



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: 101519-2

Site Addr: 1005 ISLAND LAKE RD

KALKASKA

Sampled By: JAKE TURNIPSEED/VOK

Date Rec: 10/15/2019

Time Rec: 12:59 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	INFLUENT	10/15/2019	7:37 AM	WATER
2	EFFLUENT	10/15/2019	7:43 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

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COMPANY: VILLAGE OF KALKASKA

PROJECT NO: WEEKLY

LOCATION: 1005 ISLAND LAKE RD

KALKASKA
MI

SAMPLED BY: JAKE TURNIPSEED/VOK

SAMPLE ID: INFLUENT

GTA PROJECT NO: 101519-2

GTA SAMPLE NO: 1

DATE RECEIVED: 10/15/2019

TIME RECEIVED: 12:59 PM

DATE SAMPLED: 10/15/2019

TIME SAMPLED: 7:37 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	30	0.30	mg/L (PPM)	KC	10/23/2019

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED

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COMPANY: VILLAGE OF KALKASKA

PROJECT NO: WEEKLY

LOCATION: 1005 ISLAND LAKE RD
KALKASKA
MI

SAMPLED BY: JAKE TURNIPSEED/VOK

SAMPLE ID: EFFLUENT

GTA PROJECT NO: 101519-2

GTA SAMPLE NO: 2

DATE RECEIVED: 10/15/2019
TIME RECEIVED: 12:59 PMDATE SAMPLED: 10/15/2019
TIME SAMPLED: 7:43 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	<0.030	0.030	mg/L (PPM)	KC	10/23/2019
NITRATE-N EPA 300.0	0.79	0.10	mg/L (PPM)	LV	10/15/2019
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	10/15/2019

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: 10/15/2019

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%DEV</u>	<u>+/-10%?</u>
NITRATE-N	3.52	3.67	-2.1	PASS
NITRITE-N	3.04	3.19	-2.4	PASS

BLANK

DATE: 10/15/2019

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

SPIKE/DUP SPIKE

DATE: 10/15/2019

SAMPLE: PROC BLANK

	<u>SPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
NITRATE-N	1.99	1.84	108.2	PASS
NITRITE-N	6.47	6.08	106.4	PASS

	<u>DSPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
DUP SPK NOT DONE NITRATE-N	2.05	1.84	111.4	PASS
NITRITE-N	6.63	6.08	109.0	PASS

	<u>SPK</u>	<u>DSPK</u>	<u>%DEV</u>	<u>+/-10%?</u>
NITRATE-N	108.2	111.4	-1.5	PASS
NITRITE-N	106.4	109.0	-1.2	PASS

3 QC AMMONIA-N EPA 350.1

CONTINUING CAL

DATE: 10/23/2019

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%DEV</u>	<u>+/-10%?</u>
AMMONIA-N	0.50	0.47	3.1	PASS

PROCEDURAL BLANK

DATE: 10/23/2019

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

SPIKE/DUP SPIKE

DATE: 10/23/2019

SAMPLE: 101719-5-1

	<u>SPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
AMMONIA-N	0.42	0.5	84.0	PASS

	<u>DSPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
AMMONIA-N	0.51	0.5	102.0	PASS

	<u>SPK</u>	<u>DSPK</u>	<u>%DEV</u>	<u>+/-15%?</u>
AMMONIA-N	84	102	-9.7	PASS

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Chain of Custody Record

[illegible]