

**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: 030123-4

Site Addr: WHITEWATER 32 CPF

Sampled By: JOSHUA GERRIE/GCES

Date Rec: 3/1/2023

Time Rec: 2:50 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	PUMP BLANK	2/27/2023		WATER
2	MW-19D	2/27/2023		WATER
3	MW-30DDD	2/27/2023		WATER
4	MW-35DD	2/27/2023		WATER
5	MW-48DD	2/28/2023		WATER
6	MW-37DD	2/28/2023		WATER
7	MW-43DD	2/28/2023		WATER
8	MW-44DD	2/28/2023		WATER
9	MW-29DD	2/28/2023		WATER
10	MW-51D	3/1/2023		WATER
11	MW-50D	3/1/2023		WATER
12	MW-34D	3/1/2023		WATER
13	MW-49D	3/1/2023		WATER
14	MW-34DD	3/1/2023		WATER
15	MW-19DD	3/1/2023		WATER
16	MW-18D	2/27/2023	9:25 AM	WATER
17	MW-22D	2/27/2023	10:30 AM	WATER
18	MW-12S	2/27/2023	10:40 AM	WATER
19	MW-31D	2/27/2023	11:35 AM	WATER
20	MW-32D	2/27/2023	12:25 PM	WATER
21	MW-10S	2/27/2023	12:50 PM	WATER
22	MW-14D	2/27/2023	1:50 PM	WATER
23	MW-16S	2/28/2023	9:00 AM	WATER
24	MW-9	2/28/2023	9:30 AM	WATER
25	MW-46DD	2/28/2023	9:30 AM	WATER
26	MW-41DD	2/28/2023	12:35 PM	WATER
27	MW-45DD	2/28/2023	1:45 PM	WATER
28	MW-42DD	2/28/2023	2:45 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: PUMP BLANK

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 1
DATE SAMPLED: 2/27/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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		3/3/2023	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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-19D

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 2
DATE SAMPLED: 2/27/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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		3/4/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	970	10					
Xylene(Total)	2,600	21					
1,2,4-Trimethylbenzene	190	10					
1,3,5-Trimethylbenzene	52	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-51D

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 10
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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		3/3/2023	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-50D

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 11
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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		3/3/2023	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-34D

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 12
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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	3.7	1.0	ug/L (PPB)	MR		3/4/2023	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: 030123-4
GTA SAMPLE NO: 13
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/GCES

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	2.2	1.0	ug/L (PPB)	MR		3/4/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.4	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	1.5	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 17
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 10:30 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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	1.1	1.0	ug/L (PPB)	MR		3/4/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	4.3	1.0					
Xylene(Total)	130	3.0					
1,2,4-Trimethylbenzene	170	1.0					
1,3,5-Trimethylbenzene	25	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-12S

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 18
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 10:40 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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		3/4/2023	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-31D

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 19
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 11:35 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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	1.0	ug/L (PPB)	MR		3/4/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	94	1.0					
Xylene(Total)	11	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-32D

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 20
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 12:25 PM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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	8.3	1.0	ug/L (PPB)	MR		3/4/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	3.3	1.0					
Xylene(Total)	37	3.0					
1,2,4-Trimethylbenzene	24	1.0					
1,3,5-Trimethylbenzene	5.0	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: 030123-4
GTA SAMPLE NO: 21
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 12:50 PM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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		3/4/2023	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-14D

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 22
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 1:50 PM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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		3/4/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	850	25					
Xylene(Total)	2,300	51					
1,2,4-Trimethylbenzene	120	1.0					
1,3,5-Trimethylbenzene	30	1.0					
Naphthalene	5.1	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-16S

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 23
DATE SAMPLED: 2/28/2023
TIME SAMPLED: 9:00 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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	14	5.0	ug/L (PPB)	MR		3/4/2023	EPA 5030B
Toluene	420	5.0					
Ethylbenzene	290	5.0					
Xylene(Total)	1,100	15					

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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: 030123-4
GTA SAMPLE NO: 24
DATE SAMPLED: 2/28/2023
TIME SAMPLED: 9:30 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 PM
SAMPLED BY: JOSHUA GERRIE/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		3/4/2023	EPA 3020A
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 2
DATE SAMPLED: 2/27/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-19D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 3
DATE SAMPLED: 2/27/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-30DDD CHLORIDE EPA 300.0	38	10	mg/L (PPM)	KC/TR	3/7/2023	WATER

ND = NOT DETECTED, RESULT < LOD
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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: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 4
DATE SAMPLED: 2/27/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-35DD CHLORIDE EPA 300.0	440	20	mg/L (PPM)	KC/TR	3/7/2023	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 5
DATE SAMPLED: 2/28/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-48DD							
CHLORIDE EPA 300.0		89	10	mg/L (PPM)	KC/TR	3/7/2023	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 6
DATE SAMPLED: 2/28/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-37DD						
	CHLORIDE EPA 300.0	290	10	mg/L (PPM)	KC/TR	3/7/2023	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 7
DATE SAMPLED: 2/28/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-43DD						
	CHLORIDE EPA 300.0	220	10	mg/L (PPM)	KC/TR	3/7/2023	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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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 8
DATE SAMPLED: 2/28/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-44DD CHLORIDE EPA 300.0	490	20	mg/L (PPM)	KC/TR	3/7/2023	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 9
DATE SAMPLED: 2/28/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-29DD							
CHLORIDE EPA 300.0		440	20	mg/L (PPM)	KC/TR	3/7/2023	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 10
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-51D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 11
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-50D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 12
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-34D CHLORIDE EPA 300.0	20	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 13
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-49D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 14
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-34DD						
	CHLORIDE EPA 300.0	350	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 15
DATE SAMPLED: 3/1/2023
TIME SAMPLED:
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-19DD CHLORIDE EPA 300.0	110	10	mg/L (PPM)	KC/TR	3/7/2023	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:	030123-4
PROJECT NO:	2018100140.01	GTA SAMPLE NO:	16
LOCATION:	WHITEWATER 32 CPF	DATE SAMPLED:	2/27/2023
		TIME SAMPLED:	9:25 AM
		DATE RECEIVED:	3/1/2023
		TIME RECEIVED:	2:50 PM
	MI		
SAMPLED BY:	JOSHUA GERRIE/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	15	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 17
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 10:30 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-22D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	3/7/2023	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: 030123-4

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 18

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 2/27/2023

TIME SAMPLED: 10:40 AM

DATE RECEIVED: 3/1/2023

TIME RECEIVED: 2:50 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-12S

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

32

10

mg/L (PPM)

KC/TR

3/7/2023

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 19
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 11:35 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-31D						
	CHLORIDE EPA 300.0	35	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 20
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 12:25 PM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-32D						
	CHLORIDE EPA 300.0	52	10	mg/L (PPM)	KC/TR	3/7/2023	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: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 21
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 12:50 PM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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	22	10	mg/L (PPM)	KC/TR	3/7/2023	WATER
	CONDUCTIVITY SM2510-B	440	1.0	uS/cm@25C	TR	3/6/2023	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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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 22
DATE SAMPLED: 2/27/2023
TIME SAMPLED: 1:50 PM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-14D							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	3/7/2023	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 23
DATE SAMPLED: 2/28/2023
TIME SAMPLED: 9:00 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-16S CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	3/7/2023	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 24
DATE SAMPLED: 2/28/2023
TIME SAMPLED: 9:30 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-9						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	3/7/2023	WATER

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 25
DATE SAMPLED: 2/28/2023
TIME SAMPLED: 9:30 AM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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-46DD						
	CHLORIDE EPA 300.0	21	10	mg/L (PPM)	KC/TR	3/7/2023	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: 030123-4

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 26

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 2/28/2023

TIME SAMPLED: 12:35 PM

DATE RECEIVED: 3/1/2023

TIME RECEIVED: 2:50 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-41DD

CHLORIDE EPA 300.0

Concentration

220

LOD

10

Units

mg/L (PPM)

Analyst

KC/TR

Date Completed

3/7/2023

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
PROJECT NO: 2018100140.01
LOCATION: WHITEWATER 32 CPF
MI
SAMPLED BY: JOSHUA GERRIE/GCES

GTA PROJECT NO: 030123-4
GTA SAMPLE NO: 27
DATE SAMPLED: 2/28/2023
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 3/1/2023
TIME RECEIVED: 2:50 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	620	50	mg/L (PPM)	KC/TR	3/7/2023	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: 030123-4

PROJECT NO: 2018100140.01

GTA SAMPLE NO: 28

LOCATION: WHITEWATER 32 CPF

DATE SAMPLED: 2/28/2023

TIME SAMPLED: 2:45 PM

DATE RECEIVED: 3/1/2023

TIME RECEIVED: 2:50 PM

MI

SAMPLED BY: JOSHUA GERRIE/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-42DD

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

440

20

mg/L (PPM)

KC/TR

3/7/2023

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 2018100140.01	SITE NAME/ADDRESS Whitewater 32 CPF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Joshua Gervie	COMPANY Gosling Czubak	GTA PROJECT # 030123-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	Pump Blank	2-27-23		W	BTEX
2	MW-19D			GW	BTEX+4 + Chloride
3	MW-30DD				Chloride
4	MW-35DD				
5	MW-48DD	2-28-23			
6	MW-37DD				
7	MW-43DD				
8	MW-44DD				
9	MW-29DD				
10	MW-51D	3-1-23			BTEX + Chloride
11	MW-50D				
12	MW-34D				
13	MW-49D				BTEX+4 + Chloride
14	MW-34DD				Chloride
15	MW-19DD				

BILL TO:

TempRec: ☐

On Ice? ☒ ☐

REPORT TO:

Lambda Energy Resources

0.50

Jeff Simsa

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

3-1-23 / 1450

3/1/23 1450

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

2012

CHAIN OF CUSTODY

PROJECT NUMBER 2018100140.01	SITE NAME/ADDRESS Whitewater 32	COMPANY/NAME LER
SAMPLED BY DJT	COMPANY GCES	GTA PROJECT # 030123-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	MW-180	2/27/23	9 25	GW	CI ⁻
17	MW-220		10 30		BTEX + 4, CI ⁻
18	MW-125		10 40		BTEX, CI ⁻
19	MW-310		11 35		BTEX, CI ⁻
20	MW-320		12 25		BTEX + 4, CI ⁻
21	MW-105		12 50		*BTEX, CI ⁻ , Sp. Cond.
22	MW-140		13 50		BTEX + 4, CI ⁻
23	MW-165		2/28/23 9 00		BTEX, CI ⁻
24	MW-9		9 30		BTEX, CI ⁻
25	MW-460D		11 20		CI ⁻
26	MW-410D		12 35		CI ⁻
27	MW-450D		13 45		CI ⁻
28	MW-420D		14 45		CI ⁻

BILL TO:

Lambda

TempRec: ☐

0.50

On Ice? ☒ Y ☐ N

REPORT TO:

J. Simsa

RELEASED BY

DATE/TIME

David J. Simsa 3-1-23 / 1450

RECEIVED BY

DATE/TIME

[Signature] 3/1/23 1450

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