

**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: MAY QUARTERLY
GTA ProjNo: 050423-4

Site Addr: 10701 VAN'S LANE
Sampled By: FIFE LAKE
RAY RAVARY/FLAUA
Date Rec: 5/4/2023
Time Rec: 12:46 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-12	5/4/2023	11:36 AM	WATER
2	MW-5	5/4/2023	10:43 AM	WATER
3	MW-7	5/4/2023	10:54 AM	WATER
4	MW-13	5/4/2023	10:04 AM	WATER
5	MW-14	5/4/2023	10:27 AM	WATER
6	MW-15	5/4/2023	11:04 AM	WATER
7	MAY 1ST EFF	5/4/2023	11:45 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: MAY QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-12

GTA PROJECT NO: 050423-4
GTA SAMPLE NO: 1
DATE RECEIVED: 5/4/2023
TIME RECEIVED: 12:46 PM
DATE SAMPLED: 5/4/2023
TIME SAMPLED: 11:36 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	5/22/2023
CHLORIDE EPA 300.0	38	10	mg/L (PPM)	KC/TR	5/5/2023
CONDUCTIVITY SM2510-B	500	1.0	uS/cm@25C	TR	5/5/2023
NITRATE-N EPA 300.0	5.3	0.20	mg/L (PPM)	KC/TR	5/5/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/5/2023
SODIUM EPA 200.8	22	10	mg/L (PPM)	MR	5/10/2023
TOTAL INORGANIC NITROGEN	5.3	0.42	mg/L (PPM)	KC/TR	5/22/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	5/16/2023

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: MAY QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-5

GTA PROJECT NO: 050423-4
GTA SAMPLE NO: 2
DATE RECEIVED: 5/4/2023
TIME RECEIVED: 12:46 PM
DATE SAMPLED: 5/4/2023
TIME SAMPLED: 10:43 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	5/22/2023
CHLORIDE EPA 300.0	130	10	mg/L (PPM)	KC/TR	5/5/2023
CONDUCTIVITY SM2510-B	720	1.0	uS/cm@25C	TR	5/5/2023
NITRATE-N EPA 300.0	1.3	0.20	mg/L (PPM)	KC/TR	5/5/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/5/2023
SODIUM EPA 200.8	54	10	mg/L (PPM)	MR	5/10/2023
TOTAL INORGANIC NITROGEN	1.3	0.42	mg/L (PPM)	KC/TR	5/22/2023
TOTAL PHOSPHORUS EPA 365.3	0.039	0.010	mg/L (PPM)	TR	5/16/2023

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

GTA PROJECT NO: 050423-4
GTA SAMPLE NO: 3
DATE RECEIVED: 5/4/2023
TIME RECEIVED: 12:46 PM
DATE SAMPLED: 5/4/2023
TIME SAMPLED: 10:54 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	5/22/2023
CHLORIDE EPA 300.0	57	10	mg/L (PPM)	KC/TR	5/5/2023
CONDUCTIVITY SM2510-B	360	1.0	uS/cm@25C	TR	5/5/2023
NITRATE-N EPA 300.0	0.91	0.20	mg/L (PPM)	KC/TR	5/5/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/5/2023
SODIUM EPA 200.8	34	10	mg/L (PPM)	MR	5/10/2023
TOTAL INORGANIC NITROGEN	0.91	0.42	mg/L (PPM)	KC/TR	5/22/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	5/16/2023

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COMPANY: FIFE LAKE AREA UTILITY AUTHORITY
PROJECT NO: MAY QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-13

GTA PROJECT NO: 050423-4
GTA SAMPLE NO: 4
DATE RECEIVED: 5/4/2023
TIME RECEIVED: 12:46 PM
DATE SAMPLED: 5/4/2023
TIME SAMPLED: 10:04 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	5/22/2023
CHLORIDE EPA 300.0	20	10	mg/L (PPM)	KC/TR	5/5/2023
CONDUCTIVITY SM2510-B	610	1.0	uS/cm@25C	TR	5/5/2023
NITRATE-N EPA 300.0	5.9	0.20	mg/L (PPM)	KC/TR	5/5/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/5/2023
SODIUM EPA 200.8	<10	10	mg/L (PPM)	MR	5/10/2023
TOTAL INORGANIC NITROGEN	5.9	0.42	mg/L (PPM)	KC/TR	5/22/2023
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	TR	5/16/2023

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COMPANY: FIFE LAKE AREA UTILITY AUTHORITY
PROJECT NO: MAY QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-14

GTA PROJECT NO: 050423-4
GTA SAMPLE NO: 5
DATE RECEIVED: 5/4/2023
TIME RECEIVED: 12:46 PM
DATE SAMPLED: 5/4/2023
TIME SAMPLED: 10:27 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	5/22/2023
CHLORIDE EPA 300.0	31	10	mg/L (PPM)	KC/TR	5/5/2023
CONDUCTIVITY SM2510-B	610	1.0	uS/cm@25C	TR	5/5/2023
NITRATE-N EPA 300.0	2.9	0.20	mg/L (PPM)	KC/TR	5/5/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/5/2023
SODIUM EPA 200.8	<10	10	mg/L (PPM)	MR	5/10/2023
TOTAL INORGANIC NITROGEN	2.9	0.42	mg/L (PPM)	KC/TR	5/22/2023
TOTAL PHOSPHORUS EPA 365.3	0.055	0.010	mg/L (PPM)	TR	5/16/2023

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

GTA PROJECT NO: 050423-4
GTA SAMPLE NO: 6
DATE RECEIVED: 5/4/2023
TIME RECEIVED: 12:46 PM
DATE SAMPLED: 5/4/2023
TIME SAMPLED: 11:04 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	5/22/2023
CHLORIDE EPA 300.0	76	10	mg/L (PPM)	KC/TR	5/5/2023
CONDUCTIVITY SM2510-B	650	1.0	uS/cm@25C	TR	5/5/2023
NITRATE-N EPA 300.0	3.9	0.20	mg/L (PPM)	KC/TR	5/5/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/5/2023
SODIUM EPA 200.8	34	10	mg/L (PPM)	MR	5/10/2023
TOTAL INORGANIC NITROGEN	3.9	0.42	mg/L (PPM)	KC/TR	5/22/2023
TOTAL PHOSPHORUS EPA 365.3	0.048	0.010	mg/L (PPM)	TR	5/16/2023

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PROJECT NO: MAY QUARTERLY
LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MAY 1ST EFF

GTA PROJECT NO: 050423-4
GTA SAMPLE NO: 7
DATE RECEIVED: 5/4/2023
TIME RECEIVED: 12:46 PM
DATE SAMPLED: 5/4/2023
TIME SAMPLED: 11:45 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	21	0.15	mg/L (PPM)	KC	5/22/2023
CHLORIDE EPA 300.0	150	10	mg/L (PPM)	KC/TR	5/5/2023
NITRATE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/5/2023
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/5/2023
SODIUM EPA 200.8	79	10	mg/L (PPM)	MR	5/10/2023
TOTAL INORGANIC NITROGEN	21	0.42	mg/L (PPM)	KC/TR	5/22/2023
TOTAL PHOSPHORUS EPA 365.3	2.3	0.010	mg/L (PPM)	TR	5/16/2023

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CHAIN OF CUSTODY

PROJECT NUMBER May Quarterly	SITE NAME/ADDRESS FLAUA 10701 Vans Lane F.F. Lake MI: 49633	COMPANY/NAME FLAUA
SAMPLED BY Ray Ravary	COMPANY FLAUA	GTA PROJECT # 050423-4 2023 May Quarterly

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
2	MW 12	5-4-23	1136	w/w	Quarterly MW
2	MW 5	↓	1043	w/w	↓
2	MW 7	↓	1054	w/w	↓
2	MW 13	↓	1004	w/w	↓
2	MW 14	↓	1027	w/w	↓
2	MW 15	↓	1104	w/w	↓
2	May 1st Eff	↓	1145	w/w	Bi Monthly Effluent

BILL TO:

FLAUA C/O
H&R Block

TempRec: ☐

1.0°C

On Ice? ☒ Y ☐ N

REPORT TO:

RRAVARY @ provide.net
FLAUA @ Att.net

RELEASED BY

DATE/TIME

RAY RAVARY 5-4-23 1246

RECEIVED BY

DATE/TIME

[Signature] 5/4/23 1246

REQUESTED TAT

☒ STANDARD

☐ 1 BUSINESS DAY

☐ 2 BUSINESS DAYS

☐ 3 BUSINESS DAYS