

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: VILLAGE OF KALKASKA
Name:
ClientProj: QUARTERLY
GTA ProjNo: 021120-1

Site Addr: 1005 ISLAND LAKE RD
KALKASKA
Sampled By: JAKE TURNIPSEED/VOK
Date Rec: 2/11/2020
Time Rec: 10:45 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	2/10/2020	2:44 PM	WATER
2	MW-2D	2/10/2020	11:00 AM	WATER
3	MW-2S	2/10/2020	12:04 PM	WATER
4	MW-3	2/10/2020	2:30 PM	WATER
5	MW-4	2/10/2020	9:35 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
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: VILLAGE OF KALKASKA

PROJECT NO: QUARTERLY

LOCATION: 1005 ISLAND LAKE RD
KALKASKA
MI

SAMPLED BY: JAKE TURNIPSEED/VOK

SAMPLE ID: MW-1

GTA PROJECT NO: 021120-1

GTA SAMPLE NO: 1

DATE RECEIVED: 2/11/2020
TIME RECEIVED: 10:45 AMDATE SAMPLED: 2/10/2020
TIME SAMPLED: 2:44 PM

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	2/20/2020
CHLORIDE EPA 300.0	<10	10	mg/L (PPM)	LV	2/11/2020
CONDUCTIVITY SM2510-B	300	1.0	uS/cm@25C	LV	2/11/2020
NITRATE-N EPA 300.0	0.29	0.10	mg/L (PPM)	LV	2/11/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/11/2020
SODIUM EPA 200.8	5.9	0.50	mg/L (PPM)	MR	2/15/2020
TOTAL PHOSPHORUS EPA 365.2	0.032	0.010	mg/L (PPM)	LV	2/13/2020

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: VILLAGE OF KALKASKA

PROJECT NO: QUARTERLY

LOCATION: 1005 ISLAND LAKE RD
KALKASKA
MI

SAMPLED BY: JAKE TURNIPSEED/VOK

SAMPLE ID: MW-2D

GTA PROJECT NO: 021120-1

GTA SAMPLE NO: 2

DATE RECEIVED: 2/11/2020
TIME RECEIVED: 10:45 AMDATE SAMPLED: 2/10/2020
TIME SAMPLED: 11:00 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	2/20/2020
CHLORIDE EPA 300.0	140	10	mg/L (PPM)	LV	2/11/2020
CONDUCTIVITY SM2510-B	840	1.0	uS/cm@25C	LV	2/11/2020
NITRATE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/11/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/11/2020
SODIUM EPA 200.8	33	0.50	mg/L (PPM)	MR	2/15/2020
TOTAL PHOSPHORUS EPA 365.2	<0.010	0.010	mg/L (PPM)	LV	2/13/2020

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: VILLAGE OF KALKASKA

PROJECT NO: QUARTERLY

LOCATION: 1005 ISLAND LAKE RD
KALKASKA
MI

SAMPLED BY: JAKE TURNIPSEED/VOK

SAMPLE ID: MW-2S

GTA PROJECT NO: 021120-1

GTA SAMPLE NO: 3

DATE RECEIVED: 2/11/2020
TIME RECEIVED: 10:45 AMDATE SAMPLED: 2/10/2020
TIME SAMPLED: 12:04 PM

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	2/20/2020
CHLORIDE EPA 300.0	130	10	mg/L (PPM)	LV	2/11/2020
CONDUCTIVITY SM2510-B	740	1.0	uS/cm@25C	LV	2/11/2020
NITRATE-N EPA 300.0	2.6	0.10	mg/L (PPM)	LV	2/11/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/11/2020
SODIUM EPA 200.8	39	0.50	mg/L (PPM)	MR	2/15/2020
TOTAL PHOSPHORUS EPA 365.2	0.20	0.010	mg/L (PPM)	LV	2/13/2020

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: VILLAGE OF KALKASKA

PROJECT NO: QUARTERLY

LOCATION: 1005 ISLAND LAKE RD
KALKASKA
MI

SAMPLED BY: JAKE TURNIPSEED/VOK

SAMPLE ID: MW-3

GTA PROJECT NO: 021120-1

GTA SAMPLE NO: 4

DATE RECEIVED: 2/11/2020
TIME RECEIVED: 10:45 AMDATE SAMPLED: 2/10/2020
TIME SAMPLED: 2:30 PM

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	0.10	0.015	mg/L (PPM)	KC	2/20/2020
CHLORIDE EPA 300.0	<10	10	mg/L (PPM)	LV	2/11/2020
CONDUCTIVITY SM2510-B	330	1.0	uS/cm@25C	LV	2/11/2020
NITRATE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/11/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/11/2020
SODIUM EPA 200.8	5.4	0.50	mg/L (PPM)	MR	2/15/2020
TOTAL PHOSPHORUS EPA 365.2	<0.010	0.010	mg/L (PPM)	LV	2/13/2020

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: VILLAGE OF KALKASKA

PROJECT NO: QUARTERLY

LOCATION: 1005 ISLAND LAKE RD
KALKASKA
MI

SAMPLED BY: JAKE TURNIPSEED/VOK

SAMPLE ID: MW-4

GTA PROJECT NO: 021120-1

GTA SAMPLE NO: 5

DATE RECEIVED: 2/11/2020
TIME RECEIVED: 10:45 AMDATE SAMPLED: 2/10/2020
TIME SAMPLED: 9:35 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	2/20/2020
CHLORIDE EPA 300.0	<10	10	mg/L (PPM)	LV	2/11/2020
CONDUCTIVITY SM2510-B	280	1.0	uS/cm@25C	LV	2/11/2020
NITRATE-N EPA 300.0	0.63	0.10	mg/L (PPM)	LV	2/11/2020
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	2/11/2020
SODIUM EPA 200.8	8.0	0.50	mg/L (PPM)	MR	2/15/2020
TOTAL PHOSPHORUS EPA 365.2	0.33	0.010	mg/L (PPM)	LV	2/13/2020

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

830 Robinwood Court
Traverse City, MI 49686
Phone (231) 929-0905 Fax (231) 929-0894

Chain of Custody Record

[illegible]