

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: MACKINAC ENVIRONMENTAL
Name:
ClientProj: M20-3270
GTA ProjNo: 072920-6

Site Addr: WAZZ'S

MI

Sampled By: PJK/MET
Date Rec: 7/29/2020
Time Rec: 12:50 PM
Date Reported: 8/4/2020

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	WELL	7/27/2020	2:00 PM	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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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 072920 - 1

SAMPLED BY: PJK/MET

NAME:

PROJECT NO: M20-3270

DATE RECEIVED: 7/29/2020

WSSN:

TIME RECEIVED: 12:50 PM

WELL PERMIT:

SAMPLE ID: WELL

TAX ID:

LOCATION: WAZZ'S

DATE SAMPLED: 7/27/2020

TIME SAMPLED: 2:00 PM

SAMPLE MATRIX: WATER

MI

ZIP:

TWP:

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>	<u>Time of Analysis</u>	<u>Reg Limits MCL/[SMCL]</u>
NITRATE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	KC	7/29/2020	1:58 PM	10

LOD = LIMIT OF DETECTION

SMCL = FEDERAL NON-ENFORCEABLE LIMIT, ANALYSIS IN BRACKETS "[]" ARE SMCL.

MCL = MAXIMUM CONTAMINANT LEVEL.

s.u. = STANDARD UNITS

GRAND TRAVERSE ANALYTICAL IS CERTIFIED BY MDEQ FOR COMPLIANCE MONITORING UNDER THE SAFE DRINKING ACT, 1976 PA 399, AS AMENDED.

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DATE RECEIVED: 7/29/2020

TIME RECEIVED: 12:50 PM

MI

ZIP:

TWP:

MODIFIED COLITAG TEST METHOD (ATP D05-0035) - PRESENCE/ABSENCE

<u>No:</u>	<u>SAMPLE RESULT</u>	<u>Drinking Water Reg</u> <u>Limit(MCL)</u>	<u>ANALYST</u>	<u>Date</u> <u>Started</u>	<u>Time</u> <u>Started</u>	<u>Date</u> <u>Completed</u>
SAMPLE ID: WELL			AS	7/29/2020	1:13 PM	7/30/2020
TOTAL COLIFORM BACTERIA	ABSENT	ABSENT				
E. coli BACTERIA	ABSENT	ABSENT				

DISCLAIMER: THE BACTERIA RESULTS CANNOT BE USED FOR COMPLIANCE PURPOSES, 30 HOUR HOLD TIME EXCEEDED.

MCL = MAXIMUM CONTAMINANT LEVEL

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NAME:
PROJECT NO: M20-3270
WSSN:
LOCATION: WAZZ'S

GTA PROJECT NO: 072920-6 - 1
DATE SAMPLED: 7/27/2020
TIME SAMPLED: 2:00 PM
SAMPLE MATRIX: WATER
SAMPLE ID: WELL

SAMPLED BY:: PJK/MET

DATE RECEIVED: 7/29/2020
TIME RECEIVED: 12:50 PM

EPA 524.2 VOLATILE ORGANICS

Units= ug/L (PPB) Analyst= MR

Analyte	Concentration	LOD
ACETONE	ND	25
BENZENE	ND	0.50
BROMOBENZENE	ND	0.50
BROMOCHLOROMETHANE	ND	0.50
BROMODICHLOROMETHANE	4.0	0.50
BROMOFORM	ND	0.50
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	0.50
s-BUTYLBENZENE	ND	0.50
t-BUTYLBENZENE	ND	0.50
CARBON DISULFIDE	ND	0.50
CARBON TETRACHLORIDE	ND	0.50
CHLOROBENZENE	ND	0.50
1-CHLOROBUTANE	ND	0.50
CHLOROFORM	15	0.50
CHLOROETHANE	ND	0.50
CHLOROMETHANE	ND	4.0
2-CHLOROTOLUENE	ND	0.50
4-CHLOROTOLUENE	ND	0.50
DIBROMOCHLOROMETHANE	ND	0.50
DIBROMOMETHANE	ND	0.50
1,2-DIBROMO3CHLOROPROPANE	ND	5.0
1,2-DIBROMOETHANE	ND	0.50
1,2-DICHLOROBENZENE	ND	0.50
1,3-DICHLOROBENZENE	ND	0.50
1,4-DICHLOROBENZENE	ND	0.50
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLOUROMETHANE	ND	0.50
1,1-DICHLOROETHANE	ND	0.50
1,2-DICHLOROETHANE	ND	0.50
1,1-DICHLOROETHENE	ND	0.50
cis-1,2-DICHLOROETHENE	ND	0.50
trans-1,2-DICHLOROETHENE	ND	0.50
1,2-DICHLOROPROPANE	ND	0.50
1,3-DICHLOROPROPANE	ND	0.50
2,2-DICHLOROPROPANE	ND	0.50
1,1-DICHLOROPROPENE	ND	0.50

Date Completed= 7/31/2020

Prep EPA 5030B

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	0.50
trans-1,3-DICHLOROPROPENE	ND	0.50
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	0.50
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	0.50
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	0.50
ISOPROPYLBENZENE	ND	0.50
ISOPROPYLTOLUENE	ND	0.50
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	0.50
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	0.50
STYRENE	ND	0.50
1,1,1,2-TETRACHLOROETHANE	ND	0.50
1,1,2,2-TETRACHLOROETHANE	ND	0.50
TETRACHLOROETHENE	ND	0.50
TOLUENE	ND	0.50
1,2,3-TRICHLOROBENZENE	ND	0.50
1,2,4-TRICHLOROBENZENE	ND	0.50
1,1,1-TRICHLOROETHANE	ND	0.50
1,1,2-TRICHLOROETHANE	ND	0.50
TRICHLOROETHENE	ND	1.0
TRICHLOROFLOUROMETHANE	ND	0.50
1,2,3-TRICHLOROPROPANE	ND	0.50
1,2,4-TRIMETHYLBENZENE	ND	0.50
1,3,5-TRIMETHYLBENZENE	ND	0.50
VINYL CHLORIDE	ND	0.50
XYLENE (TOTAL)	ND	1.5

ND = NOT DETECTED
LOD = LIMIT OF DETECTION

CHAIN OF CUSTODY

PROJECT NUMBER M20-3270	SITE NAME/ADDRESS Wazz's	COMPANY/NAME
SAMPLED BY PJK	COMPANY MET	GTA PROJECT # 072920-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	Well	7-27-20	2:00	H ₂ O	Nitrates, Coliform, E. Coli, Full VOCs
2	MW-1	7-27-20		H ₂ O	ULG + PNAS
3	MW-1 @ 10'	7-22-20		Soil	ULG + PNAS
4	MW-2	7-27-20		H ₂ O	ULG + PNAS
5	MW-2 @ 10'	7-22-20		Soil	ULG + PNAS
6	SB-3 @ 5'	7-22-20		Soil	ULG + PNAS
7	D-1	7-27-20		H ₂ O	ULG
8	D-1 @ 2.5'			Soil	ULG
9	D-2			H ₂ O	ULG + PNAS
10	D-2 @ 2.5'			Soil	ULG + PNAS
11	D-3			H ₂ O	ULG
12	D-3 @ 2.5'			Soil	ULG

BILL TO: met@sault.com

REPORT TO:

Paul Kreski
met@sault.com

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

Paul Kreski 7-27-20

[Signature] 7/29/20 rec 40°C since 12:50

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