



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: 24.023
GTA ProjNo: 102224-3

Site Addr: 02/18/24 AVERY SMITH LINE RELEASE

Sampled By: AS/KWB - HURON
Date Rec: 10/22/2024
Time Rec: 12:10 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SUMP 1	10/16/2024		WATER
2	SUMP 2	10/17/2024		WATER
3	SUMP 3	10/17/2024		WATER
4	MW-3/OW-1	10/16/2024		WATER
5	TW-1	10/16/2024		WATER
6	TW-2	10/16/2024		WATER
7	TW-3	10/16/2024		WATER
8	TW-4	10/16/2024		WATER
9	TW-5	10/16/2024		WATER
10	TW-6	10/16/2024		WATER
11	TW-7	10/16/2024		WATER
12	TW-8	10/16/2024		WATER
13	TW-9	10/16/2024		WATER
14	TW-10	10/16/2024		WATER
15	TW-11	10/16/2024		WATER
16	TW-12	10/16/2024		WATER

ELECTRONIC SIGNITURE 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: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 1
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
 SAMPLED BY: AS/KWB - HURON

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 1 CHLORIDE EPA 300.0	110	10	mg/L (PPM)	TR	10/27/2024	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: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE
 MI
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GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 2
 DATE SAMPLED: 10/17/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 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:	SUMP 2	1,400	50	mg/L (PPM)	TR	10/27/2024	WATER
	CHLORIDE EPA 300.0						

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 3
 DATE SAMPLED: 10/17/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
 SAMPLED BY: AS/KWB - HURON

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 3 CHLORIDE EPA 300.0	590	20	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE
 MI
 SAMPLED BY: AS/KWB - HURON

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 4
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 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-3/OW-1 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	10/27/2024	WATER

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 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE
 MI
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GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 5
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 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: TW-1 CHLORIDE EPA 300.0	110	10	mg/L (PPM)	TR	10/27/2024	WATER

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PROJECT NO: 24.023
LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
GTA SAMPLE NO: 6
DATE SAMPLED: 10/16/2024
TIME SAMPLED:
DATE RECEIVED: 10/22/2024
TIME RECEIVED: 12:10 PM

MI
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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: TW-2 CHLORIDE EPA 300.0	140	10	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 7
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
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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: TW-3 CHLORIDE EPA 300.0	57	10	mg/L (PPM)	TR	10/27/2024	WATER

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 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 8
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
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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: TW-4 CHLORIDE EPA 300.0	1,700	50	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 24.023
LOCATION: 02/18/24 AVERY SMITH LINE RELEASE
MI
SAMPLED BY: AS/KWB - HURON

GTA PROJECT NO: 102224-3
GTA SAMPLE NO: 9
DATE SAMPLED: 10/16/2024
TIME SAMPLED:
DATE RECEIVED: 10/22/2024
TIME RECEIVED: 12:10 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: TW-5 CHLORIDE EPA 300.0	1,700	50	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 10
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

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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: TW-6 CHLORIDE EPA 300.0	270	10	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 11
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
 SAMPLED BY: AS/KWB - HURON

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: TW-7 CHLORIDE EPA 300.0	240	10	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 24.023
LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
GTA SAMPLE NO: 12
DATE SAMPLED: 10/16/2024
TIME SAMPLED:
DATE RECEIVED: 10/22/2024
TIME RECEIVED: 12:10 PM

MI
SAMPLED BY: AS/KWB - HURON

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: TW-8 CHLORIDE EPA 300.0	250	10	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 13
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
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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: TW-9 CHLORIDE EPA 300.0	29	10	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 14
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
 SAMPLED BY: AS/KWB - HURON

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: TW-10 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 15
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
 SAMPLED BY: AS/KWB - HURON

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: TW-11 CHLORIDE EPA 300.0	14	10	mg/L (PPM)	TR	10/27/2024	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC
 PROJECT NO: 24.023
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE

GTA PROJECT NO: 102224-3
 GTA SAMPLE NO: 16
 DATE SAMPLED: 10/16/2024
 TIME SAMPLED:
 DATE RECEIVED: 10/22/2024
 TIME RECEIVED: 12:10 PM

MI
 SAMPLED BY: AS/KWB - HURON

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: TW-12 CHLORIDE EPA 300.0	760	50	mg/L (PPM)	TR	10/27/2024	WATER

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Groundwater Monitoring

CHAIN OF CUSTODY

PROJECT NUMBER 24.023	SITE NAME/ADDRESS 02/18/24 Avery Smith Line Release	COMPANY/NAME Lambda Energy Resources, LLC
SAMPLED BY <i>Alex Struble</i> Kim Wallis-Burke, Huron Engineering and Surveying, Inc.		COMPANY GTA PROJECT # <i>102224-3</i>

SAMPLE INFORMATION						Field Conductivity mS/cm
#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS	
1	Sump 1	10/16/24		Water	Chloride	0.90
2	Sump 2	10/17/24				4.7
3	Sump 3	10/17/24				2.4
4	MW3/OW 1	10/16/24				0.53
5	TW 1					0.89
6	TW 2					1.01
7	TW 3					0.67
8	TW 4					5.4
9	TW 5					5.4
10	TW 6					1.2
11	TW 7					1.3
12	TW 8					2.0
13	TW 9					0.44
14	TW 10					0.53
15	TW 11					0.78
16	TW 12					2.9

BILL TO: Lambda, Nick Summerland	Temp Rec: <input type="checkbox"/>	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	REPORT TO: Kim Wallis-Burke kim.wallis-burke@huronesi.com
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RELEASED BY <i>Kimberly Wallis-Burke</i>	DATE/TIME	RECEIVED BY <i>Alpena UPS</i>	DATE/TIME <i>10/21/24</i>
		<i>A Alpena</i>	<i>12:50</i>
			<i>10/22/24</i>

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