

**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: 2018100140.01

GTA ProjNo: 030624-9

Site Addr: WHITEWATER 32 CPF

Sampled By: JG/TA - GCES

Date Rec: 3/6/2024

Time Rec: 2:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-46DD	3/4/2024		WATER
2	MW-48DD	3/4/2024		WATER
3	MW-44DD	3/4/2024		WATER
4	MW-45DD	3/4/2024		WATER
5	MW-41DD	3/5/2024		WATER
6	MW-37DD	3/5/2024		WATER
7	MW-43DD	3/5/2024		WATER
8	MW-42DD	3/5/2024		WATER
9	MW-35DD	3/5/2024		WATER
10	MW-9	3/6/2024		WATER
11	MW-32D	3/6/2024		WATER
12	MW-31D	3/6/2024		WATER
13	MW-30DDD	3/6/2024		WATER
14	MW-34DD	3/6/2024		WATER
15	MW-29DD	3/6/2024		WATER
16	MW-10S	3/4/2024		WATER
17	MW-19D	3/4/2024	12:30 PM	WATER
18	MW-19DD	3/4/2024	1:25 PM	WATER
19	MW-50D	3/4/2024	1:45 PM	WATER
20	MW-51D	3/4/2024	2:30 PM	WATER
21	MW-12S	3/5/2024	12:10 PM	WATER
22	MW-14D	3/5/2024	1:45 PM	WATER
23	MW-16S	3/5/2024	2:10 PM	WATER
24	MW-18D	3/5/2024	10:40 AM	WATER
25	MW-22D	3/5/2024	1:00 PM	WATER
26	MW-34D	3/5/2024	11:30 AM	WATER
27	MW-49D	3/5/2024	1:20 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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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-9
GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 10
DATE SAMPLED: 3/6/2024
TIME SAMPLED:
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	24	1.0					
Xylene(Total)	43	3.0					

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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-32D

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 11
DATE SAMPLED: 3/6/2024
TIME SAMPLED:
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	26	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.8	1.0					
Xylene(Total)	23	3.0					
1,2,4-Trimethylbenzene	20	1.0					
1,3,5-Trimethylbenzene	4.4	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-10S

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 16
DATE SAMPLED: 3/4/2024
TIME SAMPLED:
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-19D

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 17
DATE SAMPLED: 3/4/2024
TIME SAMPLED: 12:30 PM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	370	25					
Xylene(Total)	1,200	75					
1,2,4-Trimethylbenzene	140	1.0					
1,3,5-Trimethylbenzene	33	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-31D
GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 12
DATE SAMPLED: 3/6/2024
TIME SAMPLED:
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	7.9	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	290	1.0					
Xylene(Total)	170	3.0					

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PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-50D

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 19
DATE SAMPLED: 3/4/2024
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-51D

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 20
DATE SAMPLED: 3/4/2024
TIME SAMPLED: 2:30 PM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-12S

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 21
DATE SAMPLED: 3/5/2024
TIME SAMPLED: 12:10 PM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-14D

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 22
DATE SAMPLED: 3/5/2024
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	5.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	5.0					
Ethylbenzene	1,900	50					
Xylene(Total)	5,200	150					
1,2,4-Trimethylbenzene	460	5.0					
1,3,5-Trimethylbenzene	120	5.0					
Naphthalene	7.2	5.0					
2-Methylnaphthalene	ND	5.0					

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PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-16S

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 23
DATE SAMPLED: 3/5/2024
TIME SAMPLED: 2:10 PM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	30	5.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	1,900	50					
Ethylbenzene	1,000	50					
Xylene(Total)	4,400	150					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-22D

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 25
DATE SAMPLED: 3/5/2024
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.4	1.0					
Xylene(Total)	92	3.0					
1,2,4-Trimethylbenzene	150	1.0					
1,3,5-Trimethylbenzene	21	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-34D

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 26
DATE SAMPLED: 3/5/2024
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	1.0	1.0	ug/L (PPB)	MR		3/8/2024	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-49D

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 27
DATE SAMPLED: 3/5/2024
TIME SAMPLED: 1:20 PM
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM
SAMPLED BY: JG/TA - 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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/8/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	88	1.0					
Xylene(Total)	230	3.0					
1,2,4-Trimethylbenzene	13	1.0					
1,3,5-Trimethylbenzene	2.2	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 1

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/4/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-46DD

CHLORIDE EPA 300.0

Concentration

15

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/12/2024

Sample Matrix

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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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 2

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/4/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-48DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

120

10

mg/L (PPM)

KC/TR

3/12/2024

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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 3

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/4/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-44DD

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
640	20	mg/L (PPM)	KC/TR	3/12/2024	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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PH: 231-929-0905

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/TA - GCES

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 4
DATE SAMPLED: 3/4/2024
TIME SAMPLED:
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 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-45DD							
CHLORIDE EPA 300.0		680	50	mg/L (PPM)	KC/TR	3/12/2024	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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 5

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-41DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

260

10

mg/L (PPM)

KC/TR

3/12/2024

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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 6

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-37DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

420

10

mg/L (PPM)

KC/TR

3/12/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 7

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-43DD

CHLORIDE EPA 300.0

Concentration

290

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/12/2024

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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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 8

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-42DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

470

20

mg/L (PPM)

KC/TR

3/12/2024

WATER

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LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 9

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-35DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

560

20

mg/L (PPM)

KC/TR

3/12/2024

WATER

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LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 10

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/6/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-9

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

KC/TR

3/12/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 11

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/6/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-32D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

48

10

mg/L (PPM)

KC/TR

3/12/2024

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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 12

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/6/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

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-31D							
CHLORIDE EPA 300.0		38	10	mg/L (PPM)	KC/TR	3/12/2024	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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 13

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/6/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-30DDD

CHLORIDE EPA 300.0

Concentration

44

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/12/2024

Sample Matrix

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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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 14

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/6/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-34DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

420

10

mg/L (PPM)

KC/TR

3/12/2024

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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 15

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/6/2024

TIME SAMPLED:

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-29DD

CHLORIDE EPA 300.0

Concentration

480

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/12/2024

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
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/TA - GCES

GTA PROJECT NO: 030624-9
GTA SAMPLE NO: 16
DATE SAMPLED: 3/4/2024
TIME SAMPLED:
DATE RECEIVED: 3/6/2024
TIME RECEIVED: 2:40 PM

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-10S

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
14	10	mg/L (PPM)	KC/TR	3/13/2024	WATER
410	1.0	uS/cm@25C	TR	3/11/2024	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 17

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/4/2024

TIME SAMPLED: 12:30 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-19D

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/13/2024

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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 18

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/4/2024

TIME SAMPLED: 1:25 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-19DD

CHLORIDE EPA 300.0

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

140

10

mg/L (PPM)

KC/TR

3/13/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 19

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/4/2024

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-50D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

KC/TR

3/13/2024

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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 20

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/4/2024

TIME SAMPLED: 2:30 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-51D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

KC/TR

3/13/2024

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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 21

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED: 12:10 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

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-12S							
CHLORIDE EPA 300.0		20	10	mg/L (PPM)	KC/TR	3/13/2024	WATER

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 22

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-14D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

KC/TR

3/13/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 23

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED: 2:10 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

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-16S							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	3/13/2024	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 24

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED: 10:40 AM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

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-18D							
CHLORIDE EPA 300.0		14	10	mg/L (PPM)	KC/TR	3/13/2024	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 25

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-22D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

KC/TR

3/13/2024

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: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 26

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED: 11:30 AM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-34D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

17

10

mg/L (PPM)

KC/TR

3/13/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 030624-9

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 27

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 3/5/2024

TIME SAMPLED: 1:20 PM

DATE RECEIVED: 3/6/2024

TIME RECEIVED: 2:40 PM

MI

SAMPLED BY: JG/TA - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-49D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

KC/TR

3/13/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

10/2

CHAIN OF CUSTODY

PROJECT NUMBER 201810040.01	SITE NAME/ADDRESS Whitewater 32 CPF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Gerrie	COMPANY Gosling Czupak	GTA PROJECT # 030624-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-46DD	3-4-24		GW	Chloride
2	MW-48DD	↓		↓	↓
3	MW-44DD	↓		↓	↓
4	MW-45DD	↓		↓	↓
5	MW-41DD	3-5-24		GW	↓
6	MW-37DD	↓		↓	↓
7	MW-43DD	↓		↓	↓
8	MW-42DD	↓		↓	↓
9	MW-35DD	↓		↓	↓
10	MW-9	3-6-24		GW	BTEX + chloride
11	MW-32D	↓		↓	BTEX + 4 + chloride
12	MW-31D	↓		↓	BTEX + chloride
13	MW-30DDD	↓		↓	Chloride
14	MW-34DD	↓		↓	↓
15	MW-29DD	↓		↓	↓

BILL TO: Lambda Energy Resources	TempRec: ☐ On Ice? ☒ 2.40C	REPORT TO: Jeff Simsa
RELEASED BY 	DATE/TIME 3-6-24 / 1440	RECEIVED BY
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS		DATE/TIME 3/6/24 1440

2012

CHAIN OF CUSTODY

PROJECT NUMBER 2018100140	SITE NAME/ADDRESS Whitewater 32 CPF	COMPANY/NAME Lambda Energy
SAMPLED BY T. Ackler	COMPANY GCEs	GTA PROJECT # 030624-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	MW-10S	3-4-24		GW	BTEX, chloride, Spec. Cond.
17	MW-19d		12:30		BTEX +4, chloride
18	MW-19dd		13:25		chloride
19	MW-50d		13:45		BTEX, chloride
20	MW-51d		14:30		
21	MW-12S	3-5-24	12:10	GW	BTEX, chloride
22	MW-14d		13:45		BTEX +4, chloride
23	MW-16S		14:10		BTEX, chloride
24	MW-18d		10:40		chloride
25	MW-22d		13:00		BTEX +4, chloride
26	MW-34d		11:30		BTEX, chloride
27	MW-49d		13:20		BTEX +4, chloride

BILL TO:

LER

TempRec: ☐

On Ice? ☒ ☐

2.40°C

REPORT TO:

J. Simsa

RELEASED BY

DATE/TIME

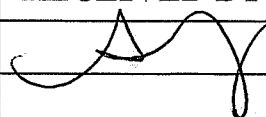
Trevor Ackler

3-6-24/1440

Jim on

RECEIVED BY

DATE/TIME



3/6/24 1440

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