLE NO: 5

LOCATION: COLDSPRINGS 29A

DATE SAMPLED: 11/9/2023

TIME SAMPLED: 9:40 AM

DATE RECEIVED: 11/9/2023

TIME RECEIVED: 4:10 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: EW-5

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

11/20/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER 20-120	SITE NAME/ADDRESS Coltsprings 29A	COMPANY/NAME Lambda
SAMPLED BY WPM	COMPANY OMPL	GTA PROJECT # 110923-10

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-8	11-9-23	910	H ₂ O	HIPs + Chlorides
	MW-8-35	↓	1025	↓	↓
	MW-8-70	↓	950	↓	↓
	EW-2	↓	930	↓	↓
	EW-5	↓	940	↓	↓

BILL TO:	TempRec: ☐ 4.0°C	On Ice? ☒ Y ☐ N	REPORT TO: Dan Burton
----------	--	--	---------------------------------

RELEASED BY [Signature]	DATE/TIME 11-9-23 4:10	RECEIVED BY [Signature]	DATE/TIME 11/9/23 4:10

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