



**INDEPENDENT TESTING LAB**

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

Company: WARD LAKE ENERGY  
Name:  
ClientProj:

Site Addr: SPRINGDALE 28 FLOWLINE

GTA ProjNo: 093019-2

Sampled By: LMH-J/ECT  
Date Rec: 9/30/2019  
Time Rec: 3:25 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	1 VAP/MW-1 5'-10'	9/30/2019		WATER
2	1 VAP/MW-1 10'-15'	9/30/2019		WATER
3	1 VAP/MW-1 20'-25'	9/30/2019		WATER
4	MW-2	9/30/2019		WATER
5	MW-3	9/30/2019		WATER
6	MW-4	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 Chase*

Kirk L. Chase/Chemist  
Grand Traverse Analytical  
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[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)

COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: SPRINGDALE 28 FLOWLINE

GTA PROJECT NO: 093019-2  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 9/30/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 9/30/2019  
 TIME RECEIVED: 3:25 PM

SAMPLED BY: MI  
 LMH-J/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: 1 VAP/MW-1 5'-10' CHLORIDE EPA 300.0	5,400	500	mg/L (PPM)	LV	10/1/2019	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: SPRINGDALE 28 FLOWLINE

GTA PROJECT NO: 093019-2  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 9/30/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 9/30/2019  
 TIME RECEIVED: 3:25 PM

SAMPLED BY: MI  
 LMH-J/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: 1 VAP/MW-1 10'-15' CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/1/2019	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: SPRINGDALE 28 FLOWLINE  
 MI  
 SAMPLED BY: LMH-J/ECT

GTA PROJECT NO: 093019-2  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 9/30/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 9/30/2019  
 TIME RECEIVED: 3:25 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: 1 VAP/MW-1 20'-25' CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/1/2019	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: SPRINGDALE 28 FLOWLINE  
 MI  
 SAMPLED BY: LMH-J/ECT

GTA PROJECT NO: 093019-2  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 9/30/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 9/30/2019  
 TIME RECEIVED: 3:25 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-2	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/1/2019	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: SPRINGDALE 28 FLOWLINE  
 MI  
 SAMPLED BY: LMH-J/ECT

GTA PROJECT NO: 093019-2  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 9/30/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 9/30/2019  
 TIME RECEIVED: 3:25 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	10/1/2019	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: SPRINGDALE 28 FLOWLINE

GTA PROJECT NO: 093019-2  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 9/30/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 9/30/2019  
 TIME RECEIVED: 3:25 PM

SAMPLED BY: MI  
 LMH-J/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-4	CHLORIDE EPA 300.0	660	20	mg/L (PPM)	LV	10/1/2019	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 <i>SPRINGDALE 28 Flowline</i>	COMPANY/NAME <i>W.L./E.V.</i>
SAMPLED BY <i>LMH-J</i>	COMPANY <i>E.C.T.</i>	GTA PROJECT # <i>093019-Z</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>1 VAP / MW-1</i> <i>5'-10'</i>	<i>9-30-19</i>		<i>WTR</i>	<i>CL</i>
2	<i>2 VAP / MW-1</i> <i>10'-15'</i>				
3	<i>3 VAP / MW-1</i> <del><i>15'-20'</i></del> <i>20-25'</i>				
4	<i>MW-2</i>				
5	<i>MW-3</i>				
6	<i>MW-4</i>				

*ASAP*

**BILL TO:**

*W.L./E.V.*

**REPORT TO:**

*Lisa*

**RELEASED BY**

**DATE/TIME**

*Lisa H. Jones 9-30-19*

**RECEIVED BY**

**DATE/TIME**

*Trent D. 9-30-19 3:25p*

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