

**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: 111121-11

Site Addr: 10701 VAN'S LANE

Sampled By: FIFE LAKE
RAY RAVARY/FLAUA

Date Rec: 11/11/2021

Time Rec: 12:36 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-5	11/11/2021	11:03 AM	WATER
2	MW-7	11/11/2021	11:12 AM	WATER
3	MW-13	11/11/2021	10:44 AM	WATER
4	MW-14	11/11/2021	10:51 AM	WATER
5	MW-15	11/11/2021	11:24 AM	WATER
6	MW-12	11/11/2021	11:39 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-5

GTA PROJECT NO: 111121-11
GTA SAMPLE NO: 1
DATE RECEIVED: 11/11/2021
TIME RECEIVED: 12:36 PM
DATE SAMPLED: 11/11/2021
TIME SAMPLED: 11:03 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	<0.015	0.015	mg/L (PPM)	KC	11/23/2021
CHLORIDE EPA 300.0	43	10	mg/L (PPM)	TR	11/12/2021
CONDUCTIVITY SM2510-B	510	1.0	uS/cm@25C	TR	11/12/2021
NITRATE-N EPA 300.0	2.2	0.10	mg/L (PPM)	TR	11/12/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	TR	11/12/2021
SODIUM EPA 200.8	94	0.50	mg/L (PPM)	MR	11/19/2021
TOTAL INORGANIC NITROGEN	2.2	0.22	mg/L (PPM)	KC/TR	11/23/2021
TOTAL PHOSPHORUS EPA 365.3	0.036	0.010	mg/L (PPM)	KC	12/2/2021

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

GTA PROJECT NO: 111121-11
GTA SAMPLE NO: 2
DATE RECEIVED: 11/11/2021
TIME RECEIVED: 12:36 PM
DATE SAMPLED: 11/11/2021
TIME SAMPLED: 11:12 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	<0.015	0.015	mg/L (PPM)	KC	11/23/2021
CHLORIDE EPA 300.0	15	10	mg/L (PPM)	TR	11/12/2021
CONDUCTIVITY SM2510-B	230	1.0	uS/cm@25C	TR	11/12/2021
NITRATE-N EPA 300.0	0.39	0.10	mg/L (PPM)	TR	11/12/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	TR	11/12/2021
SODIUM EPA 200.8	35	0.50	mg/L (PPM)	MR	11/19/2021
TOTAL INORGANIC NITROGEN	0.39	0.22	mg/L (PPM)	KC/TR	11/23/2021
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	12/2/2021

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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: 111121-11
GTA SAMPLE NO: 3
DATE RECEIVED: 11/11/2021
TIME RECEIVED: 12:36 PM
DATE SAMPLED: 11/11/2021
TIME SAMPLED: 10:44 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	<0.015	0.015	mg/L (PPM)	KC	11/23/2021
CHLORIDE EPA 300.0	<10	10	mg/L (PPM)	TR	11/12/2021
CONDUCTIVITY SM2510-B	510	1.0	uS/cm@25C	TR	11/12/2021
NITRATE-N EPA 300.0	2.6	0.10	mg/L (PPM)	TR	11/12/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	TR	11/12/2021
SODIUM EPA 200.8	33	0.50	mg/L (PPM)	MR	11/19/2021
TOTAL INORGANIC NITROGEN	2.6	0.22	mg/L (PPM)	KC/TR	11/23/2021
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	12/2/2021

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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: 111121-11
GTA SAMPLE NO: 4
DATE RECEIVED: 11/11/2021
TIME RECEIVED: 12:36 PM
DATE SAMPLED: 11/11/2021
TIME SAMPLED: 10:51 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	<0.015	0.015	mg/L (PPM)	KC	11/23/2021
CHLORIDE EPA 300.0	34	10	mg/L (PPM)	TR	11/12/2021
CONDUCTIVITY SM2510-B	530	1.0	uS/cm@25C	TR	11/12/2021
NITRATE-N EPA 300.0	2.9	0.10	mg/L (PPM)	TR	11/12/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	TR	11/12/2021
SODIUM EPA 200.8	54	0.50	mg/L (PPM)	MR	11/19/2021
TOTAL INORGANIC NITROGEN	2.9	0.22	mg/L (PPM)	KC/TR	11/23/2021
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	12/2/2021

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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: 111121-11
GTA SAMPLE NO: 5
DATE RECEIVED: 11/11/2021
TIME RECEIVED: 12:36 PM
DATE SAMPLED: 11/11/2021
TIME SAMPLED: 11:24 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	<0.015	0.015	mg/L (PPM)	KC	11/23/2021
CHLORIDE EPA 300.0	53	10	mg/L (PPM)	TR	11/12/2021
CONDUCTIVITY SM2510-B	580	1.0	uS/cm@25C	TR	11/12/2021
NITRATE-N EPA 300.0	3.1	0.10	mg/L (PPM)	TR	11/12/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	TR	11/12/2021
SODIUM EPA 200.8	78	0.50	mg/L (PPM)	MR	11/19/2021
TOTAL INORGANIC NITROGEN	3.1	0.22	mg/L (PPM)	KC/TR	11/23/2021
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	12/2/2021

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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: 111121-11
GTA SAMPLE NO: 6
DATE RECEIVED: 11/11/2021
TIME RECEIVED: 12:36 PM
DATE SAMPLED: 11/11/2021
TIME SAMPLED: 11:39 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	<0.015	0.015	mg/L (PPM)	KC	11/23/2021
CHLORIDE EPA 300.0	23	10	mg/L (PPM)	TR	11/12/2021
CONDUCTIVITY SM2510-B	480	1.0	uS/cm@25C	TR	11/12/2021
NITRATE-N EPA 300.0	3.8	0.10	mg/L (PPM)	TR	11/12/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	TR	11/12/2021
SODIUM EPA 200.8	34	0.50	mg/L (PPM)	MR	11/19/2021
TOTAL INORGANIC NITROGEN	3.8	0.22	mg/L (PPM)	KC/TR	11/23/2021
TOTAL PHOSPHORUS EPA 365.3	0.035	0.010	mg/L (PPM)	KC	12/2/2021

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CHAIN OF CUSTODY

PROJECT NUMBER Quarterly MW	SITE NAME/ADDRESS 10701 Vans Lane F.F. Lake MI	COMPANY/NAME FLAUA
SAMPLED BY RAY RAVARY	COMPANY FLAUA	GTA PROJECT # 11121-11 4th Quarter MW 2021

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
2	MW 5	11-11-21	1103	w/w	Quarterly MW ↓
2	MW 7	"	1112	w/w	
2	MW 13	11	1044	w/w	
2	MW 14	"	1051	w/w	
2	MW 15	"	1124	w/w	
2	MW 12	"	1139	w/w	

BILL TO: FLAUA C/O H+R Block Kingsley		TempRec: ☐ 0.9°C	On Ice? ☒ Y ☐ N	REPORT TO: RRAVARY @ provide.net FLAUA @ Att.net
RELEASED BY RAY RAVARY	DATE/TIME 11-11-21 1236	RECEIVED BY [Signature]	DATE/TIME 11/11/21 12:36	
REQUESTED TAT ☐ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS				