



**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: 24.023  
GTA ProjNo: 080725-13

Site Addr: 02/18/24 AVERY SMITH LINE RELEASE  
AT THE NICKERSON VALLEY

Sampled By: AS/HURON  
Date Rec: 8/7/2025  
Time Rec: 1:56 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3/OW-1	8/5/2025		WATER
2	SUMP #2	8/5/2025		WATER
3	SUMP #3	8/5/2025		WATER
4	TW-1	8/5/2025		WATER
5	TW-2	8/5/2025		WATER
6	TW-3	8/5/2025		WATER
7	TW-4	8/5/2025		WATER
8	TW-5	8/5/2025		WATER
9	TW-6	8/5/2025		WATER
10	TW-7	8/5/2025		WATER
11	TW-8	8/5/2025		WATER
12	TW-9	8/5/2025		WATER
13	TW-10	8/5/2025		WATER
14	TW-11	8/5/2025		WATER
15	TW-12	8/5/2025		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)





COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	080725-13
PROJECT NO:	24.023	GTA SAMPLE NO:	3
LOCATION:	02/18/24 AVERY SMITH LINE RELEASE AT THE NICKERSON VALLEY	DATE SAMPLED:	8/5/2025
		TIME SAMPLED:	
		DATE RECEIVED:	8/7/2025
		TIME RECEIVED:	1:56 PM
	MI		
SAMPLED BY:	AS/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	50	mg/L (PPM)	KC/TR	8/13/2025	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: 080725-13  
PROJECT NO: 24.023      GTA SAMPLE NO: 5  
LOCATION: 02/18/24 AVERY SMITH LINE RELEASE AT      DATE SAMPLED: 8/5/2025  
THE NICKERSON VALLEY      TIME SAMPLED:  
DATE RECEIVED: 8/7/2025  
TIME RECEIVED: 1:56 PM

MI  
SAMPLED BY: AS/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-2	CHLORIDE EPA 300.0	21	10	mg/L (PPM)	KC/TR	8/13/2025	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: 080725-13  
PROJECT NO: 24.023      GTA SAMPLE NO: 6  
LOCATION: 02/18/24 AVERY SMITH LINE RELEASE AT      DATE SAMPLED: 8/5/2025  
THE NICKERSON VALLEY      TIME SAMPLED:  
DATE RECEIVED: 8/7/2025  
TIME RECEIVED: 1:56 PM

MI  
SAMPLED BY: AS/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-3	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	8/13/2025	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: 080725-13  
PROJECT NO: 24.023      GTA SAMPLE NO: 8  
LOCATION: 02/18/24 AVERY SMITH LINE RELEASE AT      DATE SAMPLED: 8/5/2025  
THE NICKERSON VALLEY      TIME SAMPLED:  
DATE RECEIVED: 8/7/2025  
TIME RECEIVED: 1:56 PM

MI  
SAMPLED BY: AS/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-5 CHLORIDE EPA 300.0	390	10	mg/L (PPM)	KC/TR	8/13/2025	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: 24.023  
 LOCATION: 02/18/24 AVERY SMITH LINE RELEASE  
 AT THE NICKERSON VALLEY  
 MI  
 SAMPLED BY: AS/HURON

GTA PROJECT NO: 080725-13  
 GTA SAMPLE NO: 11  
 DATE SAMPLED: 8/5/2025  
 TIME SAMPLED:  
 DATE RECEIVED: 8/7/2025  
 TIME RECEIVED: 1:56 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-8						
	CHLORIDE EPA 300.0	270	10	mg/L (PPM)	KC/TR	8/13/2025	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	930	5.0	mg/L (PPM)	TR	8/20/2025	WATER

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





COMPANY:	LAMBDA ENERGY RESOURCES, LLC	GTA PROJECT NO:	080725-13
PROJECT NO:	24.023	GTA SAMPLE NO:	14
LOCATION:	02/18/24 AVERY SMITH LINE RELEASE AT THE NICKERSON VALLEY	DATE SAMPLED:	8/5/2025
		TIME SAMPLED:	
		DATE RECEIVED:	8/7/2025
		TIME RECEIVED:	1:56 PM
	MI		
SAMPLED BY:	AS/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	ND	10	mg/L (PPM)	KC/TR	8/13/2025	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: 080725-13  
PROJECT NO: 24.023      GTA SAMPLE NO: 15  
LOCATION: 02/18/24 AVERY SMITH LINE RELEASE AT      DATE SAMPLED: 8/5/2025  
THE NICKERSON VALLEY      TIME SAMPLED:  
DATE RECEIVED: 8/7/2025  
TIME RECEIVED: 1:56 PM

MI  
SAMPLED BY: AS/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	110	10	mg/L (PPM)	KC/TR	8/13/2025	WATER

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



# INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Groundwater Monitoring

## CHAIN OF CUSTODY

PROJECT NUMBER 24.023	SITE NAME/ADDRESS 02/18/24 Avery Smith Line Release at the Nickerson Valley CPE	COMPANY/NAME Lambda Energy Resources, LLC
SAMPLED BY KWB AS, Huron Engineering and Surveying, Inc.		COMPANY GTA PROJECT # 080725-13

SAMPLE INFORMATION						Field Conductivity mS/cm
#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS	
1	MW3/OW1	08/05/25		Water	Chloride	0.44
2	Sump #2	"		"	"	1.62
3	Sump #3	"		"	"	2.09
4	TW 1	"		"	"	0.61
5	TW 2	"		"	"	0.50
6	TW 3	"		"	"	0.50
7	TW 4	"		"	"	2.00
8	TW 5	"		"	"	1.68
9	TW 6	"		"	"	0.38
10	TW 7	"		"	"	0.79
11	TW 8	"		"	" + TDS	1.32
12	TW 9	"		"	"	0.39
13	TW 10	"		"	"	0.61
14	TW 11	"		"	"	0.65
15	TW 12	"		"	"	0.93

<b>BILL TO:</b> Lambda, Nick Summerland	<b>TempRec:</b> <input type="checkbox"/> Not Applicable	<b>On Ice?</b> <input type="checkbox"/> <input checked="" type="checkbox"/>	<b>REPORT TO:</b> Kim Wallis-Burke kim.wallis-burke@huronese.com
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<b>RELEASED BY</b> <i>[Signature]</i>	<b>DATE/TIME</b>	<b>RECEIVED BY</b> Alpena UPS <i>[Signature]</i>	<b>DATE/TIME</b> 08/06/25 5:10pm 8/2/25 156
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS