

**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: 022521-6

Site Addr: 10701 VANS LANE

FIFE LAKE

Sampled By: RAY RAVARY/FLAUA

Date Rec: 2/25/2021

Time Rec: 12:35 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-5	2/25/2021	10:19 AM	WATER
2	MW-7	2/25/2021	10:35 AM	WATER
3	MW-12	2/25/2021	10:46 AM	WATER
4	MW-13	2/25/2021	10:57 AM	WATER
5	MW-14	2/25/2021	11:07 AM	WATER
6	MW-15	2/25/2021	11:22 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
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COMPANY: FIFE LAKE AREA UTILITY AUTHORITY
PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VANS LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-5

GTA PROJECT NO: 022521-6
GTA SAMPLE NO: 1
DATE RECEIVED: 2/25/2021
TIME RECEIVED: 12:35 PM
DATE SAMPLED: 2/25/2021
TIME SAMPLED: 10:19 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.030	0.030	mg/L (PPM)	KC	3/3/2021
CHLORIDE EPA 300.0	71	10	mg/L (PPM)	LV	2/25/2021
CONDUCTIVITY SM2510-B	610	1.0	uS/cm@25C	LV	2/25/2021
NITRATE-N EPA 300.0	1.1	0.10	mg/L (PPM)	LV	2/25/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2021
SODIUM EPA 200.8	110	5.0	mg/L (PPM)	MR	3/4/2021
TOTAL INORGANIC NITROGEN	1.1	0.23	mg/L (PPM)	LV/KC	3/3/2021
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	3/2/2021

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 VANS LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-7

GTA PROJECT NO: 022521-6
GTA SAMPLE NO: 2
DATE RECEIVED: 2/25/2021
TIME RECEIVED: 12:35 PM
DATE SAMPLED: 2/25/2021
TIME SAMPLED: 10:35 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.030	0.030	mg/L (PPM)	KC	3/3/2021
CHLORIDE EPA 300.0	15	10	mg/L (PPM)	LV	2/25/2021
CONDUCTIVITY SM2510-B	250	1.0	uS/cm@25C	LV	2/25/2021
NITRATE-N EPA 300.0	0.38	0.10	mg/L (PPM)	LV	2/25/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2021
SODIUM EPA 200.8	29	0.50	mg/L (PPM)	MR	3/4/2021
TOTAL INORGANIC NITROGEN	0.38	0.23	mg/L (PPM)	LV/KC	3/3/2021
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	3/2/2021

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COMPANY: FIFE LAKE AREA UTILITY AUTHORITY
PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VANS LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-12

GTA PROJECT NO: 022521-6
GTA SAMPLE NO: 3
DATE RECEIVED: 2/25/2021
TIME RECEIVED: 12:35 PM
DATE SAMPLED: 2/25/2021
TIME SAMPLED: 10:46 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.030	0.030	mg/L (PPM)	KC	3/3/2021
CHLORIDE EPA 300.0	21	10	mg/L (PPM)	LV	2/25/2021
CONDUCTIVITY SM2510-B	470	1.0	uS/cm@25C	LV	2/25/2021
NITRATE-N EPA 300.0	4.1	0.10	mg/L (PPM)	LV	2/25/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2021
SODIUM EPA 200.8	21	0.50	mg/L (PPM)	MR	3/4/2021
TOTAL INORGANIC NITROGEN	4.1	0.23	mg/L (PPM)	LV/KC	3/3/2021
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	3/2/2021

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PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VANS LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-13

GTA PROJECT NO: 022521-6
GTA SAMPLE NO: 4
DATE RECEIVED: 2/25/2021
TIME RECEIVED: 12:35 PM
DATE SAMPLED: 2/25/2021
TIME SAMPLED: 10:57 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.030	0.030	mg/L (PPM)	KC	3/3/2021
CHLORIDE EPA 300.0	21	10	mg/L (PPM)	LV	2/25/2021
CONDUCTIVITY SM2510-B	550	1.0	uS/cm@25C	LV	2/25/2021
NITRATE-N EPA 300.0	3.3	0.10	mg/L (PPM)	LV	2/25/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2021
SODIUM EPA 200.8	41	0.50	mg/L (PPM)	MR	3/4/2021
TOTAL INORGANIC NITROGEN	3.3	0.23	mg/L (PPM)	LV/KC	3/3/2021
TOTAL PHOSPHORUS EPA 365.3	0.013	0.010	mg/L (PPM)	LV	3/2/2021

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PROJECT NO: QUARTERLY MONITOR WELLS
LOCATION: 10701 VANS LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-14

GTA PROJECT NO: 022521-6
GTA SAMPLE NO: 5
DATE RECEIVED: 2/25/2021
TIME RECEIVED: 12:35 PM
DATE SAMPLED: 2/25/2021
TIME SAMPLED: 11:07 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.030	0.030	mg/L (PPM)	KC	3/3/2021
CHLORIDE EPA 300.0	25	10	mg/L (PPM)	LV	2/25/2021
CONDUCTIVITY SM2510-B	510	1.0	uS/cm@25C	LV	2/25/2021
NITRATE-N EPA 300.0	2.2	0.10	mg/L (PPM)	LV	2/25/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2021
SODIUM EPA 200.8	21	0.50	mg/L (PPM)	MR	3/4/2021
TOTAL INORGANIC NITROGEN	2.2	0.23	mg/L (PPM)	LV/KC	3/3/2021
TOTAL PHOSPHORUS EPA 365.3	0.033	0.010	mg/L (PPM)	LV	3/2/2021

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

GTA PROJECT NO: 022521-6
GTA SAMPLE NO: 6
DATE RECEIVED: 2/25/2021
TIME RECEIVED: 12:35 PM
DATE SAMPLED: 2/25/2021
TIME SAMPLED: 11:22 AM
SAMPLE MATRIX: WATER

SAMPLE RESULTS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	<0.030	0.030	mg/L (PPM)	KC	3/3/2021
CHLORIDE EPA 300.0	34	10	mg/L (PPM)	LV	2/25/2021
CONDUCTIVITY SM2510-B	520	1.0	uS/cm@25C	LV	2/25/2021
NITRATE-N EPA 300.0	3.8	0.10	mg/L (PPM)	LV	2/25/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/25/2021
SODIUM EPA 200.8	22	0.50	mg/L (PPM)	MR	3/4/2021
TOTAL INORGANIC NITROGEN	3.8	0.23	mg/L (PPM)	LV/KC	3/3/2021
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	3/2/2021

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CHAIN OF CUSTODY

PROJECT NUMBER Feb 1/4 MW	SITE NAME/ADDRESS 10701 Vans Lane Fife Lake	COMPANY/NAME FLAUA
SAMPLED BY RAY RAVARY	COMPANY FLAUA	GTA PROJECT # 022521-6 Feb 1/4 MW

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
12	MW 5	2-25-21	10:19	w/w	Quarterly MW
22	MW 7	↓	10:35	w/w	↓
32	MW 12	↓	10:46	w/w	↓
42	MW 13	↓	10:57	w/w	↓
52	MW 14	↓	11:07	w/w	↓
62	MW 15	↓	11:22	w/w	↓

BILL TO: FLAUA
c/o H&R Block
Kingsley

REPORT TO:
RRAVARY @ provide.net
FLAUA @ AH.net

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
RAY RAVARY	2/25/21 1235	K. Chu	2/25/2 12:35p

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