



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: 011221-2

Site Addr: 1005 ISLAND LAKE RD
KALKASKA
Sampled By: JAKE TURNIPSEED/VOK
Date Rec: 1/12/2021
Time Rec: 1:50 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	INFLUENT	1/12/2021	8:16 AM	WATER
2	EFFLUENT	1/12/2021	8:20 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
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COMPANY:	VILLAGE OF KALKASKA	GTA PROJECT NO:	011221-2
PROJECT NO:	WEEKLY	GTA SAMPLE NO:	1
LOCATION:	1005 ISLAND LAKE RD	DATE RECEIVED:	1/12/2021
	KALKASKA	TIME RECEIVED:	1:50 PM
	MI	DATE SAMPLED:	1/12/2021
SAMPLED BY:	JAKE TURNIPSEED/VOK	TIME SAMPLED:	8:16 AM
SAMPLE ID:	INFLUENT	SAMPLE MATRIX:	WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
AMMONIA-N EPA 350.1	31	0.30	mg/L (PPM)	KC	1/20/2021

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	GTA PROJECT NO:	011221-2
PROJECT NO:	WEEKLY	GTA SAMPLE NO:	2
LOCATION:	1005 ISLAND LAKE RD	DATE RECEIVED:	1/12/2021
	KALKASKA	TIME RECEIVED:	1:50 PM
	MI	DATE SAMPLED:	1/12/2021
SAMPLED BY:	JAKE TURNIPSEED/VOK	TIME SAMPLED:	8:20 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 Completed</u>
AMMONIA-N EPA 350.1	0.14	0.030	mg/L (PPM)	KC	1/20/2021
NITRATE-N EPA 300.0	1.3	0.10	mg/L (PPM)	LV	1/12/2021
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	1/12/2021

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: 1/12/2021

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%DEV</u>	<u>+/-10%?</u>
NITRATE-N	3.52	3.55	-0.4	PASS
NITRITE-N	3.01	3.11	-1.6	PASS

BLANK

DATE: 1/12/2021

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

SPIKE/DUP SPIKE

DATE: 1/12/2021

SAMPLE: PROC BLANK

	<u>SPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
NITRATE-N	1.82	1.84	98.9	PASS
NITRITE-N	6.22	6.08	102.3	PASS

DUP SPK NOT DONE	<u>DSPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
NITRATE-N	1.80	1.84	97.8	PASS
NITRITE-N	6.14	6.08	101.0	PASS

	<u>SPK</u>	<u>DSPK</u>	<u>%DEV</u>	<u>+/-10%?</u>
NITRATE-N	98.9	97.8	0.6	PASS
NITRITE-N	102.3	101.0	0.6	PASS

3 QC AMMONIA-N EPA 350.1

CONTINUING CAL

DATE: 1/20/2021

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%DEV</u>	<u>+/-10%?</u>
AMMONIA-N	0.50	0.50	0.0	PASS

PROCEDURAL BLANK

DATE: 1/20/2021

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

SPIKE/DUP SPIKE

DATE: 1/20/2021

SAMPLE: 120120-2-2

	<u>SPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
AMMONIA-N	0.59	0.5	118.0	PASS

	<u>DSPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
AMMONIA-N	0.58	0.5	116.0	PASS

	<u>SPK</u>	<u>DSPK</u>	<u>%DEV</u>	<u>+/-15%?</u>
AMMONIA-N	118	116	0.9	PASS

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

Chain of Custody Record

Client Information						Analysis Requested																
Sampler: Lake Turnipseed Client Contact: Brendon Wolf Company: Village of Kalkaska Address: 1005 Island Lake Road City: Kalkaska State, Zip: MI, 49646 Phone: 231-258-4772 Email: cwp@kalkaskavillage.com Project Name: Weekly/Monthly Site: KWWTP						Lab PM: Chase, Kirk L. E-Mail: kirk@gtanalytical.com Carrier Tracking No(s): COC No: 0110221-2 Page: Page 1 of 1 Job #:																
Due Date Requested: TAT Requested (days): PO #: PO Not Required WO #: Project #: SSOW#:						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:																
Sample Identification						Nitrate/Nitrite	Ammonia-Nitrogen	Total Phosphorus	Chloride	Sodium						Special Instructions/Note:						
Influent	1-12-21	8:16	C	W			W	M														
Effluent	1-12-21	8:20	G	W		W	W	M	M	M												
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:																
Empty Kit Relinquished by:						Date:	Time:				Method of Shipment:											
Relinquished by: [Signature]						Date/Time: 1-12-21 13:50	Company: KwwTp				Received by:				Date/Time:	Company:						
Relinquished by:						Date/Time:	Company:				Received by:				Date/Time:	Company:						
Relinquished by:						Date/Time:	Company:				Received by: K Chn				Date/Time: 1/12/21 1:50P	Company:						
Custody Seals Intact: Δ Yes Δ No						Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: per Cold Fridge												