

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: FIFE LAKE AREA UTILITY AUTHORITY

Name:

ClientProj: QUARTERLY MONITOR WELLS

GTA ProjNo: 022520-6

Site Addr: 10701 VAN'S LANE

FIFE LAKE

Sampled By: RAY RAVARY/FLAUA

Date Rec: 2/25/2020

Time Rec: 11:32 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-13	2/25/2020	9:15 AM	WATER
2	MW-14	2/25/2020	9:29 AM	WATER
3	MW-5	2/25/2020	9:47 AM	WATER
4	MW-7	2/25/2020	9:58 AM	WATER
5	MW-15	2/25/2020	10:05 AM	WATER
6	MW-12	2/25/2020	10:25 AM	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
830 Robinwood Court
Traverse City, MI 49686
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COMPANY: FIFE LAKE AREA UTILITY AUTHORITY
PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-13

GTA PROJECT NO: 022520-6
GTA SAMPLE NO: 1
DATE RECEIVED: 2/25/2020
TIME RECEIVED: 11:32 AM
DATE SAMPLED: 2/25/2020
TIME SAMPLED: 9:15 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	3/4/2020
CHLORIDE EPA 300.0	30	10	mg/L (PPM)	LV	2/25/2020
CONDUCTIVITY SM2510-B	600	1.0	uS/cm@25C	LV	2/25/2020
NITRATE-N EPA 300.0	3.8	0.10	mg/L (PPM)	LV	2/25/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2020
SODIUM EPA 200.8	37	0.50	mg/L (PPM)	MR	2/26/2020
TOTAL INORGANIC NITROGEN	3.8	0.22	mg/L (PPM)	LV/KC	3/4/2020
TOTAL PHOSPHORUS EPA 365.3	0.054	0.010	mg/L (PPM)	LV	3/5/2020

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: QUARTERLY MONITOR WELLS
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-14

GTA PROJECT NO: 022520-6
GTA SAMPLE NO: 2
DATE RECEIVED: 2/25/2020
TIME RECEIVED: 11:32 AM
DATE SAMPLED: 2/25/2020
TIME SAMPLED: 9:29 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	3/4/2020
CHLORIDE EPA 300.0	23	10	mg/L (PPM)	LV	2/25/2020
CONDUCTIVITY SM2510-B	510	1.0	uS/cm@25C	LV	2/25/2020
NITRATE-N EPA 300.0	2.3	0.10	mg/L (PPM)	LV	2/25/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2020
SODIUM EPA 200.8	23	0.50	mg/L (PPM)	MR	2/26/2020
TOTAL INORGANIC NITROGEN	2.3	0.22	mg/L (PPM)	LV/KC	3/4/2020
TOTAL PHOSPHORUS EPA 365.3	0.37	0.010	mg/L (PPM)	LV	3/5/2020

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PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-5

GTA PROJECT NO: 022520-6
GTA SAMPLE NO: 3
DATE RECEIVED: 2/25/2020
TIME RECEIVED: 11:32 AM
DATE SAMPLED: 2/25/2020
TIME SAMPLED: 9:47 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	3/4/2020
CHLORIDE EPA 300.0	95	10	mg/L (PPM)	LV	2/25/2020
CONDUCTIVITY SM2510-B	620	1.0	uS/cm@25C	LV	2/25/2020
NITRATE-N EPA 300.0	1.5	0.10	mg/L (PPM)	LV	2/25/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2020
SODIUM EPA 200.8	63	0.50	mg/L (PPM)	MR	2/26/2020
TOTAL INORGANIC NITROGEN	1.5	0.22	mg/L (PPM)	LV/KC	3/4/2020
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	3/5/2020

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PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-7

GTA PROJECT NO: 022520-6
GTA SAMPLE NO: 4
DATE RECEIVED: 2/25/2020
TIME RECEIVED: 11:32 AM
DATE SAMPLED: 2/25/2020
TIME SAMPLED: 9:58 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	3/4/2020
CHLORIDE EPA 300.0	41	10	mg/L (PPM)	LV	2/25/2020
CONDUCTIVITY SM2510-B	360	1.0	uS/cm@25C	LV	2/25/2020
NITRATE-N EPA 300.0	0.61	0.10	mg/L (PPM)	LV	2/25/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2020
SODIUM EPA 200.8	54	0.50	mg/L (PPM)	MR	2/26/2020
TOTAL INORGANIC NITROGEN	0.61	0.22	mg/L (PPM)	LV/KC	3/4/2020
TOTAL PHOSPHORUS EPA 365.3	0.039	0.010	mg/L (PPM)	LV	3/5/2020

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PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-15

GTA PROJECT NO: 022520-6
GTA SAMPLE NO: 5
DATE RECEIVED: 2/25/2020
TIME RECEIVED: 11:32 AM
DATE SAMPLED: 2/25/2020
TIME SAMPLED: 10:05 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	3/4/2020
CHLORIDE EPA 300.0	20	10	mg/L (PPM)	LV	2/25/2020
CONDUCTIVITY SM2510-B	470	1.0	uS/cm@25C	LV	2/25/2020
NITRATE-N EPA 300.0	1.7	0.10	mg/L (PPM)	LV	2/25/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2020
SODIUM EPA 200.8	21	0.50	mg/L (PPM)	MR	2/26/2020
TOTAL INORGANIC NITROGEN	1.7	0.22	mg/L (PPM)	LV/KC	3/4/2020
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	3/5/2020

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PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-12

GTA PROJECT NO: 022520-6
GTA SAMPLE NO: 6
DATE RECEIVED: 2/25/2020
TIME RECEIVED: 11:32 AM
DATE SAMPLED: 2/25/2020
TIME SAMPLED: 10:25 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
AMMONIA-N EPA 350.1	<0.015	0.015	mg/L (PPM)	KC	3/4/2020
CHLORIDE EPA 300.0	36	10	mg/L (PPM)	LV	2/25/2020
CONDUCTIVITY SM2510-B	500	1.0	uS/cm@25C	LV	2/25/2020
NITRATE-N EPA 300.0	6.2	0.10	mg/L (PPM)	LV	2/25/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2020
SODIUM EPA 200.8	26	0.50	mg/L (PPM)	MR	2/26/2020
TOTAL INORGANIC NITROGEN	6.2	0.22	mg/L (PPM)	LV/KC	3/4/2020
TOTAL PHOSPHORUS EPA 365.3	0.038	0.010	mg/L (PPM)	LV	3/5/2020

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CHAIN OF CUSTODY

PROJECT NUMBER FLAUA 1/4 MW	SITE NAME/ADDRESS 10701 VAN LANE	COMPANY/NAME FLAUA
SAMPLED BY RAY RAVARY	COMPANY FLAUA	GTA PROJECT # 022500-6 Quarterly MW

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
213	1 MW	2-25-2020	9:15	w/w	Quarterly MW ↓
214	2 MW	2-25-2020	9:29	w/w	
215	3 MW	2-25-2020	9:47	w/w	
217	4 MW	2-25-2020	9:58	w/w	
215	5 MW	2-25-2020	10:05	w/w	
212	6 MW	2-25-2020	10:25	w/w	

BILL TO: H+R Block
6951 Cougar Trail
PO 4026
Kingsley, MI

REPORT TO:
RAVARY @ provide.net
FLAUA @ Att-net

RELEASED BY DATE/TIME

RECEIVED BY DATE/TIME

RAY RAVARY 2-25-2020 11:32

Lin V. [Signature] 2-25-2020 11:32

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