

**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/MONTHLY
GTA ProjNo: 042825-2

Site Addr: 1005 ISLAND LAKE RD
KALKASKA
Sampled By: BRENDON WOLF/IAI
Date Rec: 4/28/2025
Time Rec: 8:11 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	EFFLUENT WEEK 3	4/15/2025	7:36 AM	WATER
2	C118	4/10/2025	1:50 PM	WATER
3	EFFLUENT WEEK 4	4/21/2025	8:30 AM	WATER
4	A-1	4/24/2025	2:10 PM	WATER
5	B-14	4/24/2025	1:40 PM	WATER
6	C-19	4/24/2025	2:00 PM	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/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



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COMPANY: VILLAGE OF KALKASKA

PROJECT NO: WEEKLY/MONTHLY

LOCATION: 1005 ISLAND LAKE RD

KALKASKA
MI

SAMPLED BY: BRENDON WOLF/IAI

SAMPLE ID: EFFLUENT WEEK 3

GTA PROJECT NO: 042825-2

GTA SAMPLE NO: 1

DATE RECEIVED: 4/28/2025

TIME RECEIVED: 8:11 AM

DATE SAMPLED: 4/15/2025

TIME SAMPLED: 7:36 AM

SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	270	10	mg/L (PPM)	KC/TR	5/2/2025
SODIUM EPA 200.8	110	12	mg/L (PPM)	MR	5/7/2025

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

DISS = DISSOLVED

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PROJECT NO: WEEKLY/MONTHLY

LOCATION: 1005 ISLAND LAKE RD

KALKASKA
MI

SAMPLED BY: BRENDON WOLF/IAI

SAMPLE ID: C118

GTA PROJECT NO: 042825-2

GTA SAMPLE NO: 2

DATE RECEIVED: 4/28/2025

TIME RECEIVED: 8:11 AM

DATE SAMPLED: 4/10/2025

TIME SAMPLED: 1:50 PM

SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	100	10	mg/L (PPM)	KC/TR	5/2/2025
SODIUM EPA 200.8	48	12	mg/L (PPM)	MR	5/7/2025

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PROJECT NO: WEEKLY/MONTHLY

LOCATION: 1005 ISLAND LAKE RD

KALKASKA
MI

SAMPLED BY: BRENDON WOLF/IAI

SAMPLE ID: EFFLUENT WEEK 4

GTA PROJECT NO: 042825-2

GTA SAMPLE NO: 3

DATE RECEIVED: 4/28/2025

TIME RECEIVED: 8:11 AM

DATE SAMPLED: 4/21/2025

TIME SAMPLED: 8:30 AM

SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	230	10	mg/L (PPM)	KC/TR	5/2/2025
SODIUM EPA 200.8	78	12	mg/L (PPM)	MR	5/7/2025

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COMPANY: VILLAGE OF KALKASKA

PROJECT NO: WEEKLY/MONTHLY

LOCATION: 1005 ISLAND LAKE RD

KALKASKA
MI

SAMPLED BY: BRENDON WOLF/IAI

SAMPLE ID: A-1

GTA PROJECT NO: 042825-2

GTA SAMPLE NO: 4

DATE RECEIVED: 4/28/2025

TIME RECEIVED: 8:11 AM

DATE SAMPLED: 4/24/2025

TIME SAMPLED: 2:10 PM

SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	3,600	10	mg/L (PPM)	KC/TR	5/2/2025
SODIUM EPA 200.8	1,500	120	mg/L (PPM)	MR	5/7/2025

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COMPANY:	VILLAGE OF KALKASKA	GTA PROJECT NO:	042825-2
PROJECT NO:	WEEKLY/MONTHLY	GTA SAMPLE NO:	5
LOCATION:	1005 ISLAND LAKE RD	DATE RECEIVED:	4/28/2025
	KALKASKA	TIME RECEIVED:	8:11 AM
	MI	DATE SAMPLED:	4/24/2025
SAMPLED BY:	BRENDON WOLF/IAI	TIME SAMPLED:	1:40 PM
		SAMPLE MATRIX:	WATER
SAMPLE ID:	B-14		

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	350	10	mg/L (PPM)	KC/TR	5/2/2025
SODIUM EPA 200.8	130	120	mg/L (PPM)	MR	5/7/2025

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PROJECT NO: WEEKLY/MONTHLY

LOCATION: 1005 ISLAND LAKE RD

KALKASKA
MI

SAMPLED BY: BRENDON WOLF/IAI

SAMPLE ID: C-19

GTA PROJECT NO: 042825-2

GTA SAMPLE NO: 6

DATE RECEIVED: 4/28/2025

TIME RECEIVED: 8:11 AM

DATE SAMPLED: 4/24/2025

TIME SAMPLED: 2:00 PM

SAMPLE MATRIX: WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	80	10	mg/L (PPM)	KC/TR	5/2/2025
SODIUM EPA 200.8	52	12	mg/L (PPM)	MR	5/7/2025

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Grand Traverse Analytical

830 Robinwood Court

Traverse City, MI 49686

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

Chain of Custody Record

Client Information Client Contact: Brendon Wolf Company: Infrastructure Alternatives, Inc. Address: 1005 Island Lake Road City: Kalkaska State, Zip: MI, 49646 Phone: 906-286-3021 Email: bwolf@iaiwater.com Project Name: Weekly/Monthly Site: KWWTP		Sampler: <u>Brendon Wolf</u> 231-258-4772 Lab PM: Chase, Kirk L. E-Mail: kirk@gtanalytical.com		Carrier Tracking No(s): COC No: <u>042925-2</u> Page: Page 1 of 1 Job #:																																																																																																	
Due Date Requested: TAT Requested (days): PO #: PO Not Required WO #: Project #: SSOW#:		Analysis Requested																																																																																																			
Sample Identification <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>Nitrate/Nitrite</th> <th>Ammonia-Nitrogen</th> <th>Total Phosphorus</th> <th>Chloride</th> <th>Sodium</th> <th>Calcium</th> <th>Total Number of containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>4.15.25</td> <td>7:36</td> <td>G</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.10.25</td> <td>1:50 PM</td> <td>C</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.21.25</td> <td>8:30 AM</td> <td>G</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td>on ke 0.2L</td> </tr> <tr> <td>4.24.25</td> <td>2:10 PM</td> <td>C</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.24.25</td> <td>1:40 PM</td> <td>C</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.24.25</td> <td>2:00 PM</td> <td>C</td> <td>W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Nitrate/Nitrite	Ammonia-Nitrogen	Total Phosphorus	Chloride	Sodium	Calcium	Total Number of containers	Special Instructions/Note:	4.15.25	7:36	G	W						X	X				4.10.25	1:50 PM	C	W						X	X				4.21.25	8:30 AM	G	W						X	X			on ke 0.2L	4.24.25	2:10 PM	C	W						X	X				4.24.25	1:40 PM	C	W						X	X				4.24.25	2:00 PM	C	W						X	X				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 Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Nitrate/Nitrite	Ammonia-Nitrogen	Total Phosphorus	Chloride	Sodium	Calcium	Total Number of containers	Special Instructions/Note:																																																																																								
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4.24.25	2:00 PM	C	W						X	X																																																																																											
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:																																																																																																	
Relinquished by: <u>Brendon Wolf</u>		Date/Time: <u>4.28.25 8:14 AM</u>		Company: <u>IAI</u>																																																																																																	
Relinquished by: <u>Devon Lang</u>		Date/Time: <u>4-28-25 9:02 AM</u>		Company: <u>IAI</u>																																																																																																	
Relinquished by:		Date/Time:		Company:																																																																																																	
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Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																																																																																																	

1 QC EPA 300.0 ANIONS

CONTINUING CAL

DATE: 5/2/2025

	<u>TRUE PPM</u>	<u>OBS PPM</u>	<u>%REC</u>	<u>+/-10%?</u>
CHLORIDE	10	9.89	98.9	PASS

BLANK

DATE: 5/2/2025

	<u>OBS PPM</u>	<u><10PPM?</u>
CHLORIDE	0	PASS

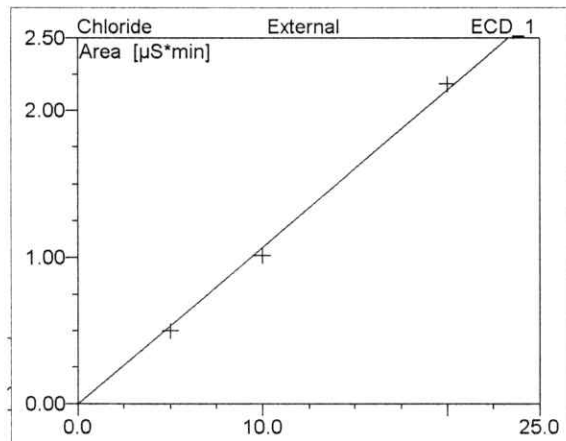
SPIKE/DUP SPIKE

DATE: 5/2/2025

SAMPLE: PROC BLANK

	<u>SPK OBS</u>	<u>TRUE</u>	<u>%REC</u>	<u>80-120%?</u>
CHLORIDE	4.49	4	112.3	PASS

Sequence:	APR27A 2025	Inj. Vol.:	25.0
Program:	ANION	Operator:	n.a.
Inj. Date/Time:	04/27/25 09:36	Run Time:	9.02



Cl initial Cal

No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
2	5.08	Chloride	Lin	3	0.000	0.107	0.000	99.954
AVERAGE:					0.0000	0.1073	0.0000	99.9541

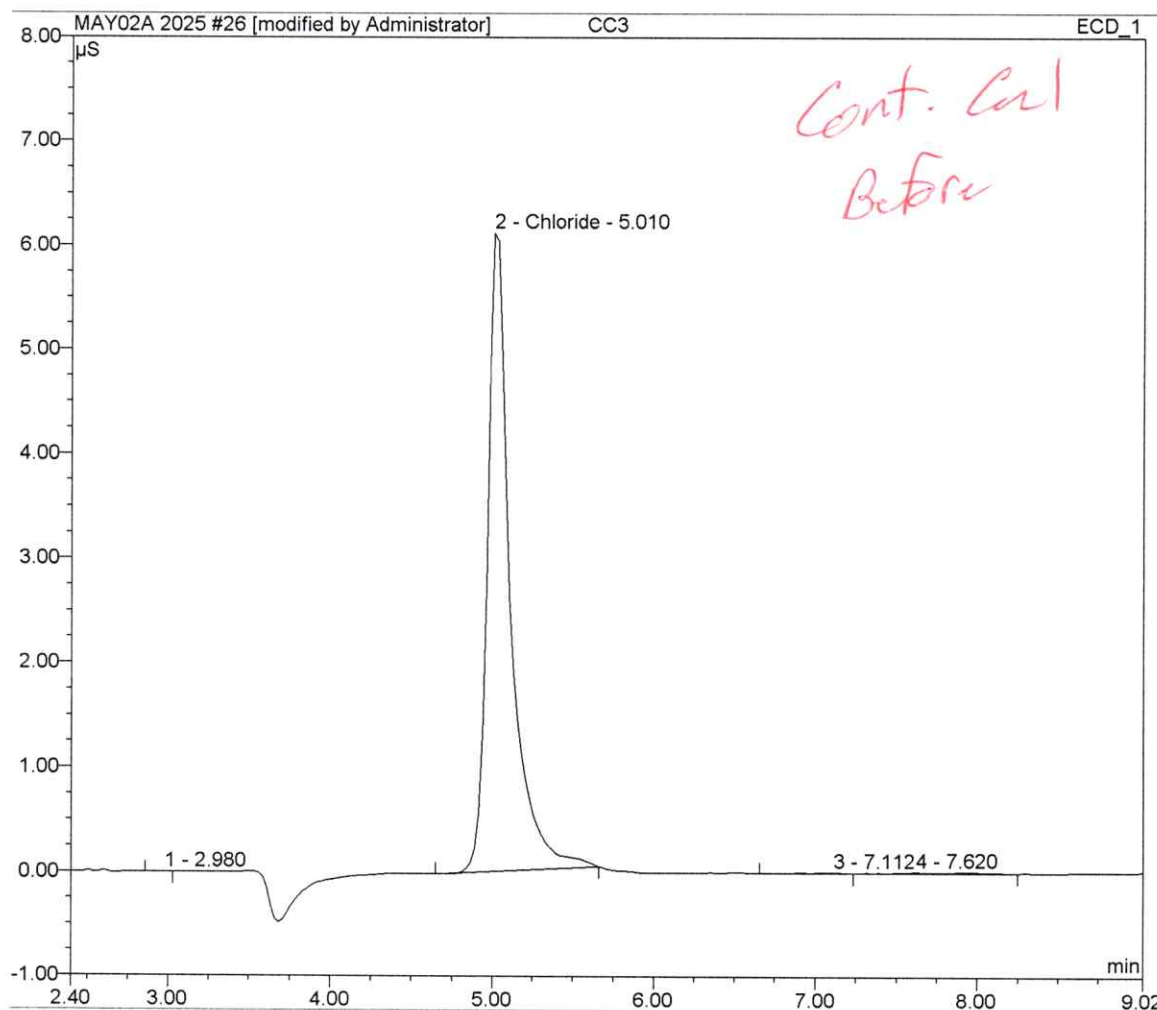
DATE:		5/2/2025		SAMPLE SPIKED		
				LFM		
		<u>SAMP OBS</u>	<u>SPK OBS</u>	<u>SPK OBS</u>	<u>TRUE</u>	
<u>ANALYTE:</u>	<u>PPM</u>	<u>PPM</u>	<u>-(SAMP*0.98)</u>	<u>PPM</u>	<u>%REC</u>	<u>%REC80-120?</u>
CL	0.00	4.49	4.49	4.00	112	PASS
NO2	0.00	6.8008	6.80	6.08	112	PASS
NO3	0.00	2.0217	2.02	1.84	110	PASS

DATE:		5/2/2025	SAMPLE SPIKED		050125-30-1	
	<u>SAMP OBS</u>	<u>SPK OBS</u>	<u>SPK OBS</u>	TRUE		
<u>ANALYTE:</u>	<u>PPM</u>	<u>PPM</u>	<u>-(SAMP*0.98)</u>	<u>PPM</u>	<u>%REC</u>	<u>%REC80-120?</u>
CL	4.90	8.95	4.15	4.00	104	PASS
NO2	0.00	7.0403	7.04	6.08	116	PASS
NO3	2.41	4.2427	1.88	1.84	102	PASS

Sample Name:	CC3	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	ANION	Operator:	n.a.
Inj. Date/Time:	02.05.25 14:46	Run Time:	9.02

No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	5.01	Chloride	BMB*	1.016	6.107	9.4739
TOTAL:				1.02	6.11	9.47

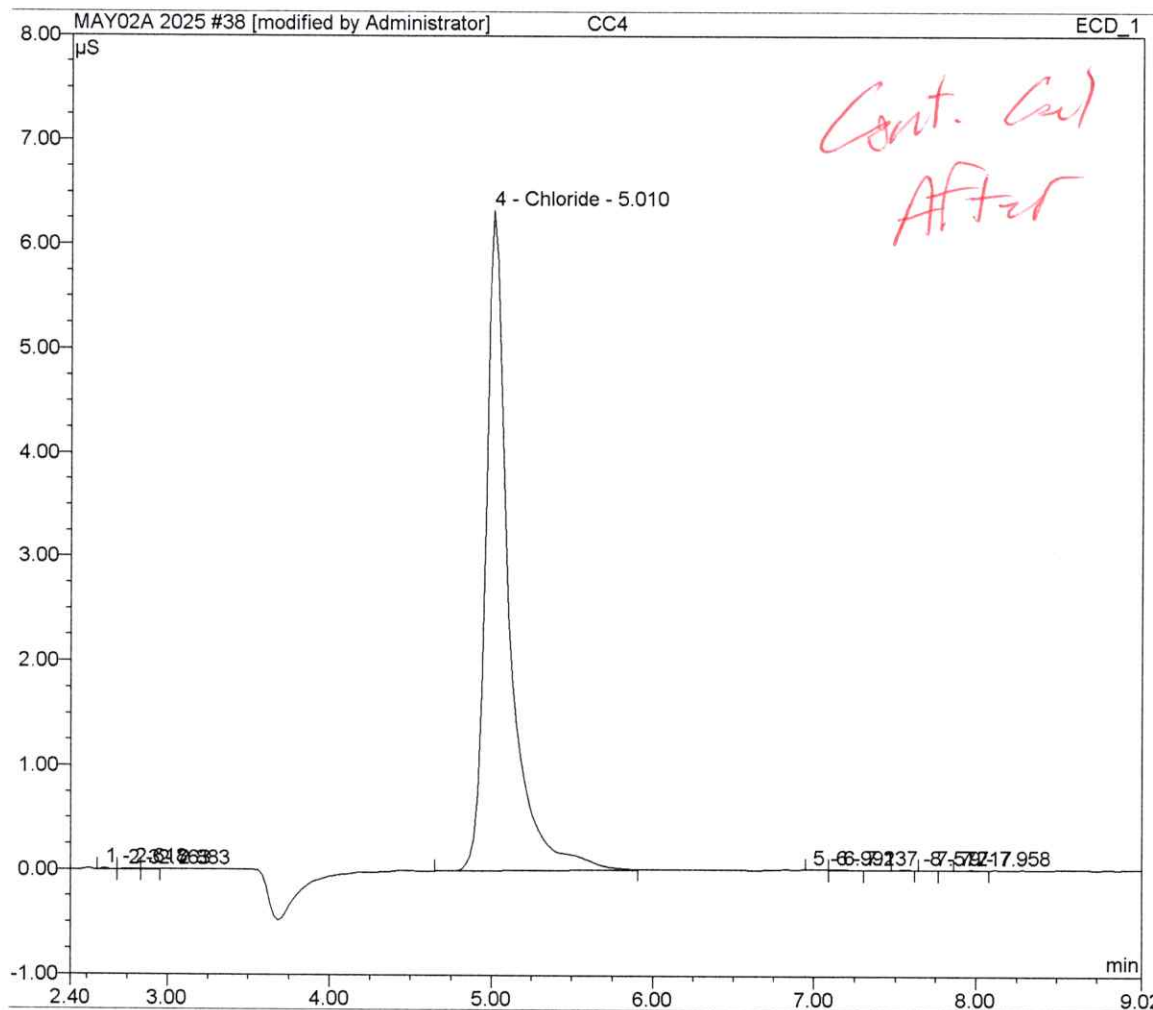
T
10 94.7%



Sample Name:	CC4	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	ANION	Operator:	n.a.
Inj. Date/Time:	02.05.25 16:37	Run Time:	9.02

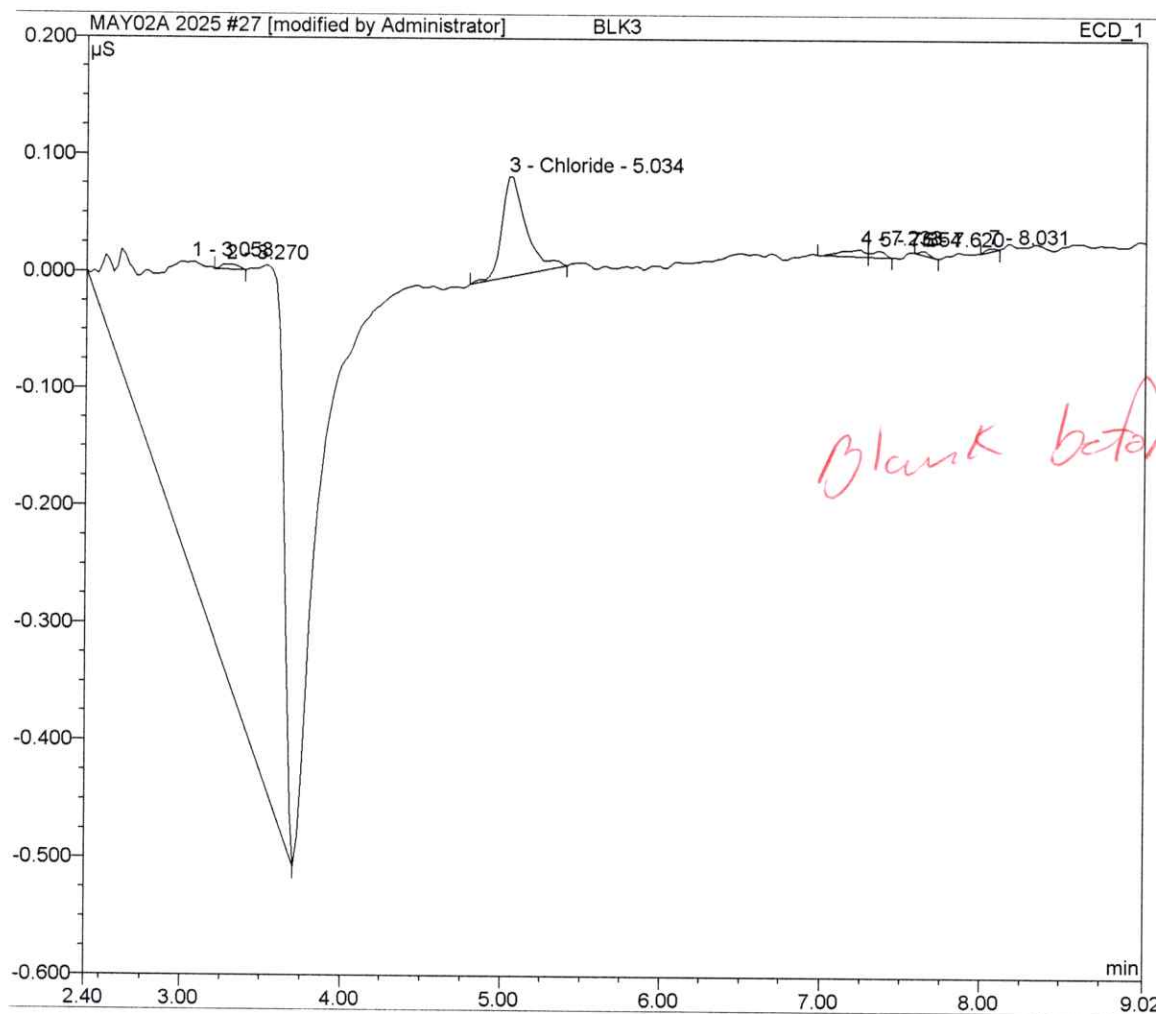
No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
4	5.01	Chloride	BMB*	1.061	6.330	9.8945
TOTAL:				1.06	6.33	9.89

$\frac{T}{10}$ 98.9%



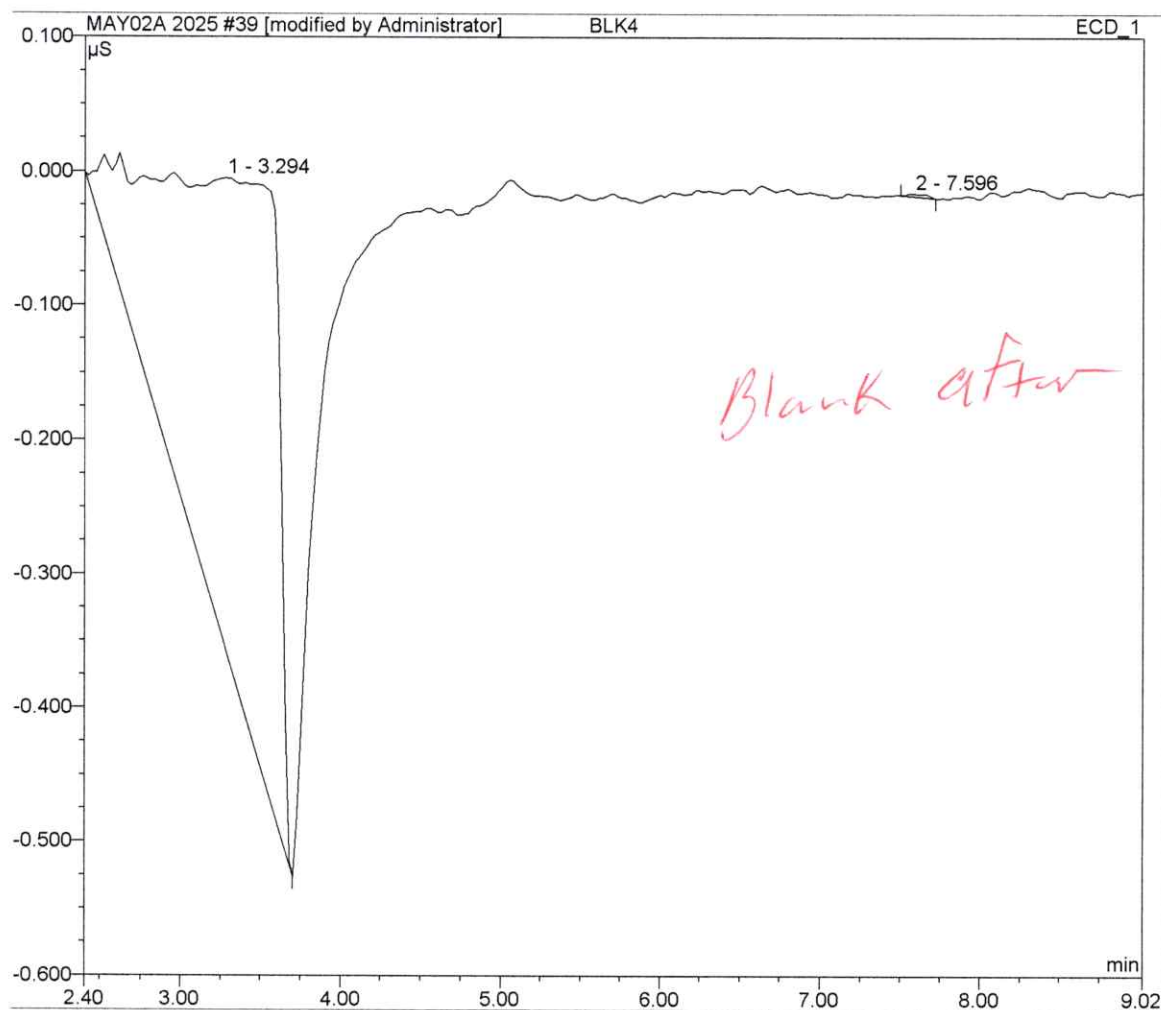
Sample Name:	BLK3	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	ANION	Operator:	n.a.
Inj. Date/Time:	02.05.25 14:55	Run Time:	9.02

No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
3	5.03	Chloride	BMB*	0.015	0.085	0.1368
TOTAL:				0.01	0.09	0.14



Sample Name:	BLK4	Inj. Vol.:	25.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	ANION	Operator:	n.a.
Inj. Date/Time:	02.05.25 16:46	Run Time:	9.02

No.	Time min	Peak Name	Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
TOTAL:				0.00	0.00	0.00



G.T. ANALYTICAL**QAQC - METALS EPA 7000 SERIES**

Company: VILLAGE OF KALKASKA
Proect no: WEEKLY/MONTHLY
Location: 1005 ISLAND LAKE RD
KALKASKA
MI

GTA Project No: 042825-2
Date Rec: 28-Apr-25
Time Rec: 8:11 AM

CALIBRATION and INDEPENDENT CHECK

<u>Metals Method:</u>	<u>Date:</u>	<u>Curve Correlation:</u>	<u>CONTINUING CALIBRATION:</u>				<u>INDEPENDENT CHECK:</u>			
			<u>Units:</u>	<u>True:</u>	<u>Obs:</u>	<u>%DEV</u>	<u>Units:</u>	<u>True:</u>	<u>Obs:</u>	<u>%DEV</u>
SODIUM EPA 200.8	5/7/2025	0.9998	PPB	2000	2080	2.0	PPB	2000	2170	4.1
	Blank Obs(PPB):	13.00								

CURVE CORRELATION IS VALID IF IT IS AT LEAST CURVE CORRELATION IS VALID IF IT IS AT LEAST 0.99XXX
CONTINUING CAL AND INDEPENDENT CHECK MUST BE LESS THAN 20% DEVIATION.
BLANK OBSERVED MUST BE ZERO OR LESS THAN DETECTION LIMIT.

Quantitative Analysis Calibration Report

File Name: cal050725.cal
File Path: C:\NEXIONData\System\cal050725.cal
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Na	22.990	Linear Thru Zero	0.08	0.00	0.999877
Mg	23.985	Linear Thru Zero	0.07	0.00	0.999943
K	38.964	Linear Thru Zero	0.10	0.00	0.999840
Ca	43.956	Linear Thru Zero	0.00	0.00	0.997350
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
Fe	53.940	Linear Thru Zero	0.01	0.00	0.999813
Mn	54.938	Linear Thru Zero	0.11	0.00	0.999824
Cu	62.930	Linear Thru Zero	0.04	0.00	0.999960
As	74.922	Linear Thru Zero	0.01	0.00	0.999992
Y	88.905	Linear Thru Zero	0.00	0.00	0.000000
Ba	136.905	Linear Thru Zero	0.01	0.00	0.999989
Tb	158.925	Linear Thru Zero	0.00	0.00	0.000000
Pb	207.977	Linear Thru Zero	0.03	0.00	0.999762

Quantitative Analysis - Summary Report

Sample ID: cc-1

Sample Date/Time: Wednesday, May 07, 2025 13:32:47

Report Date/Time: Wednesday, May 07, 2025 13:33:43

Solution Type: Sample

Sample Type: Sample

Autosampler Position: 4

Sample Description: cc@20

Batch ID:

Sample File: C:\NexIONData\Sample\050725.sam

Method File: C:\NexIONData\Method\GTA-brine,mn,cu,as,pb.mth

Dataset File: C:\NexIONData\DataSet\Default\cc-1.3064

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted to Volume (mL):

Torch Z Position (mm): 0.00

Cont. Cu

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Li	6	115876.4	1.1				ug/L	113372	Standard
[	Na	23	58145909.1	1.1	2075.24	52.242	2.5	ug/L	355660	Standard
	Mg	24	52280782.2	0.6	2068.63	21.597	1.0	ug/L	27981	Standard
	K	39	78693342.6	1.1	2072.01	14.714	0.7	ug/L	1877251	Standard
	Ca	44	1883202.9	0.8	1856.27	29.967	1.6	ug/L	31176	Standard
>	Sc	45	371106.4	1.5				ug/L	357787	Standard
	Fe	54	503084.3	1.3	231.77	3.122	1.3	ug/L	56937	Standard
	Mn	55	9236988.6	1.9	224.95	7.179	3.2	ug/L	2484	Standard
[	Cu	63	393845.7	0.8	27.39	0.254	0.9	ug/L	1650	Standard
[	As	75	76874.4	2.8	20.13	0.402	2.0	ug/L	183	Standard
[>	Y	89	525123.6	2.2				ug/L	504347	Standard
[	Ba	137	248286.4	0.1	20.10	0.102	0.5	ug/L	1419	Standard
>	Tb	159	1218520.9	0.4				ug/L	1195032	Standard
[	Pb	208	762076.7	0.8	18.31	0.164	0.9	ug/L	1366	Standard

Quantitative Analysis - Summary Report

Sample ID: qc-1

Sample Date/Time: Wednesday, May 07, 2025 13:34:59

Report Date/Time: Wednesday, May 07, 2025 13:35:54

Solution Type: Sample

Sample Type: Sample

Autosampler Position: 6

Sample Description: qc@50

Batch ID:

Sample File: C:\NexIONData\Sample\050725.sam

Method File: C:\NexIONData\Method\GTA-brine,mn,cu,as,pb.mth

Dataset File: C:\NexIONData\DataSet\Default\qc-1.3065

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted to Volume (mL):

Torch Z Position (mm): 0.00

QC

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Li	6	148422.8	0.9				ug/L	113372	Standard
[	Na	23	60896424.6	1.5	2168.03	22.719	1.0	ug/L	355660	Standard
	Mg	24	52893089.6	1.3	2087.66	41.122	2.0	ug/L	27981	Standard
	K	39	78701093.5	1.0	2067.03	35.822	1.7	ug/L	1877251	Standard
	Ca	44	1899754.2	2.1	1868.07	49.849	2.7	ug/L	31176	Standard
>	Sc	45	372031.2	0.8				ug/L	357787	Standard
	Fe	54	1033809.4	0.3	507.43	4.116	0.8	ug/L	56937	Standard
	Mn	55	20993429.0	0.9	509.94	5.638	1.1	ug/L	2484	Standard
[	Cu	63	747252.9	0.7	51.93	0.327	0.6	ug/L	1650	Standard
[	As	75	188256.3	0.4	50.04	0.405	0.8	ug/L	183	Standard
>	Y	89	517994.3	1.1				ug/L	504347	Standard
[	Ba	137	611872.3	0.4	50.60	0.629	1.2	ug/L	1419	Standard
>	Tb	159	1197439.4	1.2				ug/L	1195032	Standard
[	Pb	208	1869645.2	0.1	45.77	0.544	1.2	ug/L	1366	Standard

Sample ID: qc-1

Report Date/Time: Wednesday, May 07, 2025 13:35:54

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Quantitative Analysis - Summary Report

Sample ID: Irb-1

Sample Date/Time: Wednesday, May 07, 2025 13:39:22

Report Date/Time: Wednesday, May 07, 2025 13:40:18

Solution Type: Sample

Sample Type: Sample

Autosampler Position: 8

Sample Description: lab reagent blank

Batch ID:

Sample File: C:\NexIONData\Sample\050725.sam

Method File: C:\NexIONData\Method\GTA-brine,mn,cu,as,pb.mth

Dataset File: C:\NexIONData\DataSet\Default\Irb-1.3067

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted to Volume (mL):

Torch Z Position (mm): 0.00

Blank

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Li	6	126741.5	1.4				ug/L	113372	Standard
[	Na	23	766953.1	1.7	13.24	0.704	5.3	ug/L	355660	Standard
	Mg	24	65655.3	6.9	1.35	0.198	14.6	ug/L	27981	Standard
	K	39	2704651.4	0.7	17.64	0.828	4.7	ug/L	1877251	Standard
	Ca	44	31250.1	1.1	-2.29	0.635	27.7	ug/L	31176	Standard
>	Sc	45	385969.6	1.0				ug/L	357787	Standard
	Fe	54	61763.6	0.4	0.17	0.205	118.3	ug/L	56937	Standard
	Mn	55	7879.2	13.5	0.12	0.027	22.1	ug/L	2484	Standard
[	Cu	63	3296.7	1.9	0.10	0.006	6.0	ug/L	1650	Standard
[	As	75	248.3	4.3	0.01	0.002	17.0	ug/L	183	Standard
>	Y	89	530347.3	0.7				ug/L	504347	Standard
[	Ba	137	2059.5	1.9	0.05	0.002	5.1	ug/L	1419	Standard
>	Tb	159	1235171.4	0.8				ug/L	1195032	Standard
[	Pb	208	2645.9	2.4	0.03	0.002	6.9	ug/L	1366	Standard

Sample ID: Irb-1

Report Date/Time: Wednesday, May 07, 2025 13:40:18

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