

**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: 032621-3

Site Addr: COLD SPRINGS 29A

Sampled By: SEAN CLARK/OMPC

Date Rec: 3/26/2021

Time Rec: 11:00 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2D	3/25/2021	4:00 PM	WATER
2	MW-3	3/25/2021	11:30 AM	WATER
3	MW-14A	3/25/2021	2:02 PM	WATER
4	MW-14B	3/25/2021	1:53 PM	WATER
5	MW-14C	3/25/2021	1:40 PM	WATER
6	MW-14D	3/25/2021	1:15 PM	WATER
7	MW-15A	3/25/2021	4:58 PM	WATER
8	MW-15D	3/25/2021	5:22 PM	WATER
9	MW-16A	3/25/2021	3:00 PM	WATER
10	MW-16C	3/25/2021	3:33 PM	WATER
11	MW-17-70	3/25/2021	12:12 PM	WATER
12	MW-17-83	3/25/2021	12:49 PM	WATER
13	MW-18-70	3/25/2021	4:32 PM	WATER
14	MW-19-35	3/25/2021	2:34 PM	WATER
15	MW-20-55	3/25/2021	11:11 AM	WATER
16	MW-20-69	3/25/2021	10:42 AM	WATER
17	EW-2	3/25/2021	4:44 PM	WATER
18	EW-5	3/25/2021	4:36 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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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2D

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 1
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 4:00 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 2
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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: 032621-3
GTA SAMPLE NO: 3
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 2:02 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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: 032621-3
GTA SAMPLE NO: 4
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 1:53 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	5
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	1:40 PM
		DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-14C	SAMPLED BY:	SEAN CLARK/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		3/27/2021	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:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	6
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	1:15 PM
		DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-14D	SAMPLED BY:	SEAN CLARK/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		3/27/2021	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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ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	7
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	4:58 PM
		DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-15A	SAMPLED BY:	SEAN CLARK/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		3/27/2021	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: 032621-3
GTA SAMPLE NO: 8
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 5:22 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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-16A

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 9
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	10
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	3:33 PM
		DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-16C	SAMPLED BY:	SEAN CLARK/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		3/27/2021	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:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	11
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	12:12 PM
		DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-17-70	SAMPLED BY:	SEAN CLARK/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		3/27/2021	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-17-83

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 12
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 12:49 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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	GTA PROJECT NO:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	13
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	4:32 PM
		DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-18-70	SAMPLED BY:	SEAN CLARK/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		3/27/2021	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-19-35

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 14
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 2:34 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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-20-55

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 15
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 11:11 AM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-20-69

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 16
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 10:42 AM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM
SAMPLED BY: SEAN CLARK/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		3/27/2021	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:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	17
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	4:44 PM
		DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	EW-2	SAMPLED BY:	SEAN CLARK/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	300	25	ug/L (PPB)	MR		3/28/2021	EPA 5030B
Toluene	800	25					
Ethylbenzene	2,100	25					
Xylene(Total)	6,100	75					
1,2,4-Trimethylbenzene	410	25					
1,3,5-Trimethylbenzene	93	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:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	18
LOCATION:	COLD SPRINGS 29A	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	4:36 PM
		DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	EW-5	SAMPLED BY:	SEAN CLARK/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	1.7	1.0	ug/L (PPB)	MR		3/28/2021	EPA 5030B
Toluene	130	5.0					
Ethylbenzene	290	5.0					
Xylene(Total)	780	15					
1,2,4-Trimethylbenzene	50	1.0					
1,3,5-Trimethylbenzene	7.0	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION



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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	1
LOCATION:	COLD SPRINGS 29A	DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLED BY:	SEAN CLARK/OMPC	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	4:00 PM
SAMPLE ID:	MW-2D	SAMPLE MATRIX:	WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021
CONDUCTIVITY SM2510-B	270	1.0	uS/cm@25C	TR	3/28/2021

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	GTA PROJECT NO:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	2
LOCATION:	COLD SPRINGS 29A	DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLED BY:	SEAN CLARK/OMPC	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	11:30 AM
SAMPLE ID:	MW-3	SAMPLE MATRIX:	WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021
CONDUCTIVITY SM2510-B	510	1.0	uS/cm@25C	TR	3/28/2021

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

DISS = DISSOLVED



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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	3
LOCATION:	COLD SPRINGS 29A	DATE RECEIVED:	3/26/2021
		TIME RECEIVED:	11:00 AM
	MI	DATE SAMPLED:	3/25/2021
SAMPLED BY:	SEAN CLARK/OMPC	TIME SAMPLED:	2:02 PM
SAMPLE ID:	MW-14A	SAMPLE MATRIX:	WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021
CONDUCTIVITY SM2510-B	290	1.0	uS/cm@25C	TR	3/28/2021

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LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED



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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	4
LOCATION:	COLD SPRINGS 29A	DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLED BY:	SEAN CLARK/OMPC	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	1:53 PM
SAMPLE ID:	MW-14B	SAMPLE MATRIX:	WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021
CONDUCTIVITY SM2510-B	440	1.0	uS/cm@25C	TR	3/28/2021

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DISS = DISSOLVED



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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	032621-3
PROJECT NO:	20-120	GTA SAMPLE NO:	5
LOCATION:	COLD SPRINGS 29A	DATE RECEIVED:	3/26/2021
	MI	TIME RECEIVED:	11:00 AM
SAMPLED BY:	SEAN CLARK/OMPC	DATE SAMPLED:	3/25/2021
		TIME SAMPLED:	1:40 PM
SAMPLE ID:	MW-14C	SAMPLE MATRIX:	WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021
CONDUCTIVITY SM2510-B	400	1.0	uS/cm@25C	TR	3/28/2021

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LOD = LIMIT OF DETECTION

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DISS = DISSOLVED

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PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 6
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 1:15 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	480	1.0	uS/cm@25C	TR	3/28/2021	WATER

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PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 7
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 4:58 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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-15A						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	300	1.0	uS/cm@25C	TR	3/28/2021	WATER

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PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 8
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 5:22 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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-15D						
	CHLORIDE EPA 300.0	22	10	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	1,000	1.0	uS/cm@25C	TR	3/28/2021	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-120

LOCATION: COLD SPRINGS 29A

GTA PROJECT NO: 032621-3

GTA SAMPLE NO: 9

DATE SAMPLED: 3/25/2021

TIME SAMPLED: 3:00 PM

DATE RECEIVED: 3/26/2021

TIME RECEIVED: 11:00 AM

MI

SAMPLED BY: SEAN CLARK/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-16A

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

ND

770

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

TR

TR

Date Completed

3/28/2021

3/28/2021

Sample Matrix

WATER

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

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PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 10
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 3:33 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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-16C						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	460	1.0	uS/cm@25C	TR	3/28/2021	WATER

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PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 11
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 12:12 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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-17-70						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	410	1.0	uS/cm@25C	TR	3/28/2021	WATER

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DISS = DISSOLVED

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-120

LOCATION: COLD SPRINGS 29A

GTA PROJECT NO: 032621-3

GTA SAMPLE NO: 12

DATE SAMPLED: 3/25/2021

TIME SAMPLED: 12:49 PM

DATE RECEIVED: 3/26/2021

TIME RECEIVED: 11:00 AM

MI

SAMPLED BY: SEAN CLARK/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-17-83

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

20

590

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

TR

TR

Date Completed

3/28/2021

3/28/2021

Sample Matrix

WATER

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

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 13
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 4:32 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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-18-70						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	410	1.0	uS/cm@25C	TR	3/28/2021	WATER

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DISS = DISSOLVED

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 14
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 2:34 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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-19-35						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	400	1.0	uS/cm@25C	TR	3/28/2021	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 15
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 11:11 AM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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-20-55						
	CHLORIDE EPA 300.0	450	50	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	2,200	1.0	uS/cm@25C	TR	3/28/2021	WATER

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DISS = DISSOLVED

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 16
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 10:42 AM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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-20-69						
	CHLORIDE EPA 300.0	1,300	50	uS/cm@25C	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	4,200	1.0	uS/cm@25C	TR	3/28/2021	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 17
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 4:44 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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: EW-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	420	1.0	uS/cm@25C	TR	3/28/2021	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: 20-120
LOCATION: COLD SPRINGS 29A
MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 032621-3
GTA SAMPLE NO: 18
DATE SAMPLED: 3/25/2021
TIME SAMPLED: 4:36 PM
DATE RECEIVED: 3/26/2021
TIME RECEIVED: 11:00 AM

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: EW-5						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	3/28/2021	WATER
	CONDUCTIVITY SM2510-B	480	1.0	uS/cm@25C	TR	3/28/2021	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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CHAIN OF CUSTODY

10/2

PROJECT NUMBER 20-120	SITE NAME/ADDRESS Cold Springs 29A	COMPANY/NAME Lambda
SAMPLED BY Sean Clark	COMPANY Otwell Mawby	GTA PROJECT # 032621-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-2D	3/25/2021	4:00pm	Water	BTEX, HPIs, Conductivity
2	MW-3		11:30am		
3	MW-14A		2:02pm		
4	MW-14B		1:53pm		
5	MW-14C		1:40pm		
6	MW-14D		1:15pm		
7	MW-15A		4:58pm		
8	MW-15D		5:22pm		
9	MW-16A		3:00pm		
10	MW-16C		3:33pm		
11	MW-17-70		12:12pm		
12	MW-17-83		12:49pm		
13	MW-18-70		4:32pm		
14	MW-19-35		2:34pm		
15	MW-20-55		11:11am		

BILL TO:

Lambda

REPORT TO:

Otwell Mawby

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

Sean Clark 3/26/21 11am

R. Mawby 3/26/21 11am

Re 29C on 11/2

REQUESTED TAT

☒ **STANDARD**

☐ **1 BUSINESS DAY**

☐ **2 BUSINESS DAYS**

☐ **3 BUSINESS DAYS**

INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

CHAIN OF CUSTODY

PROJECT NUMBER 20-120	SITE NAME/ADDRESS Cold Springs 29A	COMPANY/NAME Lambda
SAMPLED BY Sean Clark	COMPANY Otwell Mawby	GTA PROJECT # 032621-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	MW-20-69	3/25/2021	10:42am	Water	BTEX, HIPS, Conductivity
17	EW-2	↓	4:44pm	↓	↓ ↓ ↓
18	EW-5	↓	4:36pm	↓	↓ ↓ ↓

BILL TO:

Lambda

REPORT TO:

Otwell Mawby

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

Sean Clark 3/24/21 11am

K. Clark 3/24/21 11am

See 28 driver

REQUESTED TAT

☒ **STANDARD**

☐ **1 BUSINESS DAY**

☐ **2 BUSINESS DAYS**

☐ **3 BUSINESS DAYS**