

**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: 052020-6

Site Addr: 10701 VAN'S LANE

FIFE LAKE

Sampled By: RAY RAVARY/FLAUA

Date Rec: 5/20/2020

Time Rec: 12:12 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-13	5/20/2020	9:02 AM	WATER
2	MW-14	5/20/2020	9:14 AM	WATER
3	MW-5	5/20/2020	9:28 AM	WATER
4	MW-7	5/20/2020	9:43 AM	WATER
5	MW-15	5/20/2020	9:59 AM	WATER
6	MW-12	5/20/2020	10:26 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
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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: 052020-6
GTA SAMPLE NO: 1
DATE RECEIVED: 5/20/2020
TIME RECEIVED: 12:12 PM
DATE SAMPLED: 5/20/2020
TIME SAMPLED: 9:02 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<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	6/3/2020
CHLORIDE EPA 300.0	24	10	mg/L (PPM)	KC	5/21/2020
CONDUCTIVITY SM2510-B	650	1.0	uS/cm@25C	KC	5/21/2020
NITRATE-N EPA 300.0	2.5	0.10	mg/L (PPM)	KC	5/21/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	KC	5/21/2020
SODIUM EPA 200.8	25	0.50	mg/L (PPM)	MR	5/26/2020
TOTAL INORGANIC NITROGEN	2.5	0.22	mg/L (PPM)	KC	6/3/2020
TOTAL PHOSPHORUS EPA 365.3	0.049	0.010	mg/L (PPM)	LV	6/4/2020

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: 052020-6
GTA SAMPLE NO: 2
DATE RECEIVED: 5/20/2020
TIME RECEIVED: 12:12 PM
DATE SAMPLED: 5/20/2020
TIME SAMPLED: 9:14 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<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	6/3/2020
CHLORIDE EPA 300.0	20	10	mg/L (PPM)	KC	5/21/2020
CONDUCTIVITY SM2510-B	610	1.0	uS/cm@25C	KC	5/21/2020
NITRATE-N EPA 300.0	3.1	0.10	mg/L (PPM)	KC	5/21/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	KC	5/21/2020
SODIUM EPA 200.8	23	0.50	mg/L (PPM)	MR	5/26/2020
TOTAL INORGANIC NITROGEN	3.1	0.22	mg/L (PPM)	KC	6/3/2020
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	6/4/2020

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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-5

GTA PROJECT NO: 052020-6
GTA SAMPLE NO: 3
DATE RECEIVED: 5/20/2020
TIME RECEIVED: 12:12 PM
DATE SAMPLED: 5/20/2020
TIME SAMPLED: 9:28 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<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	6/3/2020
CHLORIDE EPA 300.0	76	10	mg/L (PPM)	KC	5/21/2020
CONDUCTIVITY SM2510-B	590	1.0	uS/cm@25C	KC	5/21/2020
NITRATE-N EPA 300.0	0.85	0.10	mg/L (PPM)	KC	5/21/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	KC	5/21/2020
SODIUM EPA 200.8	180	5.0	mg/L (PPM)	MR	5/26/2020
TOTAL INORGANIC NITROGEN	0.85	0.22	mg/L (PPM)	KC	6/3/2020
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	6/4/2020

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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-7

GTA PROJECT NO: 052020-6
GTA SAMPLE NO: 4
DATE RECEIVED: 5/20/2020
TIME RECEIVED: 12:12 PM
DATE SAMPLED: 5/20/2020
TIME SAMPLED: 9:43 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<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	6/3/2020
CHLORIDE EPA 300.0	38	10	mg/L (PPM)	KC	5/21/2020
CONDUCTIVITY SM2510-B	320	1.0	uS/cm@25C	KC	5/21/2020
NITRATE-N EPA 300.0	0.60	0.10	mg/L (PPM)	KC	5/21/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	KC	5/21/2020
SODIUM EPA 200.8	140	5.0	mg/L (PPM)	MR	5/26/2020
TOTAL INORGANIC NITROGEN	0.60	0.22	mg/L (PPM)	KC	6/3/2020
TOTAL PHOSPHORUS EPA 365.3	0.032	0.010	mg/L (PPM)	LV	6/4/2020

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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: 052020-6
GTA SAMPLE NO: 5
DATE RECEIVED: 5/20/2020
TIME RECEIVED: 12:12 PM
DATE SAMPLED: 5/20/2020
TIME SAMPLED: 9:59 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<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	6/3/2020
CHLORIDE EPA 300.0	59	10	mg/L (PPM)	KC	5/21/2020
CONDUCTIVITY SM2510-B	580	1.0	uS/cm@25C	KC	5/21/2020
NITRATE-N EPA 300.0	2.9	0.10	mg/L (PPM)	KC	5/21/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	KC	5/21/2020
SODIUM EPA 200.8	130	5.0	mg/L (PPM)	MR	5/26/2020
TOTAL INORGANIC NITROGEN	2.9	0.22	mg/L (PPM)	KC	6/3/2020
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	6/4/2020

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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: 052020-6
GTA SAMPLE NO: 6
DATE RECEIVED: 5/20/2020
TIME RECEIVED: 12:12 PM
DATE SAMPLED: 5/20/2020
TIME SAMPLED: 10:26 AM
SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<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	6/3/2020
CHLORIDE EPA 300.0	36	10	mg/L (PPM)	KC	5/21/2020
CONDUCTIVITY SM2510-B	480	1.0	uS/cm@25C	KC	5/21/2020
NITRATE-N EPA 300.0	7.1	0.10	mg/L (PPM)	KC	5/21/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	KC	5/21/2020
SODIUM EPA 200.8	66	0.50	mg/L (PPM)	MR	5/26/2020
TOTAL INORGANIC NITROGEN	7.1	0.22	mg/L (PPM)	KC	6/3/2020
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	LV	6/4/2020

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CHAIN OF CUSTODY

PROJECT NUMBER Quarterly	SITE NAME/ADDRESS FLAUA 10701 Vans Lane FL M. FLAUA	COMPANY/NAME FLAUA
SAMPLED BY RAY RAVARY	COMPANY FLAUA	GTA PROJECT # 052020-6 Quarterly MW

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	2 MW 13	5-20-20	902	w/w	Quarterly
2	2 MW 14	}	914	w/w	
3	2 MW 5		928		
4	2 MW 7		943		
5	2 MW 15		959		
6	2 MW 12		1026		
7	2 Effluent	↓	1005	↓	Effluent

BILL TO: FLAUA Co
H+R Block Kingsley

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

RELEASED BY DATE/TIME
RAY RAVARY 5-20-20 1212

RECEIVED BY DATE/TIME
[Signature] 5/20/20 1212

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