

**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: 20-123

GTA ProjNo: 012822-1

Site Addr: RICCI 1-19

Sampled By: WPM/SH - OMPC

Date Rec: 1/28/2022

Time Rec: 12:10 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	1/27/2022	11:50 AM	WATER
2	MW-3	1/27/2022	12:10 PM	WATER
3	MW-12	1/27/2022	11:30 AM	WATER
4	MW-16	1/27/2022	10:00 AM	WATER
5	MW-18	1/27/2022	10:55 AM	WATER
6	MW-21	1/27/2022	12:30 PM	WATER
7	MW-22	1/27/2022	12:50 PM	WATER
8	MW-23	1/27/2022	2:48 PM	WATER
9	MW-24	1/27/2022	3:30 PM	WATER
10	MW-25	1/27/2022	3:45 PM	WATER
11	MW-26	1/27/2022	4:00 PM	WATER
12	MW-27	1/27/2022	3:12 PM	WATER
13	MW-29	1/27/2022	1:15 PM	WATER
14	MW-30	1/27/2022	4:30 PM	WATER
15	MW-31	1/27/2022	2:22 PM	WATER
16	MW-32	1/27/2022	1:55 PM	WATER
17	MW-33	1/27/2022	1:35 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
Ph: 231-929-0905
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kirk@gtanalytical.com

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 1
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 11:50 AM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-3

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 2
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 12:10 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-12

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 3
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-16

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 4
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 10:00 AM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-18

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 5
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 10:55 AM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-21

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 6
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 12:30 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-22

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 7
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 12:50 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	2.2	1.0					
Xylene(Total)	11	3.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-23

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 8
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 2:48 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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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PROJECT NO: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-24

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 9
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 3:30 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-25

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 10
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 3:45 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-26

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 11
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 4:00 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-27

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 12
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 3:12 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-29

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 13
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 1:15 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.8	1.0					
Xylene(Total)	18	3.0					
1,2,4-Trimethylbenzene	21	1.0					
1,3,5-Trimethylbenzene	10	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	012822-1
PROJECT NO:	20-123	GTA SAMPLE NO:	14
LOCATION:	RICCI 1-19	DATE SAMPLED:	1/27/2022
		TIME SAMPLED:	4:30 PM
		DATE RECEIVED:	1/28/2022
	MI	TIME RECEIVED:	12:10 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-30	SAMPLED BY:	WPM/SH - 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		1/31/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION



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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-31

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 15
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 2:22 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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LOD = LIMIT OF DETECTION

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-32

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 16
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 1:55 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	EPA 5030B
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: 20-123
LOCATION: RICCI 1-19
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-33

GTA PROJECT NO: 012822-1
GTA SAMPLE NO: 17
DATE SAMPLED: 1/27/2022
TIME SAMPLED: 1:35 PM
DATE RECEIVED: 1/28/2022
TIME RECEIVED: 12:10 PM
SAMPLED BY: WPM/SH - 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		1/31/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC

PROJECT NO: 20-123

LOCATION: RICCI 1-19

GTA PROJECT NO: 012822-1

GTA SAMPLE NO: 5

DATE SAMPLED: 1/27/2022

TIME SAMPLED: 10:55 AM

DATE RECEIVED: 1/28/2022

TIME RECEIVED: 12:10 PM

SAMPLED BY: MI
WPM/SH - 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 Matrix</u>
	SAMPLE ID: MW-18						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	2/2/2022	WATER
	CONDUCTIVITY SM2510-B	260	1.0	uS/cm@25C	TR	2/2/2022	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED

1 of 2

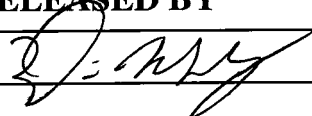
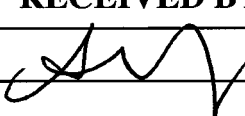
CHAIN OF CUSTODY

PROJECT NUMBER 20-123	SITE NAME/ADDRESS Rica 1-19	COMPANY/NAME Lambda
SAMPLED BY WPM/SH	COMPANY OMPC	GTA PROJECT # 012822-1

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-2	1-27-22	1150	H ₂ O	BTEX
2	MW-3		1210		
3	MW-12		1130		
4	MW-16		1000		
5	MW-18		1055		BTEX, Chlorides + Conductivity
6	MW-21		1230		BTEX HIPs
7	MW-22		1250		BTEX
8	MW-23		1448		HIPs
9	MW-24		1530		BTEX
10	MW-25		1545		HIPs
11	MW-26		1600		BTEX
12	MW-27		1512		BTEX
13	MW-29		1315		HIPs
14	MW-30		1630		BTEX
15	MW-31		1422		

BILL TO:	TempRec: ☐ 1.0°C	On Ice? ☒ Y N	REPORT TO: Dan Barton
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RELEASED BY 	DATE/TIME 1-28-22 1210	RECEIVED BY 	DATE/TIME 1/28/22 1210
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REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS

2 of 2

CHAIN OF CUSTODY

PROJECT NUMBER 20-123	SITE NAME/ADDRESS Rica 1-19	COMPANY/NAME Lambda
SAMPLED BY WPM/SH	COMPANY OMPC	GTA PROJECT # 012822-1

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
6	MW-32	1-27-22	1355	H ₂ O	BTEX
17	MW-33	↓	1335	↓	↓

BILL TO:	TempRec: ☐ On Ice? ☒ 1.0°C	REPORT TO: Dan Barton
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RELEASED BY [Signature]	DATE/TIME 1-28-22 1210	RECEIVED BY [Signature]	DATE/TIME 1/28/22 1210

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