



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: LAMBDA ENERGY RESOURCES, LLC  
Name:  
ClientProj: 20.064  
GTA ProjNo: 092625-5

Site Addr: CASE 33 CPF  
Sampled By: AS/KWB - HURON  
Date Rec: 9/26/2025  
Time Rec: 12:01 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1 (30-40')	9/25/2025		WATER
2	MW-2S (64-74')	9/19/2025		WATER
3	MW-2D (94-99')	9/18/2025		WATER
4	MW-3S (94-104')	9/19/2025		WATER
5	MW-3D (115-120')	9/19/2025		WATER
6	MW-4 (36-41')	9/25/2025		WATER
7	MW-5 (89-99')	9/18/2025		WATER
8	MW-6 (66-76')	9/25/2025		WATER
9	MW-7S (94-104')	9/19/2025		WATER
10	MW-7D (122-127')	9/19/2025		WATER
11	MW-8S (65-75')	9/19/2025		WATER
12	MW-8D (123-128')	9/19/2025		WATER
13	MW-9S (94-104')	9/19/2025		WATER
14	MW-9M (115-120')	9/19/2025		WATER
15	MW-9D (148-153')	9/18/2025		WATER
16	MW-10 (114-119')	9/18/2025		WATER
17	MW-11D (133-138')	9/19/2025		WATER
18	MW-12D (152-157')	9/19/2025		WATER
19	MW-13D (121-126')	9/18/2025		WATER
20	MW-14D (176-181')	9/18/2025		WATER
21	MW-15D (172-177')	9/18/2025		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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Fx: 231-929-0894  
SP: 231-590-0291  
[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)



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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
PROJECT NO: 20.064  
LOCATION: CASE 33 CPF

GTA PROJECT NO: 092625-5  
GTA SAMPLE NO: 1  
DATE SAMPLED: 9/25/2025  
TIME SAMPLED:  
DATE RECEIVED: 9/26/2025  
TIME RECEIVED: 12:01 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: MW-1 (30-40') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/3/2025	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: 20.064  
 LOCATION: CASE 33 CPF

GTA PROJECT NO: 092625-5  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 9/19/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 9/26/2025  
 TIME RECEIVED: 12:01 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: MW-2S (64-74') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/3/2025	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: 20.064  
 LOCATION: CASE 33 CPF

GTA PROJECT NO: 092625-5  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 9/19/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 9/26/2025  
 TIME RECEIVED: 12:01 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: MW-3S (94-104') CHLORIDE EPA 300.0	99	10	mg/L (PPM)	KC/TR	10/3/2025	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: 092625-5  
PROJECT NO: 20.064      GTA SAMPLE NO: 8  
LOCATION: CASE 33 CPF      DATE SAMPLED: 9/25/2025  
TIME SAMPLED:  
DATE RECEIVED: 9/26/2025  
TIME RECEIVED: 12:01 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: MW-6 (66-76') CHLORIDE EPA 300.0	59	10	mg/L (PPM)	KC/TR	10/3/2025	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: 20.064

LOCATION: CASE 33 CPF

GTA PROJECT NO: 092625-5

GTA SAMPLE NO: 9

DATE SAMPLED: 9/19/2025

TIME SAMPLED:

DATE RECEIVED: 9/26/2025

TIME RECEIVED: 12:01 PM

MI

SAMPLED BY: AS/KWB - HURON

**SAMPLE ANALYSIS**

**No: Analysis**

SAMPLE ID: MW-7S (94-104')

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
34	10	mg/L (PPM)	KC/TR	10/3/2025	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: 20.064  
 LOCATION: CASE 33 CPF

GTA PROJECT NO: 092625-5  
 GTA SAMPLE NO: 10  
 DATE SAMPLED: 9/19/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 9/26/2025  
 TIME RECEIVED: 12:01 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: MW-7D (122-127') CHLORIDE EPA 300.0	72	10	mg/L (PPM)	KC/TR	10/3/2025	WATER

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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 20.064  
 LOCATION: CASE 33 CPF

GTA PROJECT NO: 092625-5  
 GTA SAMPLE NO: 11  
 DATE SAMPLED: 9/19/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 9/26/2025  
 TIME RECEIVED: 12:01 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: MW-8S (65-75') CHLORIDE EPA 300.0	24	10	mg/L (PPM)	KC/TR	10/3/2025	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: 092625-5  
PROJECT NO: 20.064      GTA SAMPLE NO: 12  
LOCATION: CASE 33 CPF      DATE SAMPLED: 9/19/2025  
TIME SAMPLED:  
DATE RECEIVED: 9/26/2025  
TIME RECEIVED: 12:01 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: MW-8D (123-128') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/3/2025	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: 092625-5  
PROJECT NO: 20.064      GTA SAMPLE NO: 13  
LOCATION: CASE 33 CPF      DATE SAMPLED: 9/19/2025  
TIME SAMPLED:  
DATE RECEIVED: 9/26/2025  
TIME RECEIVED: 12:01 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: MW-9S (94-104') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/3/2025	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: 092625-5  
PROJECT NO: 20.064      GTA SAMPLE NO: 14  
LOCATION: CASE 33 CPF      DATE SAMPLED: 9/19/2025  
TIME SAMPLED:  
DATE RECEIVED: 9/26/2025  
TIME RECEIVED: 12:01 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: MW-9M (115-120') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/3/2025	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: 092625-5  
PROJECT NO: 20.064      GTA SAMPLE NO: 15  
LOCATION: CASE 33 CPF      DATE SAMPLED: 9/18/2025  
TIME SAMPLED:  
DATE RECEIVED: 9/26/2025  
TIME RECEIVED: 12:01 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: MW-9D (148-153') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/3/2025	WATER

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LOD = LIMIT OF DETECTION  
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COMPANY: LAMBDA ENERGY RESOURCES, LLC  
 PROJECT NO: 20.064  
 LOCATION: CASE 33 CPF

GTA PROJECT NO: 092625-5  
 GTA SAMPLE NO: 18  
 DATE SAMPLED: 9/19/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 9/26/2025  
 TIME RECEIVED: 12:01 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: MW-12D (152-157') CHLORIDE EPA 300.0	2,000	50	mg/L (PPM)	KC/TR	10/3/2025	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: 20.064

LOCATION: CASE 33 CPF

GTA PROJECT NO: 092625-5

GTA SAMPLE NO: 20

DATE SAMPLED: 9/18/2025

TIME SAMPLED:

DATE RECEIVED: 9/26/2025

TIME RECEIVED: 12:01 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: MW-14D (176-181') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/3/2025	WATER

ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION  
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COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	092625-5
PROJECT NO:	20.064	GTA SAMPLE NO:	21
LOCATION:	CASE 33 CPF	DATE SAMPLED:	9/18/2025
		TIME SAMPLED:	
		DATE RECEIVED:	9/26/2025
		TIME RECEIVED:	12:01 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: MW-15D (172-177') CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/3/2025	WATER

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

Annual Groundwater Monitoring

CHAIN OF CUSTODY

PROJECT NUMBER 20.064	SITE NAME/ADDRESS Case 33 CPF	COMPANY/NAME Lambda Energy Resources
SAMPLED BY: <i>Alex Struble &amp; Kim Wallis-Burke</i> Huron Engineering and Surveying, Inc.		COMPANY GTA PROJECT # <i>092625-5</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS	Field Conductivity mS/cm
1	MW 1 (30-40')	9/25/25		GW	Chloride (mg/l)	0.40
2	MW 2 S (64-74')	9/19/25		"	"	0.76
3	MW 2 D (94-99')	9/18/25		"	"	0.51
4	MW 3 S (94-104')	9/19/25		"	"	1.0
5	MW 3 D (115-120')	9/19/25		"	"	2.0
6	MW 4 (36-41')	9/25/25		"	"	0.56
7	MW 5 (89-99')	9/18/25		"	"	0.73
8	MW 6 (66-76')	9/25/25		"	"	0.62
9	MW 7 S (94-104')	9/19/25		"	"	0.82
10	MW 7 D (122-127')	9/19/25		"	"	0.71
11	MW 8 S (65-75')	9/19/25		"	"	0.71
12	MW 8 D (123-128')	9/19/25		"	"	0.84
13	MW 9 S (94-104')	9/19/25		"	"	0.52
14	MW 9 M (115-120')	9/19/25		"	"	0.50
15	MW 9 D (148-153')	9/18/25		"	"	0.55

BILL TO: Lambda Energy Resources Attn: Nick Summerland	TempRec: <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Y <input type="checkbox"/> N On Ice? <input type="checkbox"/> <input checked="" type="checkbox"/>	REPORT TO: Huron Engineering and Surveying Attn: Kim Wallis-Burke
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RELEASED BY <i>Kim Wallis-Burke</i>	DATE/TIME	RECEIVED BY Alpena UPS <i>A Alpena</i>	DATE/TIME 9/25/25 pm 9/26/25 12:01
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS

