

**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: 2018100106

GTA ProjNo: 111424-6

Site Addr: HAYES 22

Sampled By: JFR/DJT - GCES

Date Rec: 11/14/2024

Time Rec: 1:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-102S	11/11/2024	10:35 AM	WATER
2	MW-102D	11/11/2024	11:20 AM	WATER
3	MW-120D	11/11/2024	12:05 PM	WATER
4	MW-120S	11/11/2024	12:35 PM	WATER
5	MW-115S	11/11/2024	1:25 PM	WATER
6	MW-111S	11/12/2024	10:10 AM	WATER
7	MW-111D	11/12/2024	10:55 AM	WATER
8	MW-112S	11/12/2024	12:08 PM	WATER
9	MW-112D	11/12/2024	12:52 PM	WATER
10	MW-122D2	11/12/2024	1:45 PM	WATER
11	MW-122D	11/12/2024	2:35 PM	WATER
12	MW-109S	11/13/2024	11:40 AM	WATER
13	MW-108S	11/13/2024	12:35 PM	WATER
14	MW-108D	11/13/2024	1:10 PM	WATER
15	MW-113	11/13/2024	1:55 PM	WATER
16	MW-116S	11/14/2024	9:15 AM	WATER
17	MW-116D	11/14/2024	9:50 AM	WATER
18	MW-117D	11/14/2024	10:30 AM	WATER
19	MW-106S	11/14/2024	11:35 AM	WATER
20	DUPLICATE-1			WATER
21	TRIP BLANK			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

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-102S

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 1
DATE SAMPLED: 11/11/2024
TIME SAMPLED: 10:35 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-102D

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 2
DATE SAMPLED: 11/11/2024
TIME SAMPLED: 11:20 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-120D

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 3
DATE SAMPLED: 11/11/2024
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-120S

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 4
DATE SAMPLED: 11/11/2024
TIME SAMPLED: 12:35 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-115S

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 5
DATE SAMPLED: 11/11/2024
TIME SAMPLED: 1:25 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-111S

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 6
DATE SAMPLED: 11/12/2024
TIME SAMPLED: 10:10 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	111424-6
PROJECT NO:	2018100106	GTA SAMPLE NO:	7
LOCATION:	HAYES 22	DATE SAMPLED:	11/12/2024
		TIME SAMPLED:	10:55 AM
		DATE RECEIVED:	11/14/2024
	MI	TIME RECEIVED:	1:00 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-111D	SAMPLED BY:	JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-112S

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 8
DATE SAMPLED: 11/12/2024
TIME SAMPLED: 12:08 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-112D

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 9
DATE SAMPLED: 11/12/2024
TIME SAMPLED: 12:52 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-122D2
GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 10
DATE SAMPLED: 11/12/2024
TIME SAMPLED: 1:45 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-122D
GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 11
DATE SAMPLED: 11/12/2024
TIME SAMPLED: 2:35 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-109S

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 12
DATE SAMPLED: 11/13/2024
TIME SAMPLED: 11:40 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-108S

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 13
DATE SAMPLED: 11/13/2024
TIME SAMPLED: 12:35 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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.

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PH: 231-929-0905

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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	111424-6
PROJECT NO:	2018100106	GTA SAMPLE NO:	14
LOCATION:	HAYES 22	DATE SAMPLED:	11/13/2024
		TIME SAMPLED:	1:10 PM
		DATE RECEIVED:	11/14/2024
	MI	TIME RECEIVED:	1:00 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-108D	SAMPLED BY:	JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-113

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 15
DATE SAMPLED: 11/13/2024
TIME SAMPLED: 1:55 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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	GTA PROJECT NO:	111424-6
PROJECT NO:	2018100106	GTA SAMPLE NO:	16
LOCATION:	HAYES 22	DATE SAMPLED:	11/14/2024
		TIME SAMPLED:	9:15 AM
		DATE RECEIVED:	11/14/2024
	MI	TIME RECEIVED:	1:00 PM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-116S	SAMPLED BY:	JFR/DJT - 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		11/18/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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PH: 231-929-0905

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-116D

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 17
DATE SAMPLED: 11/14/2024
TIME SAMPLED: 9:50 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-117D

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 18
DATE SAMPLED: 11/14/2024
TIME SAMPLED: 10:30 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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

**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
PROJECT NO: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-106S

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 19
DATE SAMPLED: 11/14/2024
TIME SAMPLED: 11:35 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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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PROJECT NO: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: DUPLICATE-1

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 20
DATE SAMPLED:
TIME SAMPLED:
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLE MATRIX: WATER
SAMPLE ID: TRIP BLANK

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 21
DATE SAMPLED:
TIME SAMPLED:
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 PM
SAMPLED BY: JFR/DJT - 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		11/18/2024	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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PROJECT NO: 2018100106

LOCATION: HAYES 22

MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 1

DATE SAMPLED: 11/11/2024

TIME SAMPLED: 10:35 AM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-102S

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
19	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 2
DATE SAMPLED: 11/11/2024
TIME SAMPLED: 11:20 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 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-102D							
CHLORIDE EPA 300.0		69	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106

LOCATION: HAYES 22

MI
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GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 3

DATE SAMPLED: 11/11/2024

TIME SAMPLED: 12:05 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 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-120D						
	CHLORIDE EPA 300.0	17	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106

LOCATION: HAYES 22

MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 4

DATE SAMPLED: 11/11/2024

TIME SAMPLED: 12:35 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-120S

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)	TR	11/19/2024	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 111424-6

PROJECT NO: 2018100106

GTA SAMPLE NO: 5

LOCATION: HAYES 22

DATE SAMPLED: 11/11/2024

TIME SAMPLED: 1:25 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

MI

SAMPLED BY: JFR/DJT - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-115S

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

TR

11/19/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 111424-6

PROJECT NO: 2018100106

GTA SAMPLE NO: 6

LOCATION: HAYES 22

DATE SAMPLED: 11/12/2024

TIME SAMPLED: 10:10 AM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

MI

SAMPLED BY: JFR/DJT - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-111S

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

TR

11/19/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: LAMBDA ENERGY RESOURCES, LLC

GTA PROJECT NO: 111424-6

PROJECT NO: 2018100106

GTA SAMPLE NO: 7

LOCATION: HAYES 22

DATE SAMPLED: 11/12/2024

TIME SAMPLED: 10:55 AM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

MI

SAMPLED BY: JFR/DJT - 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-111D						
	CHLORIDE EPA 300.0	23	10	mg/L (PPM)	TR	11/19/2024	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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GTA PROJECT NO: 111424-6

PROJECT NO: 2018100106

GTA SAMPLE NO: 8

LOCATION: HAYES 22

DATE SAMPLED: 11/12/2024

TIME SAMPLED: 12:08 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

MI

SAMPLED BY: JFR/DJT - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-112S

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)	TR	11/19/2024	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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GTA PROJECT NO: 111424-6

PROJECT NO: 2018100106

GTA SAMPLE NO: 9

LOCATION: HAYES 22

DATE SAMPLED: 11/12/2024

TIME SAMPLED: 12:52 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

MI

SAMPLED BY: JFR/DJT - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-112D

CHLORIDE EPA 300.0

Concentration

20

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

11/19/2024

Sample Matrix

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: 2018100106

LOCATION: HAYES 22

MI
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GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 10

DATE SAMPLED: 11/12/2024

TIME SAMPLED: 1:45 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-122D2

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
26	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 11
DATE SAMPLED: 11/12/2024
TIME SAMPLED: 2:35 PM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 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-122D CHLORIDE EPA 300.0	22	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106

LOCATION: HAYES 22

MI
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GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 12

DATE SAMPLED: 11/13/2024

TIME SAMPLED: 11:40 AM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-109S

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
13	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106

LOCATION: HAYES 22

MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 13

DATE SAMPLED: 11/13/2024

TIME SAMPLED: 12:35 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-108S

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
22	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106

LOCATION: HAYES 22

MI
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GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 14

DATE SAMPLED: 11/13/2024

TIME SAMPLED: 1:10 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-108D

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
31	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106

LOCATION: HAYES 22

MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 15

DATE SAMPLED: 11/13/2024

TIME SAMPLED: 1:55 PM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-113

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)	TR	11/19/2024	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: 2018100106
LOCATION: HAYES 22
MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6
GTA SAMPLE NO: 16
DATE SAMPLED: 11/14/2024
TIME SAMPLED: 9:15 AM
DATE RECEIVED: 11/14/2024
TIME RECEIVED: 1:00 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-116S CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	11/19/2024	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: 2018100106

LOCATION: HAYES 22

MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 17

DATE SAMPLED: 11/14/2024

TIME SAMPLED: 9:50 AM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-116D

CHLORIDE EPA 300.0

Concentration

26

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

11/19/2024

Sample Matrix

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: 2018100106

LOCATION: HAYES 22

MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 18

DATE SAMPLED: 11/14/2024

TIME SAMPLED: 10:30 AM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-117D

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)	TR	11/19/2024	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

GTA PROJECT NO: 111424-6

PROJECT NO: 2018100106

GTA SAMPLE NO: 19

LOCATION: HAYES 22

DATE SAMPLED: 11/14/2024

TIME SAMPLED: 11:35 AM

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

MI

SAMPLED BY: JFR/DJT - GCES

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: MW-106S

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date Completed

Sample Matrix

ND

10

mg/L (PPM)

TR

11/19/2024

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: 2018100106

LOCATION: HAYES 22

MI
SAMPLED BY: JFR/DJT - GCES

GTA PROJECT NO: 111424-6

GTA SAMPLE NO: 20

DATE SAMPLED:

TIME SAMPLED:

DATE RECEIVED: 11/14/2024

TIME RECEIVED: 1:00 PM

SAMPLE ANALYSIS

No: Analysis

SAMPLE ID: DUPLICATE-1

CHLORIDE EPA 300.0

Concentration

ND

LOD

10

Units

mg/L (PPM)

Analyst

TR

Date Completed

11/19/2024

Sample Matrix

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

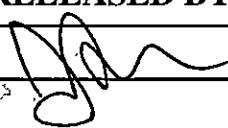
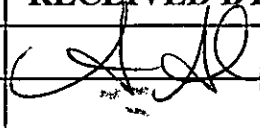
s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER 2018100606	SITE NAME/ADDRESS Hanes 22	COMPANY/NAME Lambda Energy Resources LLC
SAMPLED BY JFR/DJT	COMPANY GUES	GTA PROJECT # 111424-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-102s	11/11/24	10:35	GW	BTEX, Chloride
2	MW-102d		11:20		
3	MW-120d		12:05		
4	MW-120s		12:35		
5	MW-115s		13:25		
6	MW-111s	11/12/24	10:10		
7	MW-111d		10:55		
8	MW-112s		12:08		
9	MW-112d		12:52		
10	MW-122d2		13:45		
11	MW-122d		14:35		
12	MW-104s	11/13/24	11:40		
13	MW-108s		12:35		
14	MW-108d		13:10		
15	MW-113		13:55		

BILL TO: GUES	TempRec: ☐ 2.1°C	On Ice? ☒ Y ☐ N	REPORT TO: J. Simsa
RELEASED BY 	DATE/TIME 11/14/24 1300	RECEIVED BY 	DATE/TIME 11/14/24 7:00
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			

