



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: 120319-2

Site Addr: KRUEGERAND CGC & DISPOSAL FACILITY

Sampled By: KWB/HURON

Date Rec: 12/3/2019

Time Rec: 12:25 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1R	12/2/2019		WATER
2	MW-4	12/2/2019		WATER
3	MW-5	12/2/2019		WATER
4	MW-6	12/2/2019		WATER
5	MW-9	12/2/2019		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
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 GTA PROJECT NO: 120319-2
PROJECT NO: 19.031 GTA SAMPLE NO: 1
LOCATION: KRUEGERAND CGC & DISPOSAL FACILITY DATE SAMPLED: 12/2/2019
TIME SAMPLED:
DATE RECEIVED: 12/3/2019
TIME RECEIVED: 12:25 PM
MI
SAMPLED BY: 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-1R						
CHLORIDE EPA 300.0	140	10	mg/L (PPM)	LV	12/3/2019	WATER
CONDUCTIVITY SM2510-B	990	1.0	uS/cm@25C	LV	12/3/2019	WATER

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

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PROJECT NO: 19.031
LOCATION: KRUEGERAND CGC & DISPOSAL FACILITY
MI
SAMPLED BY: KWB/HURON

GTA PROJECT NO: 120319-2
GTA SAMPLE NO: 2
DATE SAMPLED: 12/2/2019
TIME SAMPLED:
DATE RECEIVED: 12/3/2019
TIME RECEIVED: 12:25 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	ND	10	mg/L (PPM)	LV	12/3/2019	WATER
	CONDUCTIVITY SM2510-B	630	1.0	uS/cm@25C	LV	12/3/2019	WATER

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PROJECT NO: 19.031
LOCATION: KRUEGERAND CGC & DISPOSAL FACILITY
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SAMPLED BY: KWB/HURON

GTA PROJECT NO: 120319-2
GTA SAMPLE NO: 3
DATE SAMPLED: 12/2/2019
TIME SAMPLED:
DATE RECEIVED: 12/3/2019
TIME RECEIVED: 12:25 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-5						
	CHLORIDE EPA 300.0	21	10	mg/L (PPM)	LV	12/3/2019	WATER
	CONDUCTIVITY SM2510-B	610	1.0	uS/cm@25C	LV	12/3/2019	WATER

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PROJECT NO: 19.031
LOCATION: KRUEGERAND CGC & DISPOSAL FACILITY
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SAMPLED BY: KWB/HURON

GTA PROJECT NO: 120319-2
GTA SAMPLE NO: 4
DATE SAMPLED: 12/2/2019
TIME SAMPLED:
DATE RECEIVED: 12/3/2019
TIME RECEIVED: 12:25 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)	LV	12/3/2019	WATER
	CONDUCTIVITY SM2510-B	610	1.0	uS/cm@25C	LV	12/3/2019	WATER

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

GTA PROJECT NO: 120319-2
GTA SAMPLE NO: 5
DATE SAMPLED: 12/2/2019
TIME SAMPLED:
DATE RECEIVED: 12/3/2019
TIME RECEIVED: 12:25 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	ND	10	mg/L (PPM)	LV	12/3/2019	WATER
	CONDUCTIVITY SM2510-B	600	1.0	uS/cm@25C	LV	12/3/2019	WATER

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CHAIN OF CUSTODY

PROJECT NUMBER (Huron) 19.031	SITE NAME/ADDRESS/LOCATION Krueger and Co. Disposal Facility	COMPANY/NAME Lambda Energy Resources, LLC
SAMPLED BY Kim Wallis-Burke	COMPANY Huron Engineering & Surveying, Inc.	GTA PROJECT # 120319-2

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW1R	12/2/19		GW	Chloride (mg/l) and Specific Conductance (umhos/cm)
2	MW4	"		"	"
3	MW5	"		"	"
4	MW6	"		"	"
5	MW9	"		"	"

BILL TO: Lambda Energy Resources, Nick Summerland (nsummerland@lambdaenergyllc.com)

REPORT TO: Huron Engineering & Surveying, Kim Wallis-Burke (kim.wallis-burke@huronesi.com)

RELEASED BY Kim Wallis-Burke	DATE/TIME 12/2/19	RECEIVED BY UPS	DATE/TIME 12/3/19 12:25
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REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS