

**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: 20-128

GTA ProjNo: 051923-3

Site Addr: GERALDINE 3-35

Sampled By: WPM/OMPC

Date Rec: 5/19/2023

Time Rec: 10:10 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	5/17/2023	1:30 PM	WATER
2	MW-3	5/17/2023	2:10 PM	WATER
3	MW-10	5/17/2023	1:40 PM	WATER
4	MW-21	5/17/2023	1:05 PM	WATER
5	MW-25	5/17/2023	1:55 PM	WATER
6	MW-34	5/17/2023	2:45 PM	WATER
7	MW-37	5/18/2023	1:10 PM	WATER
8	MW-38	3/17/2023	4:30 PM	WATER
9	MW-39	5/18/2023	1:30 PM	WATER
10	MW-40	5/17/2023	3:20 PM	WATER
11	MW-41	5/18/2023	12:50 PM	WATER
12	MW-42	5/17/2023	4:05 PM	WATER
13	MW-22	5/17/2023	12:55 PM	WATER
14	SB-112R @ 3'	5/18/2023	2:10 PM	SOIL
15	SB-112R @ 5'	5/18/2023	2:45 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
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**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-128
LOCATION: GERALDINE 3-35
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 051923-3
GTA SAMPLE NO: 1
DATE SAMPLED: 5/17/2023
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 5/19/2023
TIME RECEIVED: 10:10 AM
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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-128
LOCATION: GERALDINE 3-35
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3
GTA PROJECT NO: 051923-3
GTA SAMPLE NO: 2
DATE SAMPLED: 5/17/2023
TIME SAMPLED: 2:10 PM
DATE RECEIVED: 5/19/2023
TIME RECEIVED: 10:10 AM
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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	051923-3
PROJECT NO:	20-128	GTA SAMPLE NO:	3
LOCATION:	GERALDINE 3-35	DATE SAMPLED:	5/17/2023
		TIME SAMPLED:	1:40 PM
		DATE RECEIVED:	5/19/2023
	MI	TIME RECEIVED:	10:10 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-10	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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	4.6	1.0					
Xylene(Total)	41	3.0					
1,2,4-Trimethylbenzene	34	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
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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	051923-3
PROJECT NO:	20-128	GTA SAMPLE NO:	4
LOCATION:	GERALDINE 3-35	DATE SAMPLED:	5/17/2023
		TIME SAMPLED:	1:05 PM
		DATE RECEIVED:	5/19/2023
	MI	TIME RECEIVED:	10:10 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-21	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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	051923-3
PROJECT NO:	20-128	GTA SAMPLE NO:	5
LOCATION:	GERALDINE 3-35	DATE SAMPLED:	5/17/2023
		TIME SAMPLED:	1:55 PM
	MI	DATE RECEIVED:	5/19/2023
		TIME RECEIVED:	10:10 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-25	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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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.
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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	051923-3
PROJECT NO:	20-128	GTA SAMPLE NO:	6
LOCATION:	GERALDINE 3-35	DATE SAMPLED:	5/17/2023
		TIME SAMPLED:	2:45 PM
		DATE RECEIVED:	5/19/2023
	MI	TIME RECEIVED:	10:10 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-34	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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	1.4	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:	051923-3
PROJECT NO:	20-128	GTA SAMPLE NO:	7
LOCATION:	GERALDINE 3-35	DATE SAMPLED:	5/18/2023
		TIME SAMPLED:	1:10 PM
	MI	DATE RECEIVED:	5/19/2023
		TIME RECEIVED:	10:10 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-37	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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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.
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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	051923-3
PROJECT NO:	20-128	GTA SAMPLE NO:	8
LOCATION:	GERALDINE 3-35	DATE SAMPLED:	3/17/2023
		TIME SAMPLED:	4:30 PM
	MI	DATE RECEIVED:	5/19/2023
		TIME RECEIVED:	10:10 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-38	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>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-128
LOCATION: GERALDINE 3-35
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-39

GTA PROJECT NO: 051923-3
GTA SAMPLE NO: 9
DATE SAMPLED: 5/18/2023
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 5/19/2023
TIME RECEIVED: 10:10 AM
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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	051923-3
PROJECT NO:	20-128	GTA SAMPLE NO:	10
LOCATION:	GERALDINE 3-35	DATE SAMPLED:	5/17/2023
		TIME SAMPLED:	3:20 PM
		DATE RECEIVED:	5/19/2023
	MI	TIME RECEIVED:	10:10 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-40	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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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.
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-128
LOCATION: GERALDINE 3-35
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-41

GTA PROJECT NO: 051923-3
GTA SAMPLE NO: 11
DATE SAMPLED: 5/18/2023
TIME SAMPLED: 12:50 PM
DATE RECEIVED: 5/19/2023
TIME RECEIVED: 10:10 AM
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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	051923-3
PROJECT NO:	20-128	GTA SAMPLE NO:	12
LOCATION:	GERALDINE 3-35	DATE SAMPLED:	5/17/2023
		TIME SAMPLED:	4:05 PM
		DATE RECEIVED:	5/19/2023
	MI	TIME RECEIVED:	10:10 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-42	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>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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: 20-128
LOCATION: GERALDINE 3-35
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-22

GTA PROJECT NO: 051923-3
GTA SAMPLE NO: 13
DATE SAMPLED: 5/17/2023
TIME SAMPLED: 12:55 PM
DATE RECEIVED: 5/19/2023
TIME RECEIVED: 10:10 AM
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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		5/23/2023	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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-128

LOCATION: GERALDINE 3-35

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SB-112R @ 3'

GTA PROJECT NO: 051923-3

GTA SAMPLE NO: 14

DATE SAMPLED: 5/18/2023

TIME SAMPLED: 2:10 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

SAMPLED BY: WPM/OMPC

**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	5/18/2023	5/23/2023	EPA 5035A
Toluene	ND	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-128

LOCATION: GERALDINE 3-35

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: SB-112R @ 5'

GTA PROJECT NO: 051923-3

GTA SAMPLE NO: 15

DATE SAMPLED: 5/18/2023

TIME SAMPLED: 2:45 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

SAMPLED BY: WPM/OMPC

**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	5/18/2023	5/23/2023	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	550	150					
1,2,4-Trimethylbenzene	940	50					
1,3,5-Trimethylbenzene	290	50					
Naphthalene	ND	250					
2-Methylnaphthalene	360	250					

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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 1

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-2

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/26/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 2

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 2:10 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-3

CHLORIDE EPA 300.0

Concentration

16

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/26/2023

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**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

GTA PROJECT NO: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 3

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 1:40 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-10

CHLORIDE EPA 300.0

Concentration

14

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/26/2023

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: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 4

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 1:05 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-21

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	5/26/2023	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 5

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 1:55 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-25

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/26/2023

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: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 6

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 2:45 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-34

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

KC/TR

5/26/2023

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

PROJECT NO: 20-128

LOCATION: GERALDINE 3-35

GTA PROJECT NO: 051923-3

GTA SAMPLE NO: 7

DATE SAMPLED: 5/18/2023

TIME SAMPLED: 1:10 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

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

SAMPLE ID: MW-37

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/26/2023

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: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 8

LOCATION: GERALDINE 3-35

DATE SAMPLED: 3/17/2023

TIME SAMPLED: 4:30 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-38

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
17	10	mg/L (PPM)	KC/TR	5/26/2023	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

PROJECT NO: 20-128

LOCATION: GERALDINE 3-35

GTA PROJECT NO: 051923-3

GTA SAMPLE NO: 9

DATE SAMPLED: 5/18/2023

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

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

SAMPLE ID: MW-39

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	5/26/2023	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: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 10

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 3:20 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-40

CHLORIDE EPA 300.0

Concentration

44

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/26/2023

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: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 11

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/18/2023

TIME SAMPLED: 12:50 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-41

CHLORIDE EPA 300.0

Concentration

17

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

5/26/2023

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: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 12

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 4:05 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

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

SAMPLE ID: MW-42

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
17	10	mg/L (PPM)	KC/TR	5/26/2023	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: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 13

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/17/2023

TIME SAMPLED: 12:55 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-22

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

KC/TR

5/26/2023

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: 051923-3

PROJECT NO: 20-128

GTA SAMPLE NO: 14

LOCATION: GERALDINE 3-35

DATE SAMPLED: 5/18/2023

TIME SAMPLED: 2:10 PM

DATE RECEIVED: 5/19/2023

TIME RECEIVED: 10:10 AM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: SB-112R @ 3'

CHLORIDE EPA 300.0

Concentration**LOD****Units****Analyst****Date Completed****Sample Matrix**

ND

10

mg/Kg (PPM) KC/AS

5/21/2023

SOIL

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

**INDEPENDENT TESTING LAB**

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-128
LOCATION: GERALDINE 3-35
MI
SAMPLED BY: WPM/OMPC

GTA PROJECT NO: 051923-3
GTA SAMPLE NO: 15
DATE SAMPLED: 5/18/2023
TIME SAMPLED: 2:45 PM
DATE RECEIVED: 5/19/2023
TIME RECEIVED: 10:10 AM

SAMPLE ANALYSIS**No: Analysis**SAMPLE ID: SB-112R @ 5'
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/Kg (PPM)	KC/AS	5/21/2023	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

NAME:

PROJECT NO: 20-128

GTA PROJECT NO: 051923-
SAMPLED BY: WPM/OMPC

DATE SAMPLED: 5/18/2023

LOCATION: GERALDINE 3-35

SAMPLE MATRIX: SOIL

DATE RECEIVED: 5/19/2023
TIME RECEIVED: 10:10 AM

MI

MOISTURE**No: Analysis**SAMPLE ID: SB-112R @ 3'
% MOISTURE EPA 3550CSAMPLE ID: SB-112R @ 5'
% MOISTURE EPA 3550C

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
7.0	0.10	% OF SAMPLE	AS	5/19/2023
4.4	0.10	% OF SAMPLE	AS	5/19/2023

CHAIN OF CUSTODY

PROJECT NUMBER 20-128	SITE NAME/ADDRESS Ceraline 3-35	COMPANY/NAME Lambda
SAMPLED BY WPM	COMPANY OMPC	GTA PROJECT # 051923-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-2	5-17-23	1330	H ₂ O	HP: i Chloride
2	MW-3		1410		
3	MW-10		1340		
4	MW-21		1305		
5	MW-26		1355		
6	MW-34		1445		
7	MW-37	5-18-23	1310		
8	MW-38	5-17-23	1630		
9	MW-39	5-18-23	1330		
10	MW-40	5-17-23	1520		
11	MW-41	5-18-23	1250		
12	MW-42	5-17-23	1605		
13	MW-22		1255		
14	SB-112 R e 3	5-18-23	1410	Soil	HPB + Chlorides HOLD
15	SB-112 R e 5		1445		TEST

BILL TO:

TempRec: ☐

On Ice? ☐ ☐

REPORT TO:

Dan Barton

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

E. M. / 5-19-23 1010

K. Ch / 5/19/23 10:10

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