

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: LAMBDA ENERGY RESOURCES, LLC

Name:

ClientProj: 20-120

GTA ProjNo: 031822-3

Site Addr: COLD SPRINGS 29A

Sampled By: WPM/OMPC

Date Rec: 3/18/2022

Time Rec: 2:20 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2D	3/17/2022	12:35 PM	WATER
2	MW-3	3/16/2022	1:35 PM	WATER
3	MW-14A	3/16/2022	2:15 PM	WATER
4	MW-14B	3/16/2022	3:35 PM	WATER
5	MW-14C	3/16/2022	3:05 PM	WATER
6	MW-14D	3/16/2022	2:30 PM	WATER
7	MW-15A	3/17/2022	10:55 AM	WATER
8	MW-15D	3/17/2022	11:15 AM	WATER
9	MW-16A	3/17/2022	11:45 AM	WATER
10	MW-16C	3/17/2022	12:00 PM	WATER
11	MW-17-70	3/16/2022	12:45 PM	WATER
12	MW-17-83	3/16/2022	1:40 PM	WATER
13	MW-18-70	3/17/2022	1:05 PM	WATER
14	MW-19-35	3/16/2022	2:55 PM	WATER
15	MW-19-55	3/16/2022	3:50 PM	WATER
16	MW-20-55	3/17/2022	2:30 PM	WATER
17	MW-20-69	3/17/2022	2:00 PM	WATER
18	EW-2	3/17/2022	1:00 PM	WATER
19	EW-5	3/17/2022	1:40 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
830 Robinwood Court
Traverse City, MI 49686
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kirk@gtanalytical.com

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PH: 231-929-0905

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2D

GTA PROJECT NO: 031822-3
GTA SAMPLE NO: 1
DATE SAMPLED: 3/17/2022
TIME SAMPLED: 12:35 PM
DATE RECEIVED: 3/18/2022
TIME RECEIVED: 2:20 PM
SAMPLED BY: WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	2
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/16/2022
		TIME SAMPLED:	1:35 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-3	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-14A

GTA PROJECT NO: 031822-3
GTA SAMPLE NO: 3
DATE SAMPLED: 3/16/2022
TIME SAMPLED: 2:15 PM
DATE RECEIVED: 3/18/2022
TIME RECEIVED: 2:20 PM
SAMPLED BY: WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-14B

GTA PROJECT NO: 031822-3
GTA SAMPLE NO: 4
DATE SAMPLED: 3/16/2022
TIME SAMPLED: 3:35 PM
DATE RECEIVED: 3/18/2022
TIME RECEIVED: 2:20 PM
SAMPLED BY: WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	5
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/16/2022
		TIME SAMPLED:	3:05 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-14C	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	6
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/16/2022
		TIME SAMPLED:	2:30 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-14D	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	7
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/17/2022
		TIME SAMPLED:	10:55 AM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-15A	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-15D

GTA PROJECT NO: 031822-3
GTA SAMPLE NO: 8
DATE SAMPLED: 3/17/2022
TIME SAMPLED: 11:15 AM
DATE RECEIVED: 3/18/2022
TIME RECEIVED: 2:20 PM
SAMPLED BY: WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	9
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/17/2022
		TIME SAMPLED:	11:45 AM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-16A	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-16C

GTA PROJECT NO: 031822-3
GTA SAMPLE NO: 10
DATE SAMPLED: 3/17/2022
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 3/18/2022
TIME RECEIVED: 2:20 PM
SAMPLED BY: WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	11
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/16/2022
		TIME SAMPLED:	12:45 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-17-70	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	12
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/16/2022
		TIME SAMPLED:	1:40 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-17-83	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	13
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/17/2022
		TIME SAMPLED:	1:05 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-18-70	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	14
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/16/2022
		TIME SAMPLED:	2:55 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-19-35	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

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LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	15
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/16/2022
		TIME SAMPLED:	3:50 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-19-55	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	16
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/17/2022
		TIME SAMPLED:	2:30 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-20-55	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	17
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/17/2022
		TIME SAMPLED:	2:00 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-20-69	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	18
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/17/2022
		TIME SAMPLED:	1:00 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	EW-2	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	99	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	1,600	25.0					
Ethylbenzene	1,900	25.0					
Xylene(Total)	4,100	75.0					
1,2,4-Trimethylbenzene	440	25.0					
1,3,5-Trimethylbenzene	96	1.0					
Naphthalene	5.9	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	031822-3
PROJECT NO:	20-120	GTA SAMPLE NO:	19
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/17/2022
		TIME SAMPLED:	1:40 PM
		DATE RECEIVED:	3/18/2022
	MI	TIME RECEIVED:	2:20 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	EW-5	SAMPLED BY:	WPM/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		3/20/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

**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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 1

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 12:35 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-2D

CHLORIDE EPA 300.0

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

ND

10

mg/L (PPM)

TR

3/23/2022

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 2

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/16/2022

TIME SAMPLED: 1:35 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

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

SAMPLE ID: MW-3

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 3

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/16/2022

TIME SAMPLED: 2:15 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-14A

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 4

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/16/2022

TIME SAMPLED: 3:35 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

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

SAMPLE ID: MW-14B

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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

GTA PROJECT NO: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 5

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/16/2022

TIME SAMPLED: 3:05 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

SAMPLED BY: MI
WPM/OMPC**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</u>
	SAMPLE ID: MW-14C	39	10	mg/L (PPM)	TR	3/23/2022	WATER
	CHLORIDE EPA 300.0						

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: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: WPM/OMPC

GTA PROJECT NO: 031822-3
GTA SAMPLE NO: 6
DATE SAMPLED: 3/16/2022
TIME SAMPLED: 2:30 PM
DATE RECEIVED: 3/18/2022
TIME RECEIVED: 2:20 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</u>
SAMPLE ID: MW-14D							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	TR	3/23/2022	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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 7

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 10:55 AM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-15A

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 8

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 11:15 AM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-15D

CHLORIDE EPA 300.0

Concentration

25

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 9

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 11:45 AM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

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

SAMPLE ID: MW-16A

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 10

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 12:00 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

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

SAMPLE ID: MW-16C

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 11

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/16/2022

TIME SAMPLED: 12:45 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-17-70

CHLORIDE EPA 300.0

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

ND

10

mg/L (PPM)

TR

3/23/2022

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 12

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/16/2022

TIME SAMPLED: 1:40 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-17-83

CHLORIDE EPA 300.0

Concentration

20

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 13

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 1:05 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

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

SAMPLE ID: MW-18-70

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 14

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/16/2022

TIME SAMPLED: 2:55 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

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

SAMPLE ID: MW-19-35

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 15

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/16/2022

TIME SAMPLED: 3:50 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

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

SAMPLE ID: MW-19-55

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 16

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 2:30 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

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

SAMPLE ID: MW-20-55

CHLORIDE EPA 300.0

Concentration

400

LOD

20

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/23/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 17

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 2:00 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-20-69

CHLORIDE EPA 300.0

Concentration

1,200

LOD

50

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/24/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 18

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: EW-2

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

3/24/2022

Sample

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: 031822-3

PROJECT NO: 20-120

GTA SAMPLE NO: 19

LOCATION: COLD SPRINGS 29A

DATE SAMPLED: 3/17/2022

TIME SAMPLED: 1:40 PM

DATE RECEIVED: 3/18/2022

TIME RECEIVED: 2:20 PM

MI

SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS**No: Analysis****Concentration****LOD****Units****Analyst****Date Completed****Sample**

SAMPLE ID: EW-5

CHLORIDE EPA 300.0

ND

10

mg/L (PPM)

TR

3/24/2022

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

1 of 2

CHAIN OF CUSTODY

PROJECT NUMBER 20-120	SITE NAME/ADDRESS Coldsprings 29A	COMPANY/NAME Lambda
SAMPLED BY WPM	COMPANY CMPC	GTA PROJECT # 031822-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-2D	3-17-22	1235	H ₂ O	HIPs Chlorides
2	MW-3	3-16-22	1335		
3	MW-14A	3-16-22	1415		
4	MW-14B	3-16-22	1535		
5	MW-14C	3-16-22	1505		
6	MW-14D	3-16-22	1430		
7	MW-15A	3-17-22	1055		
8	MW-15D	3-17-22	1115		
9	MW-16A	3-17-22	1145		
10	MW-16C	3-17-22	1200		
11	MW-17-80	3-16-22	1245		
12	MW-17-83	3-16-22	1340		
13	MW-18-70	3-17-22	1305		
14	MW-19-35	3-16-22	1455		
15	MW-19-55	3-16-22	1550	✓	✓

BILL TO:	TempRec: ☐ 2.1°C	On Ice? ☒ Y ☐ N	REPORT TO: Dan Barton
----------	--	--	---------------------------------

RELEASED BY [Signature]	DATE/TIME 3-11-22 1420	RECEIVED BY [Signature]	DATE/TIME 3/18/22 1420
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REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS

2 of 2

CHAIN OF CUSTODY

PROJECT NUMBER 20-120	SITE NAME/ADDRESS Coldsprings 29A	COMPANY/NAME Lambda
SAMPLED BY WPM	COMPANY OMPC	GTA PROJECT # 031822-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	MW-20-55	3-17-22	1430	H ₂ O	HIPs, Chlorides
17	MW-20-69	↓	1400	↓	↓
18	EW-2	↓	1300	↓	↓
19	EW-5	↓	1340	↓	↓

BILL TO:	TempRec: ☐ 2.1°C	On Ice? ☒ Y ☐ N	REPORT TO: Dan Burton
RELEASED BY [Signature]	DATE/TIME 3-18-22 1420	RECEIVED BY [Signature]	DATE/TIME 3/18/22 1420
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			