



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: 051419-2

Site Addr: 1005 ISLAND LAKE RD
KALKASKA
Sampled By: BRENDON WOLF/VOK
Date Rec: 5/14/2019
Time Rec: 9:57 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	INFLUENT	5/14/2019	7:43 AM	WATER
2	EFFLUENT	5/14/2019	7:50 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
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COMPANY:	VILLAGE OF KALKASKA	GTA PROJECT NO:	051419-2
PROJECT NO:	WEEKLY	GTA SAMPLE NO:	1
LOCATION:	1005 ISLAND LAKE RD	DATE RECEIVED:	5/14/2019
	KALKASKA	TIME RECEIVED:	9:57 AM
	MI	DATE SAMPLED:	5/14/2019
		TIME SAMPLED:	7:43 AM
SAMPLED BY:	BRENDON WOLF/VOK	SAMPLE MATRIX:	WATER
SAMPLE ID:	INFLUENT		

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	24	0.30	mg/L (PPM)	KC	5/21/2019

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	GTA PROJECT NO:	051419-2
PROJECT NO:	WEEKLY	GTA SAMPLE NO:	2
LOCATION:	1005 ISLAND LAKE RD	DATE RECEIVED:	5/14/2019
	KALKASKA	TIME RECEIVED:	9:57 AM
	MI	DATE SAMPLED:	5/14/2019
		TIME SAMPLED:	7:50 AM
SAMPLED BY:	BRENDON WOLF/VOK	SAMPLE MATRIX:	WATER
SAMPLE ID:	EFFLUENT		

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	5/21/2019
NITRATE-N EPA 300.0	0.30	0.10	mg/L (PPM)	LV	5/14/2019
NITRITE-N EPA 300.0	<0.10	0.10	mg/L (PPM)	LV	5/14/2019

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: 5/14/2019

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%DEV</u>	<u>+/-10%?</u>
NITRATE-N	3.52	3.68	-2.2	PASS
NITRITE-N	3.04	3.1	-1.0	PASS

BLANK

DATE: 5/14/2019

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

SPIKE/DUP SPIKE

DATE: 5/14/2019

SAMPLE: 043019-6-1

	<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	6.09	6.08	100.2	PASS

DUP SPK NOT DONE	<u>DSPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
NITRATE-N	1.83	1.84	99.5	PASS
NITRITE-N	6.12	6.08	100.7	PASS

	<u>SPK</u>	<u>DSPK</u>	<u>%DEV</u>	<u>+/-10%?</u>
NITRATE-N	98.9	99.5	-0.3	PASS
NITRITE-N	100.2	100.7	-0.2	PASS

3 QC AMMONIA-N EPA 350.1

CONTINUING CAL

DATE: 5/21/2019

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%DEV</u>	<u>+/-10%?</u>
AMMONIA-N	0.50	0.52	-2.0	PASS

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DATE: 5/21/2019

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

SPIKE/DUP SPIKE

DATE: 5/21/2019

SAMPLE: 052119-2-1

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

	<u>DSPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
AMMONIA-N	0.50	0.5	100.0	PASS

	<u>SPK</u>	<u>DSPK</u>	<u>%DEV</u>	<u>+/-15%?</u>
AMMONIA-N	104	100	2.0	PASS

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

Chain of Custody Record

Client Information		Sampler: <u>Brandon Wolf</u>		Lab PM: <u>Chase, Kirk L.</u>		Carrier Tracking No(s):		COC No: <u>051419-2</u>											
Client Contact: Mark Baars		231-258-4772		E-Mail: kirk@gtanalytical.com				Page: Page 1 of 1											
Company: Village of Kalkaska				Analysis Requested						Job #:									
Address: 1005 Island Lake Road		Due Date Requested:								Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ica J - DI Water K - EDTA L - EDTA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)									
City: Kalkaska		TAT Requested (days):																	
State, Zip: MI, 49646																			
Phone: 231-258-4772		PO #: PO Not Required																	
Email: cwp@kalkaskavillage.com		WO #:																	
Project Name: Weekly/Monthly		Project #:																	
Site: KCWP		SSOW#:																	
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)		Special Instructions/Note:									
Influent		5-14-19		7:43		G		W											
Effluent		5-14-19		7:50		G		W											
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ 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: <u>Brandon Wolf</u>				Date/Time: <u>5-14-19 8:00</u>				Company: <u>KCWP</u>				Received by:							
Relinquished by:				Date/Time:				Company:				Received by:							
Relinquished by:				Date/Time:				Company:				Received by: <u>[Signature]</u>							
Custody Seals Intact: ☒ Yes ☐ No				Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: <u>See Cont-1-Frick</u>											