

**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: NOV 23 QUARTERLY
GTA ProjNo: 110223-4

Site Addr: 10701 VAN'S LANE
Sampled By: FIFE LAKE
RAY RAVARY/FLAUA
Date Rec: 11/2/2023
Time Rec: 12:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-5	11/2/2023	9:45 AM	WATER
2	MW-7	11/2/2023	9:50 AM	WATER
3	MW-12	11/2/2023	10:38 AM	WATER
4	MW-13	11/2/2023	8:38 AM	WATER
5	MW-14	11/2/2023	8:55 AM	WATER
6	MW-15	11/2/2023	9:30 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: NOV 23 QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-5

GTA PROJECT NO: 110223-4
GTA SAMPLE NO: 1
DATE RECEIVED: 11/2/2023
TIME RECEIVED: 12:30 PM
DATE SAMPLED: 11/2/2023
TIME SAMPLED: 9:45 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	11/11/2023
CHLORIDE EPA 300.0	110	10	mg/L (PPM)	KC/TR	11/3/2023
CONDUCTIVITY SM2510-B	780	1.0	uS/cm@25C	TR	11/1/2023
NITRATE-N EPA 300.0	2.3	0.20	mg/L (PPM)	KC/TR	11/3/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	11/3/2023
SODIUM EPA 200.8	41	10	mg/L (PPM)	MR	11/9/2023
TOTAL INORGANIC NITROGEN	2.3	0.42	mg/L (PPM)	KC/TR	11/11/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	11/8/2023

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: NOV 23 QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-7

GTA PROJECT NO: 110223-4
GTA SAMPLE NO: 2
DATE RECEIVED: 11/2/2023
TIME RECEIVED: 12:30 PM
DATE SAMPLED: 11/2/2023
TIME SAMPLED: 9:50 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	11/11/2023
CHLORIDE EPA 300.0	62	10	mg/L (PPM)	KC/TR	11/3/2023
CONDUCTIVITY SM2510-B	470	1.0	uS/cm@25C	TR	11/1/2023
NITRATE-N EPA 300.0	1.2	0.20	mg/L (PPM)	KC/TR	11/3/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	11/3/2023
SODIUM EPA 200.8	19	10	mg/L (PPM)	MR	11/9/2023
TOTAL INORGANIC NITROGEN	1.2	0.42	mg/L (PPM)	KC/TR	11/11/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	11/8/2023

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PROJECT NO: NOV 23 QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-12

GTA PROJECT NO: 110223-4
GTA SAMPLE NO: 3
DATE RECEIVED: 11/2/2023
TIME RECEIVED: 12:30 PM
DATE SAMPLED: 11/2/2023
TIME SAMPLED: 10:38 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	11/11/2023
CHLORIDE EPA 300.0	26	10	mg/L (PPM)	KC/TR	11/3/2023
CONDUCTIVITY SM2510-B	490	1.0	uS/cm@25C	TR	11/1/2023
NITRATE-N EPA 300.0	4.9	0.20	mg/L (PPM)	KC/TR	11/3/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	11/3/2023
SODIUM EPA 200.8	<10	10	mg/L (PPM)	MR	11/9/2023
TOTAL INORGANIC NITROGEN	4.9	0.42	mg/L (PPM)	KC/TR	11/11/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	11/8/2023

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PROJECT NO: NOV 23 QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-13

GTA PROJECT NO: 110223-4
GTA SAMPLE NO: 4
DATE RECEIVED: 11/2/2023
TIME RECEIVED: 12:30 PM
DATE SAMPLED: 11/2/2023
TIME SAMPLED: 8:38 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	11/11/2023
CHLORIDE EPA 300.0	<10	10	mg/L (PPM)	KC/TR	11/3/2023
CONDUCTIVITY SM2510-B	590	1.0	uS/cm@25C	TR	11/1/2023
NITRATE-N EPA 300.0	6.6	0.20	mg/L (PPM)	KC/TR	11/3/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	11/3/2023
SODIUM EPA 200.8	<10	10	mg/L (PPM)	MR	11/9/2023
TOTAL INORGANIC NITROGEN	6.6	0.42	mg/L (PPM)	KC/TR	11/11/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	11/8/2023

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PROJECT NO: NOV 23 QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-14

GTA PROJECT NO: 110223-4
GTA SAMPLE NO: 5
DATE RECEIVED: 11/2/2023
TIME RECEIVED: 12:30 PM
DATE SAMPLED: 11/2/2023
TIME SAMPLED: 8:55 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	11/11/2023
CHLORIDE EPA 300.0	32	10	mg/L (PPM)	KC/TR	11/3/2023
CONDUCTIVITY SM2510-B	540	1.0	uS/cm@25C	TR	11/1/2023
NITRATE-N EPA 300.0	1.9	0.20	mg/L (PPM)	KC/TR	11/3/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	11/3/2023
SODIUM EPA 200.8	20	10	mg/L (PPM)	MR	11/9/2023
TOTAL INORGANIC NITROGEN	1.9	0.42	mg/L (PPM)	KC/TR	11/11/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	11/8/2023

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PROJECT NO: NOV 23 QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-15

GTA PROJECT NO: 110223-4
GTA SAMPLE NO: 6
DATE RECEIVED: 11/2/2023
TIME RECEIVED: 12:30 PM
DATE SAMPLED: 11/2/2023
TIME SAMPLED: 9:30 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	11/11/2023
CHLORIDE EPA 300.0	73	10	mg/L (PPM)	KC/TR	11/3/2023
CONDUCTIVITY SM2510-B	660	1.0	uS/cm@25C	TR	11/1/2023
NITRATE-N EPA 300.0	3.5	0.20	mg/L (PPM)	KC/TR	11/3/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	11/3/2023
SODIUM EPA 200.8	32	10	mg/L (PPM)	MR	11/9/2023
TOTAL INORGANIC NITROGEN	3.5	0.42	mg/L (PPM)	KC/TR	11/11/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	11/8/2023

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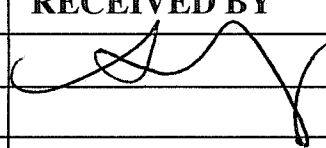
CHAIN OF CUSTODY

PROJECT NUMBER NOV 23 Monitoring wells	SITE NAME/ADDRESS 10701 Vans Lane Fife Lake MI	COMPANY/NAME FLAUA
SAMPLED BY RAY RAVARY	COMPANY FLAUA	GTA PROJECT # 110223-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
2	MW 5	11/02	9:45 ^{AM}	w/w	Quarterly Monitoring Well
2	MW 7	11/02	9:50	w/w	
2	MW 12	11/02	10:38	w/w	
2	MW 13	11/02	9:30 ^{AM}	w/w	
2	MW 14	11/02	8:55 ^{AM}	w/w	
2	MW 15	11/02	9:30 ^{AM}	w/w	

BILL TO: FLAUA C/O H+R Block Kingsley	TempRec: ☐ On Ice? ☒ Y ☐ N 0.10c	REPORT TO: RAVARY ☒ provide.net FLAUA ☒ Att.net
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RELEASED BY RAY RAVARY	DATE/TIME 11/2/23 12:30	RECEIVED BY 	DATE/TIME 11/2/23 12:30
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REQUESTED TAT ☐ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS