



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: 2018100104.01
GTA ProjNo: 061824-3

Site Addr: BEAR LAKE 13 CPF

Sampled By: T. ACKLER/GCES
Date Rec: 6/18/2024
Time Rec: 9:00 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-22S	6/17/2024	2:13 PM	WATER
2	MW-43	6/17/2024	1:57 PM	WATER
3	MW-6	6/17/2024	3:32 PM	WATER
4	MW-11	6/17/2024	3:06 PM	WATER
5	MW-47	6/17/2024	1:10 PM	WATER
6	MW-37	6/17/2024	1:45 PM	WATER
7	MW-33	6/17/2024	1:05 PM	WATER
8	MW-46	6/17/2024	2:30 PM	WATER
9	MW-1	6/17/2024	3:26 PM	WATER
10	SB-TB-9 (TW)	6/17/2024	2:50 PM	WATER
11	SUMP	6/17/2024	3:45 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
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100104.01
LOCATION: BEAR LAKE 13 CPF
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-22S

GTA PROJECT NO: 061824-3
GTA SAMPLE NO: 1
DATE SAMPLED: 6/17/2024
TIME SAMPLED: 2:13 PM
DATE RECEIVED: 6/18/2024
TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	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: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-43

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 2
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 1:57 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	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: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-6

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 3
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 3:32 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	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: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-11

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 4
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 3:06 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	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: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-47

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 5
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 1:10 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	1.8	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: 2018100104.01

LOCATION: BEAR LAKE 13 CPF

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-37

GTA PROJECT NO: 061824-3

GTA SAMPLE NO: 6

DATE SAMPLED: 6/17/2024

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 6/18/2024

TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	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	GTA PROJECT NO:	061824-3
PROJECT NO:	2018100104.01	GTA SAMPLE NO:	7
LOCATION:	BEAR LAKE 13 CPF	DATE SAMPLED:	6/17/2024
		TIME SAMPLED:	1:05 PM
	MI	DATE RECEIVED:	6/18/2024
		TIME RECEIVED:	9:00 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-33	SAMPLED BY:	T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	15	3.0					
1,2,4-Trimethylbenzene	26	1.0					
1,3,5-Trimethylbenzene	3.6	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-46

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 8
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 2:30 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	19	3.0					
1,2,4-Trimethylbenzene	50	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: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-1

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 9
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 3:26 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	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
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: SB-TB-9 (TW)

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 10
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 2:50 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	18	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



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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: SUMP

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 11
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 3:45 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

SAMPLED BY: T. ACKLER/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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		6/19/2024	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: 2018100104.01
LOCATION: BEAR LAKE 13 CPF

GTA PROJECT NO: 061824-3
GTA SAMPLE NO: 1

DATE SAMPLED: 6/17/2024
TIME SAMPLED: 2:13 PM
DATE RECEIVED: 6/18/2024
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: T. ACKLER/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-22S CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	6/20/2024	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: 2018100104.01

LOCATION: BEAR LAKE 13 CPF

GTA PROJECT NO: 061824-3

GTA SAMPLE NO: 3

DATE SAMPLED: 6/17/2024

TIME SAMPLED: 3:32 PM

DATE RECEIVED: 6/18/2024

TIME RECEIVED: 9:00 AM

MI

SAMPLED BY: T. ACKLER/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-6	ND	10	mg/L (PPM)	KC/TR	6/20/2024	WATER
	CHLORIDE EPA 300.0						

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



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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 2018100104.01
 LOCATION: BEAR LAKE 13 CPF

GTA PROJECT NO: 061824-3
 GTA SAMPLE NO: 4
 DATE SAMPLED: 6/17/2024
 TIME SAMPLED: 3:06 PM
 DATE RECEIVED: 6/18/2024
 TIME RECEIVED: 9:00 AM

MI
 SAMPLED BY: T. ACKLER/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-11 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	6/20/2024	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: 2018100104.01
LOCATION: BEAR LAKE 13 CPF

GTA PROJECT NO: 061824-3
GTA SAMPLE NO: 8

DATE SAMPLED: 6/17/2024
TIME SAMPLED: 2:30 PM
DATE RECEIVED: 6/18/2024
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: T. ACKLER/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-46 CHLORIDE EPA 300.0	23	10	mg/L (PPM)	KC/TR	6/20/2024	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: 2018100104.01
LOCATION: BEAR LAKE 13 CPF

GTA PROJECT NO: 061824-3
GTA SAMPLE NO: 9
DATE SAMPLED: 6/17/2024
TIME SAMPLED: 3:26 PM
DATE RECEIVED: 6/18/2024
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: T. ACKLER/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-1 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	6/20/2024	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: 2018100104.01

LOCATION: BEAR LAKE 13 CPF

GTA PROJECT NO: 061824-3

GTA SAMPLE NO: 10

DATE SAMPLED: 6/17/2024

TIME SAMPLED: 2:50 PM

DATE RECEIVED: 6/18/2024

TIME RECEIVED: 9:00 AM

MI

SAMPLED BY: T. ACKLER/GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: SB-TB-9 (TW)

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
ND	10	mg/L (PPM)	KC/TR	6/20/2024	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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PH: 231-929-0905

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100104.01
LOCATION: BEAR LAKE 13 CPF

GTA PROJECT NO: 061824-3
GTA SAMPLE NO: 11
DATE SAMPLED: 6/17/2024
TIME SAMPLED: 3:45 PM
DATE RECEIVED: 6/18/2024
TIME RECEIVED: 9:00 AM

MI
SAMPLED BY: T. ACKLER/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: SUMP CHLORIDE EPA 300.0	16	10	mg/L (PPM)	KC/TR	6/20/2024	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 2018100104.01	SITE NAME/ADDRESS Bear Lake 13 CPF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY T. Ackler	COMPANY Gosling Czobak	GTA PROJECT # 001824-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-225	6-17-24	14:13	GW	BTEX +4, chloride
2	MW-43		13:57		BTEX +4
3	MW-6		15:32		BTEX +4, chloride
4	MW-11		15:06		I I
5	MW-47		13:10		BTEX +4
6	MW-37		13:45		I
7	MW-33		13:05		I
8	MW-46		14:30		BTEX +4, chloride
9	MW-1		15:26		I I
10	SB-TB-9(TW)		14:50		I I
11	Sump		15:45		I I

BILL TO: LER	TempRec: <input type="checkbox"/> 0.6°C	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: J. Simsa
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RELEASED BY Trevor Ackler	DATE/TIME Jun Ack 6-18-24 @ 8:50	RECEIVED BY 	DATE/TIME 6-18-24 9A
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS