

**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: 201810014.01

GTA ProjNo: 121119-7

Site Addr: WHITEWATER 32 CPF

Sampled By: JG/MS - GCES

Date Rec: 12/11/2019

Time Rec: 3:05 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-19D	12/9/2019		WATER
2	MW-36DD	12/9/2019		WATER
3	MW-19DD	12/9/2019		WATER
4	MW-43DD	12/9/2019		WATER
5	MW-48DD	12/9/2019		WATER
6	MW-37DD	12/9/2019		WATER
7	MW-30DDD	12/9/2019		WATER
8	MW-29DD	12/9/2019		WATER
9	PUMP BLANK	12/10/2019		WATER
10	MW-50D	12/10/2019		WATER
11	MW-9M	12/10/2019		WATER
12	MW-14DD	12/10/2019		WATER
13	MW-14D	12/10/2019		WATER
14	MW-9	12/10/2019		WATER
15	MW-16S	12/10/2019		WATER
16	MW-5	12/11/2019		WATER
17	MW-2	12/11/2019		WATER
18	MW-17S	12/11/2019		WATER
19	MW-51D	12/11/2019		WATER
20	MW-8	12/11/2019		WATER
21	MW-49D	12/11/2019		WATER
22	MW-32D	12/11/2019		WATER
23	MW-10S	12/11/2019		WATER
24	MW-11S	12/11/2019		WATER
25	MW-11D	12/11/2019		WATER
26	MW-13D	12/11/2019		WATER
27	MW-31D	12/11/2019		WATER
28	MW-33D	12/9/2019		WATER
29	MW-18D	12/9/2019		WATER
30	MW-47DD	12/9/2019		WATER
31	MW-35DD	12/9/2019		WATER
32	MW-44DD	12/9/2019		WATER
33	MW-42DD	12/9/2019		WATER
34	MW-45DD	12/9/2019		WATER
35	MW-34DD	12/10/2019		WATER
36	MW-12D	12/10/2019		WATER
37	MW-26D	12/10/2019		WATER
38	MW-34D	12/10/2019		WATER
39	MW-1D	12/10/2019		WATER
40	MW-22D	12/10/2019		WATER
41	MW-13S	12/11/2019		WATER
42	MW-21D	12/11/2019		WATER



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

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

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-19D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 1
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	6.3	1.0	ug/L (PPB)	MR		12/14/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1,000	10					
Xylene(Total)	2,500	21					
1,2,4-Trimethylbenzene	200	10					
1,3,5-Trimethylbenzene	36	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



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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: PUMP BLANK

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 9
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	121119-7
PROJECT NO:	201810014.01	GTA SAMPLE NO:	10
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	12/10/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/11/2019
		TIME RECEIVED:	3:05 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-50D	SAMPLED BY:	JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-9M
GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 11
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-14DD

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 12
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-14D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 13
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	5.2	1.0	ug/L (PPB)	MR		12/14/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	250	1.0					
Xylene(Total)	380	3.0					
1,2,4-Trimethylbenzene	30	1.0					
1,3,5-Trimethylbenzene	11	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

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-9

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 14
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION



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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-16S

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 15
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	97	10	ug/L (PPB)	MR		12/16/2019	EPA 5030B
Toluene	1,300	10					
Ethylbenzene	260	10					
Xylene(Total)	1,000	30					

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: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5
GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 16
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2
GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 17
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	121119-7
PROJECT NO:	201810014.01	GTA SAMPLE NO:	18
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	12/11/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/11/2019
		TIME RECEIVED:	3:05 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-17S	SAMPLED BY:	JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-51D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 19
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	1.9	1.0	ug/L (PPB)	MR		12/14/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	121119-7
PROJECT NO:	201810014.01	GTA SAMPLE NO:	20
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	12/11/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/11/2019
		TIME RECEIVED:	3:05 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-8	SAMPLED BY:	JG/MS - 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		12/13/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.8	1.0					
Xylene(Total)	12	3.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-49D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 21
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	4.1	1.0	ug/L (PPB)	MR		12/14/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.2	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: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-32D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 22
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	20	1.0	ug/L (PPB)	MR		12/14/2019	EPA 5030B
Toluene	4.2	1.0					
Ethylbenzene	18	1.0					
Xylene(Total)	160	3.0					
1,2,4-Trimethylbenzene	66	1.0					
1,3,5-Trimethylbenzene	15	1.0					
Naphthalene	6.4	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



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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-10S
GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 23
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-11S

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 24
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	121119-7
PROJECT NO:	201810014.01	GTA SAMPLE NO:	25
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	12/11/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/11/2019
		TIME RECEIVED:	3:05 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-11D	SAMPLED BY:	JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 26
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-31D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 27
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	2.2	1.0	ug/L (PPB)	MR		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-33D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 28
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-12D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 36
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	121119-7
PROJECT NO:	201810014.01	GTA SAMPLE NO:	37
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	12/10/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/11/2019
		TIME RECEIVED:	3:05 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-26D	SAMPLED BY:	JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-34D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 38
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	2.1	1.0	ug/L (PPB)	MR		12/14/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	121119-7
PROJECT NO:	201810014.01	GTA SAMPLE NO:	39
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	12/10/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/11/2019
		TIME RECEIVED:	3:05 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-1D	SAMPLED BY:	JG/MS - 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		12/13/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-22D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 40
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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	5.3	1.0	ug/L (PPB)	MR		12/14/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	120	1.0					
Xylene(Total)	630	3.0					
1,2,4-Trimethylbenzene	270	1.0					
1,3,5-Trimethylbenzene	17	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



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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-13S

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 41
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/14/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-21D

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 42
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM
SAMPLED BY: JG/MS - 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		12/14/2019	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.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 1
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-19D CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 2
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-36DD CHLORIDE EPA 300.0	42	10	mg/L (PPM)	LV	12/12/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 3

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/9/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-19DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

410

10

mg/L (PPM)

LV

12/12/2019

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 4
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-43DD CHLORIDE EPA 300.0	250	10	mg/L (PPM)	LV	12/12/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 5

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/9/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-48DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

200

10

mg/L (PPM)

LV

12/12/2019

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 6
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-37DD CHLORIDE EPA 300.0	200	10	mg/L (PPM)	LV	12/12/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 7

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/9/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-30DDD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

220

10

mg/L (PPM)

LV

12/12/2019

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 201810014.01

LOCATION: WHITEWATER 32 CPF

GTA PROJECT NO: 121119-7

GTA SAMPLE NO: 8

DATE SAMPLED: 12/9/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

SAMPLED BY: MI
JG/MS - GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-29DD						
	CHLORIDE EPA 300.0	520	20	mg/L (PPM)	LV	12/12/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 10

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/10/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-50D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

73

10

mg/L (PPM)

LV

12/12/2019

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 11
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-9M CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 12
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-14DD CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 13
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-14D							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 14
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-9		ND	10	mg/L (PPM)	LV	12/12/2019	WATER
CHLORIDE EPA 300.0							

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 15
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-16S CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 16
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-5 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 17
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 18
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-17S CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 19
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-51D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 20
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-8							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	12/12/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 21

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/11/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-49D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

ND

10

mg/L (PPM)

LV

12/12/2019

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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 22

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/11/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-32D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

19

10

mg/L (PPM)

LV

12/12/2019

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
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 23
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 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-10S						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	WATER
	CONDUCTIVITY SM2510-B	340	1.0	uS/cm@25C	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 24
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-11S CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 25

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/11/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-11D

CHLORIDE EPA 300.0

Concentration

18

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

12/12/2019

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 26
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-13D CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/12/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 27

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/11/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-31D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

54

10

mg/L (PPM)

LV

12/12/2019

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 28
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-33D CHLORIDE EPA 300.0	22	10	mg/L (PPM)	LV	12/12/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 29

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/9/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-18D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

170

10

mg/L (PPM)

LV

12/12/2019

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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 30

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/9/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-47DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

49

10

mg/L (PPM)

LV

12/12/2019

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:	121119-7
PROJECT NO:	201810014.01	GTA SAMPLE NO:	31
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	12/9/2019
		TIME SAMPLED:	
		DATE RECEIVED:	12/11/2019
		TIME RECEIVED:	3:05 PM
	MI		
SAMPLED BY:	JG/MS - GCES		

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-35DD						
	CHLORIDE EPA 300.0	500	10	mg/L (PPM)	LV	12/12/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 32
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-44DD						
	CHLORIDE EPA 300.0	560	50	mg/L (PPM)	LV	12/13/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 33
DATE SAMPLED: 12/9/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-42DD CHLORIDE EPA 300.0	460	20	mg/L (PPM)	LV	12/13/2019	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:	121119-7
PROJECT NO:	201810014.01	GTA SAMPLE NO:	34
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	12/9/2019
		TIME SAMPLED:	
		DATE RECEIVED:	12/11/2019
		TIME RECEIVED:	3:05 PM
	MI		
SAMPLED BY:	JG/MS - GCES		

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-45DD						
	CHLORIDE EPA 300.0	790	50	mg/L (PPM)	LV	12/13/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 35
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-34DD CHLORIDE EPA 300.0	430	10	mg/L (PPM)	LV	12/13/2019	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 36
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-12D CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/13/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 37

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/10/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-26D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

55

10

mg/L (PPM)

LV

12/13/2019

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 38
DATE SAMPLED: 12/10/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-34D CHLORIDE EPA 300.0	64	10	mg/L (PPM)	LV	12/17/2019	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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 39

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/10/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-1D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

ND

10

mg/L (PPM)

LV

12/17/2019

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: 121119-7

PROJECT NO: 201810014.01

GTA SAMPLE NO: 40

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 12/10/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

MI

SAMPLED BY: JG/MS - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-22D

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

23

10

mg/L (PPM)

LV

12/17/2019

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

PROJECT NO: 201810014.01

LOCATION: WHITEWATER 32 CPF

GTA PROJECT NO: 121119-7

GTA SAMPLE NO: 41

DATE SAMPLED: 12/11/2019

TIME SAMPLED:

DATE RECEIVED: 12/11/2019

TIME RECEIVED: 3:05 PM

SAMPLED BY: MI
JG/MS - GCES**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-13S

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date

12/17/2019

Sample

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 201810014.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JG/MS - GCES

GTA PROJECT NO: 121119-7
GTA SAMPLE NO: 42
DATE SAMPLED: 12/11/2019
TIME SAMPLED:
DATE RECEIVED: 12/11/2019
TIME RECEIVED: 3:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-21D CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	12/17/2019	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 201800140.01	SITE NAME/ADDRESS Whitewater 32 CPF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Gerrie	COMPANY Gosling Czubak	GTA PROJECT # 121119-7

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-19D	12-9-19		GW	BTEX+4 + Chloride
2	MW-36DD				Chloride
3	MW-19DD				
4	MW-43DD				
5	MW-48DD				
6	MW-37DD				
7	MW-30DD				
8	MW-29DD				
9	Pump Blank	12-10-19		W	BTEX
10	MW-50D			GW	BTEX + Chloride
11	MW-9M				
12	MW-14DD				
13	MW-14D				BTEX+4 + Chloride
14	MW-9				BTEX + Chloride
15	MW-16S				

BILL TO:

Lambda Energy Resources

REPORT TO:

Jeff Simsa

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 12-11-19/3:05

[Signature] 12/11/19 3:05
rec and

REQUESTED TAT

☒ STANDARD

☐ 1 BUSINESS DAY

☐ 2 BUSINESS DAYS

☐ 3 BUSINESS DAYS

CHAIN OF CUSTODY

PROJECT NUMBER 2018100140.01	SITE NAME/ADDRESS Whitewater 32 CPF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Gerrie	COMPANY Gosling Czubak	GTA PROJECT # 121119-7

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	MW-5	12-11-19		GW	BTEX & Chloride
17	MW-2				
18	MW-17s				
19	MW-51D				
20	MW-8				
21	MW-49D				BTEX+4 & Chloride
22	MW-32D				
23	MW-10S				BTEX, CHLORIDE, SPEC. COND.
24	MW-11S				BTEX, CHLORIDE
25	MW-11d				
26	MW-13d				
27	MW-31d				
28					
29					
30					

BILL TO:

Lambda Energy Resources

REPORT TO:

Jeff Simsa

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 12-11-19 / 3:05

[Signature] 12/11/19 3:05
REC 4.0°C

REQUESTED TAT

☒ STANDARD

☐ 1 BUSINESS DAY

☐ 2 BUSINESS DAYS

☐ 3 BUSINESS DAYS

CHAIN OF CUSTODY

PROJECT NUMBER <i>2018/00/40.01</i>	SITE NAME/ADDRESS <i>WHITEWATER 32 C/P</i>	COMPANY/NAME <i>LAMBDA ENERGY</i>
SAMPLED BY <i>MARK STOVER</i>	COMPANY <i>G.C.E.S.</i>	GTA PROJECT # <i>12/119-7</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
<i>28</i>	<i>MW-33d</i>	<i>12-9-19</i>		<i>GW</i>	<i>CHLORIDE, BTEX</i>
<i>29</i>	<i>MW-18d</i>	<i> </i>		<i> </i>	<i>CHLORIDE</i>
<i>30</i>	<i>MW-47dd</i>	<i> </i>		<i> </i>	<i> </i>
<i>31</i>	<i>MW-35dd</i>	<i> </i>		<i> </i>	<i> </i>
<i>32</i>	<i>MW-44dd</i>	<i> </i>		<i> </i>	<i> </i>
<i>33</i>	<i>MW-42dd</i>	<i> </i>		<i> </i>	<i> </i>
<i>34</i>	<i>MW-45dd</i>	<i>↓</i>			<i> </i>
<i>35</i>	<i>MW-34dd</i>	<i>12-10-19</i>			<i>↓</i>
<i>36</i>	<i>MW-12d</i>	<i> </i>			<i>CHLORIDE, BTEX</i>
<i>37</i>	<i>MW-26d</i>	<i> </i>			<i> </i>
<i>38</i>	<i>MW-34d</i>	<i> </i>			<i> </i>
<i>39</i>	<i>MW-1d</i>	<i> </i>			<i>↓</i>
<i>40</i>	<i>MW-22d</i>	<i>↓</i>			<i>CHLORIDE, BTEX + 4</i>
<i>41</i>	<i>MW-13S</i>	<i>12-11-19</i>			<i>CHLORIDE, BTEX</i>
<i>42</i>	<i>MW-21d</i>	<i>↓</i>		<i>↓</i>	<i>↓</i>

BILL TO:

LAMBDA ENERGY

REPORT TO:

JEFF SIMSA

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature]

12-11-19

[Signature]

12/11/19 3:05

406 RECEIVED

REQUESTED TAT

☒ STANDARD

☐ 1 BUSINESS DAY

☐ 2 BUSINESS DAYS

☐ 3 BUSINESS DAYS