



**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: WARD LAKE ENERGY  
Name:  
ClientProj:

Site Addr: BEAR LAKE FLOWLINE

GTA ProjNo: 021120-13

Sampled By: NJ/ECT  
Date Rec: 2/11/2020  
Time Rec: 12:19 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	2/11/2020		WATER
2	MW-2S	2/11/2020		WATER
3	MW-2D	2/11/2020		WATER
4	MW-3	2/11/2020		WATER
5	MW-4	2/11/2020		WATER
6	MW-5	2/11/2020		WATER
7	MW-6	2/11/2020		WATER
8	MW-7	2/11/2020		WATER
9	MW-8	2/11/2020		WATER
10	MW-9	2/11/2020		WATER
11	MW-10	2/11/2020		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*

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COMPANY: WARD LAKE ENERGY  
PROJECT NO:  
LOCATION: BEAR LAKE FLOWLINE

GTA PROJECT NO: 021120-13  
GTA SAMPLE NO: 1

DATE SAMPLED: 2/11/2020  
TIME SAMPLED:  
DATE RECEIVED: 2/11/2020  
TIME RECEIVED: 12:19 PM

SAMPLED BY: MI  
NJ/ECT

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-1 CHLORIDE EPA 300.0	55	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
PROJECT NO:  
LOCATION: BEAR LAKE FLOWLINE  
MI  
SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
GTA SAMPLE NO: 2  
DATE SAMPLED: 2/11/2020  
TIME SAMPLED:  
DATE RECEIVED: 2/11/2020  
TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-2S CHLORIDE EPA 300.0	41	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: BEAR LAKE FLOWLINE  
 MI  
 SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 2/11/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 2/11/2020  
 TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-2D	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: BEAR LAKE FLOWLINE  
 MI  
 SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 2/11/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 2/11/2020  
 TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-3	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
PROJECT NO:  
LOCATION: BEAR LAKE FLOWLINE  
MI  
SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
GTA SAMPLE NO: 5  
DATE SAMPLED: 2/11/2020  
TIME SAMPLED:  
DATE RECEIVED: 2/11/2020  
TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-4 CHLORIDE EPA 300.0	22	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: BEAR LAKE FLOWLINE  
 MI  
 SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 2/11/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 2/11/2020  
 TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-5	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
PROJECT NO:  
LOCATION: BEAR LAKE FLOWLINE  
MI  
SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
GTA SAMPLE NO: 7  
DATE SAMPLED: 2/11/2020  
TIME SAMPLED:  
DATE RECEIVED: 2/11/2020  
TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-6	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: BEAR LAKE FLOWLINE  
 MI  
 SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
 GTA SAMPLE NO: 8  
 DATE SAMPLED: 2/11/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 2/11/2020  
 TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-7	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: BEAR LAKE FLOWLINE  
 MI  
 SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
 GTA SAMPLE NO: 9  
 DATE SAMPLED: 2/11/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 2/11/2020  
 TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-8	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
PROJECT NO:  
LOCATION: BEAR LAKE FLOWLINE  
MI  
SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
GTA SAMPLE NO: 10  
DATE SAMPLED: 2/11/2020  
TIME SAMPLED:  
DATE RECEIVED: 2/11/2020  
TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-9	CHLORIDE EPA 300.0	22	10	mg/L (PPM)	LV	2/11/2020	WATER

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

COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: BEAR LAKE FLOWLINE  
 MI  
 SAMPLED BY: NJ/ECT

GTA PROJECT NO: 021120-13  
 GTA SAMPLE NO: 11  
 DATE SAMPLED: 2/11/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 2/11/2020  
 TIME RECEIVED: 12:19 PM

**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-10	CHLORIDE EPA 300.0	160	10	mg/L (PPM)	LV	2/11/2020	WATER

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

**CHAIN OF CUSTODY**

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Bear Lake Flowline	Ward Lake
SAMPLED BY	COMPANY	GTA PROJECT #
NS	ECT	021120-13

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	2-11-20		WTR	CL
2	MW-2 S	↓		↓	↓
3	MW-2 D				
4	MW-3				
5	MW-4				
6	MW-5				
7	MW-6				
8	MW-7				
9	MW-8				
10	MW-9				
11	MW-10				

**BILL TO:**  
Ward Lake

**REPORT TO:**  
Lisa

**RELEASED BY**      **DATE/TIME**  
[Signature]      2-11-20

**RECEIVED BY**      **DATE/TIME**  
[Signature]      2/11/20 12:19

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