

**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: 051822-3

Site Addr: 10701 VAN'S LANE
Sampled By: FIFE LAKE
RAY RAVARY/FLAUA
Date Rec: 5/18/2022
Time Rec: 1:50 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-13	5/18/2022	11:14 AM	WATER
2	MW-14	5/18/2022	11:31 AM	WATER
3	MW-5	5/18/2022	11:43 AM	WATER
4	MW-7	5/18/2022	12:00 PM	WATER
5	MW-15	5/18/2022		WATER
6	MW-12	5/18/2022		WATER
7	EFFLUENT	5/18/2022		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
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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: 051822-3
GTA SAMPLE NO: 1
DATE RECEIVED: 5/18/2022
TIME RECEIVED: 1:50 PM
DATE SAMPLED: 5/18/2022
TIME SAMPLED: 11:14 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	6/2/2022
CHLORIDE EPA 300.0	16	10	mg/L (PPM)	KC/TR	5/20/2022
CONDUCTIVITY SM2510-B	540	1.0	uS/cm@25C	KC	6/3/2022
NITRATE-N EPA 300.0	3.9	0.20	mg/L (PPM)	KC/TR	5/20/2022
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/20/2022
SODIUM EPA 200.8	39	0.50	mg/L (PPM)	MR	6/1/2022
TOTAL INORGANIC NITROGEN	3.9	0.42	mg/L (PPM)	KC	6/2/2022
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	6/2/2022

ND = NOT DETECTED, RESULT < LOD

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LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-14

GTA PROJECT NO: 051822-3
GTA SAMPLE NO: 2
DATE RECEIVED: 5/18/2022
TIME RECEIVED: 1:50 PM
DATE SAMPLED: 5/18/2022
TIME SAMPLED: 11:31 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	6/2/2022
CHLORIDE EPA 300.0	25	10	mg/L (PPM)	KC/TR	5/20/2022
CONDUCTIVITY SM2510-B	480	1.0	uS/cm@25C	KC	6/3/2022
NITRATE-N EPA 300.0	1.6	0.20	mg/L (PPM)	KC/TR	5/20/2022
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/20/2022
SODIUM EPA 200.8	37	0.50	mg/L (PPM)	MR	6/1/2022
TOTAL INORGANIC NITROGEN	1.6	0.42	mg/L (PPM)	KC	6/2/2022
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	6/2/2022

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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-5

GTA PROJECT NO: 051822-3
GTA SAMPLE NO: 3
DATE RECEIVED: 5/18/2022
TIME RECEIVED: 1:50 PM
DATE SAMPLED: 5/18/2022
TIME SAMPLED: 11:43 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	6/2/2022
CHLORIDE EPA 300.0	110	10	mg/L (PPM)	KC/TR	5/20/2022
CONDUCTIVITY SM2510-B	640	1.0	uS/cm@25C	KC	6/3/2022
NITRATE-N EPA 300.0	1.2	0.20	mg/L (PPM)	KC/TR	5/20/2022
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/20/2022
SODIUM EPA 200.8	150	0.50	mg/L (PPM)	MR	6/1/2022
TOTAL INORGANIC NITROGEN	1.2	0.42	mg/L (PPM)	KC	6/2/2022
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	6/2/2022

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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: 051822-3
GTA SAMPLE NO: 4
DATE RECEIVED: 5/18/2022
TIME RECEIVED: 1:50 PM
DATE SAMPLED: 5/18/2022
TIME SAMPLED: 12:00 PM
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	6/2/2022
CHLORIDE EPA 300.0	19	10	mg/L (PPM)	KC/TR	5/20/2022
CONDUCTIVITY SM2510-B	250	1.0	uS/cm@25C	KC	6/3/2022
NITRATE-N EPA 300.0	0.68	0.20	mg/L (PPM)	KC/TR	5/20/2022
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/20/2022
SODIUM EPA 200.8	78	0.50	mg/L (PPM)	MR	6/1/2022
TOTAL INORGANIC NITROGEN	0.68	0.42	mg/L (PPM)	KC	6/2/2022
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	6/2/2022

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LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-15

GTA PROJECT NO: 051822-3
GTA SAMPLE NO: 5
DATE RECEIVED: 5/18/2022
TIME RECEIVED: 1:50 PM
DATE SAMPLED: 5/18/2022
TIME SAMPLED:
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	6/2/2022
CHLORIDE EPA 300.0	47	10	mg/L (PPM)	KC/TR	5/20/2022
CONDUCTIVITY SM2510-B	550	1.0	uS/cm@25C	KC	6/3/2022
NITRATE-N EPA 300.0	3.1	0.20	mg/L (PPM)	KC/TR	5/20/2022
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/20/2022
SODIUM EPA 200.8	99	0.50	mg/L (PPM)	MR	6/1/2022
TOTAL INORGANIC NITROGEN	3.1	0.42	mg/L (PPM)	KC	6/2/2022
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	6/2/2022

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LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: MW-12

GTA PROJECT NO: 051822-3
GTA SAMPLE NO: 6
DATE RECEIVED: 5/18/2022
TIME RECEIVED: 1:50 PM
DATE SAMPLED: 5/18/2022
TIME SAMPLED:
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	6/2/2022
CHLORIDE EPA 300.0	40	10	mg/L (PPM)	KC/TR	5/20/2022
CONDUCTIVITY SM2510-B	500	1.0	uS/cm@25C	KC	6/3/2022
NITRATE-N EPA 300.0	5.2	0.20	mg/L (PPM)	KC/TR	5/20/2022
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/20/2022
SODIUM EPA 200.8	120	0.50	mg/L (PPM)	MR	6/1/2022
TOTAL INORGANIC NITROGEN	5.2	0.42	mg/L (PPM)	KC	6/2/2022
TOTAL PHOSPHORUS EPA 365.3	<0.010	0.010	mg/L (PPM)	KC	6/2/2022

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LOCATION: 10701 VAN'S LANE
FIFE LAKE
MI
SAMPLED BY: RAY RAVARY/FLAUA
SAMPLE ID: EFFLUENT

GTA PROJECT NO: 051822-3
GTA SAMPLE NO: 7
DATE RECEIVED: 5/18/2022
TIME RECEIVED: 1:50 PM
DATE SAMPLED: 5/18/2022
TIME SAMPLED:
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	12	0.075	mg/L (PPM)	KC	6/2/2022
CHLORIDE EPA 300.0	210	10	mg/L (PPM)	KC/TR	5/20/2022
NITRATE-N EPA 300.0	0.32	0.20	mg/L (PPM)	KC/TR	5/20/2022
NITRITE-N EPA 300.0	<0.20	0.20	mg/L (PPM)	KC/TR	5/20/2022
SODIUM EPA 200.8	200	0.50	mg/L (PPM)	MR	6/1/2022
TOTAL INORGANIC NITROGEN	12	0.48	mg/L (PPM)	KC	6/2/2022
TOTAL PHOSPHORUS EPA 365.3	1.3	0.010	mg/L (PPM)	KC	6/2/2022

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