

**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: WEEKLY
GTA ProjNo: 082719-1

Site Addr: 1005 ISLAND LAKE RD
KALKASKA
Sampled By: BRENDON WOLF/VOK
Date Rec: 8/27/2019
Time Rec: 9:45 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	INFLUENT	8/27/2019	7:18 AM	WATER
2	EFFLUENT	8/27/2019	7:09 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 L 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: WEEKLY

LOCATION: 1005 ISLAND LAKE RD
KALKASKA
MI

SAMPLED BY: BRENDON WOLF/VOK

SAMPLE ID: INFLUENT

GTA PROJECT NO: 082719-1

GTA SAMPLE NO: 1

DATE RECEIVED: 8/27/2019
TIME RECEIVED: 9:45 AM

DATE SAMPLED: 8/27/2019
TIME SAMPLED: 7:18 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	28	0.30	mg/L (PPM)	KC	8/27/2019

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	GTA PROJECT NO:	082719-1
PROJECT NO:	WEEKLY	GTA SAMPLE NO:	2
LOCATION:	1005 ISLAND LAKE RD	DATE RECEIVED:	8/27/2019
	KALKASKA	TIME RECEIVED:	9:45 AM
	MI	DATE SAMPLED:	8/27/2019
SAMPLED BY:	BRENDON WOLF/VOK	TIME SAMPLED:	7:09 AM
SAMPLE ID:	EFFLUENT	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	<0.030	0.030	mg/L (PPM)	KC	8/27/2019
NITRATE-N EPA 300.0	0.86	0.10	mg/L (PPM)	LV	8/27/2019
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	8/27/2019

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED

1 QC EPA 300.0 ANIONS

CONTINUING CAL

DATE: 8/27/2019

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%DEV</u>	<u>+/-10%?</u>
NITRATE-N	3.52	3.65	-1.8	PASS
NITRITE-N	3.04	2.99	0.8	PASS

BLANK

DATE: 8/27/2019

	<u>OBS PPM</u>	<u><0.1PPM?</u>
NITRATE-N	0	PASS
NITRITE-N	0	PASS

SPIKE/DUP SPIKE

DATE: 8/27/2019

SAMPLE: PROC BLANK

	<u>SPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
NITRATE-N	1.80	1.84	97.8	PASS
NITRITE-N	5.76	6.08	94.7	PASS

DUP SPK NOT DONE	<u>DSPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
NITRATE-N	1.82	1.84	98.9	PASS
NITRITE-N	5.98	6.08	98.4	PASS

	<u>SPK</u>	<u>DSPK</u>	<u>%DEV</u>	<u>+/-10%?</u>
NITRATE-N	97.8	98.9	-0.6	PASS
NITRITE-N	94.7	98.4	-1.9	PASS

3 QC AMMONIA-N EPA 350.1

CONTINUING CAL

DATE: 8/27/2019

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%DEV</u>	<u>+/-10%?</u>
AMMONIA-N	0.50	0.53	-2.9	PASS

PROCEDURAL BLANK

DATE: 8/27/2019

	<u>OBS PPM</u>	<u><0.01PPM?</u>
AMMONIA-N	0	PASS

SPIKE/DUP SPIKE

DATE: 8/27/2019

SAMPLE: 082019-3-1

	<u>SPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
AMMONIA-N	0.55	0.5	110.0	PASS

	<u>DSPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
AMMONIA-N	0.52	0.5	104.0	PASS

	<u>SPK</u>	<u>DSPK</u>	<u>%DEV</u>	<u>+/-15%?</u>
AMMONIA-N	110	104	2.8	PASS

Phone (231) 929-0905 Fax (231) 929-0894

Chain of Custody Record

[illegible]