



**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: BAGLEY 23

GTA ProjNo: 102819-5

Sampled By: NJ/ECT

Date Rec: 10/28/2019

Time Rec: 11:45 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	OW-1	10/27/2019		WATER
2	OW-2	10/27/2019		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  
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830 Robinwood Court  
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COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: BAGLEY 23  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: OW-1

GTA PROJECT NO: 102819-5  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 10/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 10/28/2019  
 TIME RECEIVED: 11:45 AM  
 SAMPLED BY: NJ/ECT

**EPA 8260B VOLATILE ORGANICS**

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		10/29/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
 ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION



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COMPANY: WARD LAKE ENERGY  
 PROJECT NO:  
 LOCATION: BAGLEY 23  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: OW-2

GTA PROJECT NO: 102819-5  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 10/27/2019  
 TIME SAMPLED:  
 DATE RECEIVED: 10/28/2019  
 TIME RECEIVED: 11:45 AM  
 SAMPLED BY: NJ/ECT

**EPA 8260B VOLATILE ORGANICS**

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		10/29/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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COMPANY: WARD LAKE ENERGY  
PROJECT NO:  
LOCATION: BAGLEY 23

GTA PROJECT NO: 102819-5  
GTA SAMPLE NO: 1  
DATE SAMPLED: 10/27/2019  
TIME SAMPLED:  
DATE RECEIVED: 10/28/2019  
TIME RECEIVED: 11:45 AM

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 Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: OW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/6/2019	WATER
	CONDUCTIVITY SM2510-B	210	1.0	uS/cm@25C	LV	11/6/2019	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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COMPANY: WARD LAKE ENERGY  
PROJECT NO:  
LOCATION: BAGLEY 23  
MI  
SAMPLED BY: NJ/ECT

GTA PROJECT NO: 102819-5  
GTA SAMPLE NO: 2  
DATE SAMPLED: 10/27/2019  
TIME SAMPLED:  
DATE RECEIVED: 10/28/2019  
TIME RECEIVED: 11:45 AM

**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: OW-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/6/2019	WATER
	CONDUCTIVITY SM2510-B	430	1.0	uS/cm@25C	LV	11/6/2019	WATER

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

**CHAIN OF CUSTODY**

PROJECT NUMBER	SITE NAME/ADDRESS <i>Bagley 23</i>	COMPANY/NAME <i>WOOD LAKE</i>
SAMPLED BY <i>NJ</i>	COMPANY <i>ECT</i>	GTA PROJECT # <i>102819-5</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>OW-1</i>	<i>10-27-19</i>	<i>6</i>	<i>WTR</i>	<i>CL ED BETX</i>
2	<i>OW-2</i>	<i>↓</i>		<i>↓</i>	<i>↓ ↓ ↓</i>

BILL TO: <i>WOOD LAKE</i>	REPORT TO: <i>LISA</i>
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RELEASED BY <i>MJK</i>	DATE/TIME <i>10-28/19</i>	RECEIVED BY <i>K. OR</i>	DATE/TIME <i>10/28/19 11:45am</i>
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS