



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: 19-031
GTA ProjNo: 100119-5

Site Addr: KRUEGERAND CGC & DISPOSAL FACILITY

Sampled By: KWB/HURON
Date Rec: 10/1/2019
Time Rec: 12:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1R	9/30/2019		WATER
2	MW-4	9/30/2019		WATER
3	MW-5R	9/30/2019		WATER
4	MW-6	9/30/2019		WATER
5	MW-9	9/30/2019		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 L Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
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Traverse City, MI 49686
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COMPANY: LAMBDA ENERGY RESOURCES, LLC
PROJECT NO: 19-031
LOCATION: KRUEGERAND CGC & DISPOSAL FACILITY
MI
SAMPLED BY: KWB/HURON

GTA PROJECT NO: 100119-5
GTA SAMPLE NO: 1
DATE SAMPLED: 9/30/2019
TIME SAMPLED:
DATE RECEIVED: 10/1/2019
TIME RECEIVED: 12:40 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-1R						
	CHLORIDE EPA 300.0	180	10	mg/L (PPM)	KC	10/9/2019	WATER
	CONDUCTIVITY SM2510-B	580	1.0	uS/cm@25C	KC	10/9/2019	WATER

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

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SAMPLED BY: KWB/HURON

GTA PROJECT NO: 100119-5
GTA SAMPLE NO: 2
DATE SAMPLED: 9/30/2019
TIME SAMPLED:
DATE RECEIVED: 10/1/2019
TIME RECEIVED: 12:40 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-4						
	CHLORIDE EPA 300.0	11	10	mg/L (PPM)	KC	10/9/2019	WATER
	CONDUCTIVITY SM2510-B	620	1.0	uS/cm@25C	KC	10/9/2019	WATER

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LOCATION: KRUEGERAND CGC & DISPOSAL FACILITY
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SAMPLED BY: KWB/HURON

GTA PROJECT NO: 100119-5
GTA SAMPLE NO: 3
DATE SAMPLED: 9/30/2019
TIME SAMPLED:
DATE RECEIVED: 10/1/2019
TIME RECEIVED: 12:40 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-5R						
	CHLORIDE EPA 300.0	110	10	mg/L (PPM)	KC	10/9/2019	WATER
	CONDUCTIVITY SM2510-B	890	1.0	uS/cm@25C	KC	10/9/2019	WATER

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LOCATION: KRUEGERAND CGC & DISPOSAL FACILITY
MI
SAMPLED BY: KWB/HURON

GTA PROJECT NO: 100119-5
GTA SAMPLE NO: 4
DATE SAMPLED: 9/30/2019
TIME SAMPLED:
DATE RECEIVED: 10/1/2019
TIME RECEIVED: 12:40 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-6						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC	10/9/2019	WATER
	CONDUCTIVITY SM2510-B	600	1.0	uS/cm@25C	KC	10/9/2019	WATER

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SAMPLED BY: KWB/HURON

GTA PROJECT NO: 100119-5
GTA SAMPLE NO: 5
DATE SAMPLED: 9/30/2019
TIME SAMPLED:
DATE RECEIVED: 10/1/2019
TIME RECEIVED: 12:40 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-9						
	CHLORIDE EPA 300.0	26	10	mg/L (PPM)	KC	10/9/2019	WATER
	CONDUCTIVITY SM2510-B	780	1.0	uS/cm@25C	KC	10/9/2019	WATER

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CHAIN OF CUSTODY

PROJECT NUMBER 19.031	SITE NAME/ADDRESS Krueger and Co. Disposal Facility	COMPANY/NAME Lambda Energy Resources
SAMPLED BY Kim Wallis-Burke	COMPANY Huron Engineering & Surveying	GTA PROJECT # 10019-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW 1 R	9/30/19		GW	Chloride & SC
2	MW 4	9/30/19		GW	Chloride & SC
	MW 4 D	9/30/19		GW	Chloride MWB
3	MW 5 R	9/30/19		GW	Chloride & SC
4	MW 6	9/30/19		GW	Chloride & SC
5	MW 9	9/30/19		GW	Chloride & SC

BILL TO: Nick Summerland
Lambda Energy Resources

REPORT TO: Kim Wallis-Burke
Huron Engineering & Surveying

RELEASED BY Kim Wallis-Burke	DATE/TIME 9/30/19	RECEIVED BY UPS	DATE/TIME 10/1/19 12:40
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REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS