

Cover Page

Order ID : Q1525

Project ID : DPW

Client : G Environmental

Lab Sample Number

Q1525-01

Client Sample Number

MW10

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 3/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1525

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KORI AMARNATH

Date: 03/18/2025

LAB CHRONICLE

OrderID:	Q1525	OrderDate:	3/7/2025 11:17:00 AM
Client:	G Environmental	Project:	DPW
Contact:	Gary Landis	Location:	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1525-01	MW10	WATER			03/06/25 12:25			03/07/25
			Alkalinity	SM2320 B			03/18/25 09:45	
			Anions Group1	300.0			03/07/25 12:16	



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	03/06/25 12:25
Project:	DPW	Date Received:	03/07/25
Client Sample ID:	MW10	SDG No.:	Q1525
Lab Sample ID:	Q1525-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	154		1	1.00	2.00	mg/L		03/18/25 09:45	SM 2320 B-11
Nitrate	0.095	J	1	0.0034	0.50	mg/L		03/07/25 12:16	300.0
Sulfate	7.10		1	0.032	3.00	mg/L		03/07/25 12:16	300.0

Comments: The alkalinity to pH 4.46=154 mg CaCO₃/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q1525

Project: DPW

RunNo.: LB134959

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.2	10	102	90-110	02/21/2025
Chloride	mg/L	3	3	100	90-110	02/21/2025
Fluoride	mg/L	2	2	100	90-110	02/21/2025
Nitrite	mg/L	3	3	100	90-110	02/21/2025
Nitrate	mg/L	2.5	2.5	100	90-110	02/21/2025
Sulfate	mg/L	15.1	15	101	90-110	02/21/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	02/21/2025
Sample ID: CCV1						
Bromide	mg/L	10.3	10	103	90-110	03/07/2025
Chloride	mg/L	3	3	100	90-110	03/07/2025
Fluoride	mg/L	2	2	100	90-110	03/07/2025
Nitrite	mg/L	3	3	100	90-110	03/07/2025
Nitrate	mg/L	2.6	2.5	104	90-110	03/07/2025
Sulfate	mg/L	15.2	15	101	90-110	03/07/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	03/07/2025
Sample ID: CCV2						
Bromide	mg/L	10.3	10	103	90-110	03/07/2025
Chloride	mg/L	3.1	3	103	90-110	03/07/2025
Fluoride	mg/L	2	2	100	90-110	03/07/2025
Nitrite	mg/L	3.1	3	103	90-110	03/07/2025
Nitrate	mg/L	2.6	2.5	104	90-110	03/07/2025
Sulfate	mg/L	15.1	15	101	90-110	03/07/2025
Orthophosphate as P	mg/L	5	5	100	90-110	03/07/2025

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q1525

Project: DPW

RunNo.: LB134959

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
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Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q1525

Project: DPW

RunNo.: LB134959

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/21/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/21/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/21/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/21/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/21/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/21/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/21/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	03/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	03/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	03/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	03/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	03/07/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	03/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	03/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	03/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	03/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	03/07/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q1525

Project: DPW

RunNo.: LB134959

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
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Preparation Blank Summary

Client: G Environmental

SDG No.: Q1525

Project: DPW

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134959BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	03/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	03/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	03/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	03/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	03/07/2025
Sample ID: LB135065BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	03/18/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q1525
Project:	DPW	Sample ID:	Q1522-02
Client ID:	TW-WTS-04MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.2		0.60	J	10	1	96		03/07/2025
Chloride	mg/L	80-120	82.7	OR	83.1	OR	3	1	-13	*	03/07/2025
Fluoride	mg/L	80-120	3.20		1.30		2	1	95		03/07/2025
Nitrite	mg/L	80-120	11.2	OR	8.50	OR	3	1	90		03/07/2025
Nitrate	mg/L	80-120	14.6	OR	12.3	OR	2.5	1	92		03/07/2025
Sulfate	mg/L	80-120	375	OR	374	OR	15	1	7	*	03/07/2025
Orthophosphate as P	mg/L	80-120	5.20		0.079	U	5	1	104		03/07/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q1525
Project:	DPW	Sample ID:	Q1522-02
Client ID:	TW-WTS-04MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.8		0.60	J	10	1	102		03/07/2025
Chloride	mg/L	80-120	82.7	OR	83.1	OR	3	1	-13	*	03/07/2025
Fluoride	mg/L	80-120	3.30		1.30		2	1	100		03/07/2025
Nitrite	mg/L	80-120	11.4	OR	8.50	OR	3	1	97		03/07/2025
Nitrate	mg/L	80-120	14.7	OR	12.3	OR	2.5	1	96		03/07/2025
Sulfate	mg/L	80-120	375	OR	374	OR	15	1	7	*	03/07/2025
Orthophosphate as P	mg/L	80-120	5.20		0.079	U	5	1	104		03/07/2025

Duplicate Sample Summary

Client: G Environmental Project: DPW Client ID: TW-WTS-04MSD	SDG No.: Q1525 Sample ID: Q1522-02 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Orthophosphate as P	mg/L	+/-20	5.20		5.20		1	0		03/07/2025
Chloride	mg/L	+/-20	82.7	OR	82.7	OR	1	0		03/07/2025
Sulfate	mg/L	+/-20	375	OR	375	OR	1	0		03/07/2025
Nitrate	mg/L	+/-20	14.6	OR	14.7	OR	1	1		03/07/2025
Nitrite	mg/L	+/-20	11.2	OR	11.4	OR	1	2		03/07/2025
Fluoride	mg/L	+/-20	3.20		3.30		1	3		03/07/2025
Bromide	mg/L	+/-20	10.2		10.8		1	6		03/07/2025

Duplicate Sample Summary

Client: G Environmental Project: DPW Client ID: MW10DUP	SDG No.: Q1525 Sample ID: Q1525-01 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Alkalinity	mg/L	+/-20	154		154		1	0		03/18/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q1525

Project: DPW

Run No.: LB134959

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134959BSW							
Bromide	mg/L	10	10.6		106	1	90-110	03/07/2025
Chloride	mg/L	3	3.10		103	1	90-110	03/07/2025
Fluoride	mg/L	2	2.10		105	1	90-110	03/07/2025
Nitrite	mg/L	3	3.10		103	1	90-110	03/07/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	03/07/2025
Sulfate	mg/L	15	15.6		104	1	90-110	03/07/2025
Orthophosphate as P	mg/L	5	5.20		104	1	90-110	03/07/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q1525

Project: DPW

Run No.: LB135065

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135065BSW							
Alkalinity	mg/L	50	45.0		90	1	80-120	03/18/2025



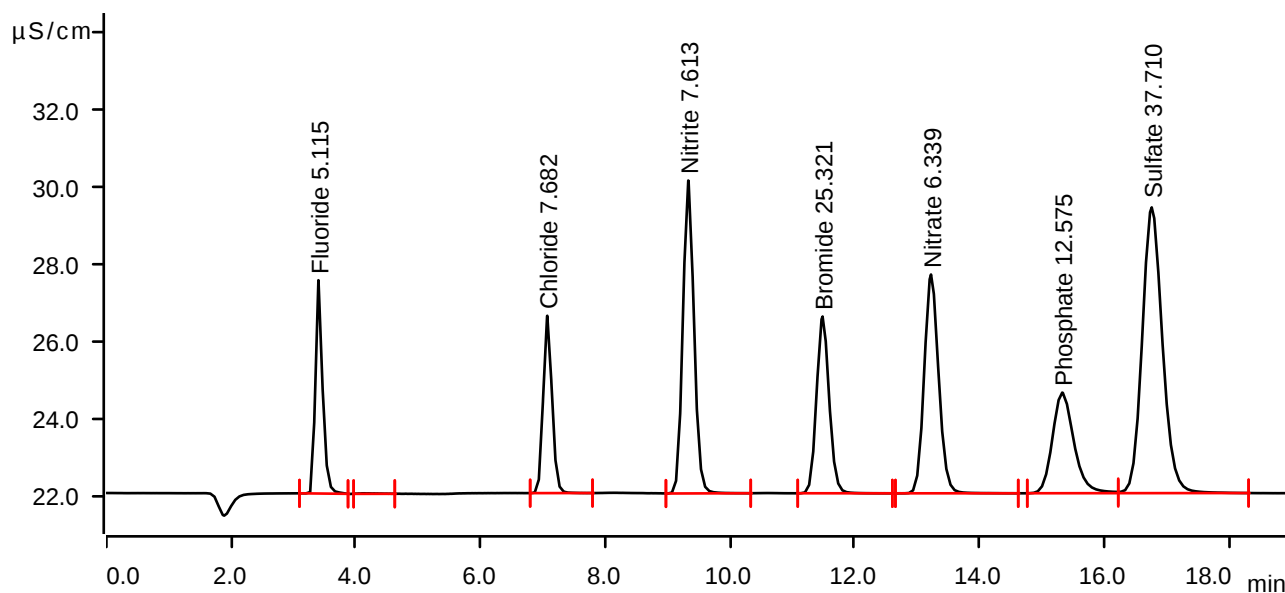
RAW DATA

Instrument II			Analyst :		NF		Method: 00.0 / 9056A					
Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method name	date time	wt/Fin	Analyst	
STD1	0	0	0	0	0	0	0	IC1-022125	2/21/2025 11:05	10	NF/IZ	
STD2	0.448	0.678	0.657	2.152	0.544	1.059	3.319	IC1-022125	2/21/2025 11:26	10	NF/IZ	
STD3	0.821	1.223	1.216	4.052	1.014	2.009	6.104	IC1-022125	2/21/2025 11:48	10	NF/IZ	
STD4	1.013	1.524	1.523	5.08	1.272	2.514	7.612	IC1-022125	2/21/2025 12:09	10	NF/IZ	
STD5	1.919	2.879	2.894	9.683	2.411	4.896	14.423	IC1-022125	2/21/2025 12:31	10	NF/IZ	
STD6	3.884	5.815	5.898	19.712	4.921	9.947	29.333	IC1-022125	2/21/2025 12:52	10	NF/IZ	
STD7	5.115	7.682	7.613	25.321	6.339	12.575	37.71	IC1-022125	2/21/2025 13:13	10	NF/IZ	
ICV	2.008	2.989	3.015	10.228	2.532	5.141	15.146	IC1-022125	2/21/2025 13:35	10	NF/IZ	
ICB	0	0	0	0	0	0	0	IC1-022125	2/21/2025 13:56	10	NF/IZ	
CCV	2.023	3.04	3.046	10.276	2.563	5.15	15.171	IC1-022125	3/7/2025 10:50	10	NF/IZ	
CCB	0	0	0	0	0	0	0	IC1-022125	3/7/2025 11:11	10	NF/IZ	
LB134959BLW	0	0	0	0	0	0	0	IC1-022125	3/7/2025 11:33	10	NF/IZ	
LB134959BSW	2.068	3.083	3.115	10.614	2.635	5.237	15.557	IC1-022125	3/7/2025 11:54	10	NF/IZ	
Q1525-01	0.404	3272.64	0	0.461	0.095	0	7.147	IC1-022125	3/7/2025 12:16	10	NF/IZ	
Q1522-02	1.299	83.109	8.52	0.603	12.349	0	374.401	IC1-022125	3/7/2025 12:37	10	NF/IZ	
Q1522-02MS	3.199	82.685	11.245	10.206	14.609	5.157	374.896	IC1-022125	3/7/2025 12:59	10	NF/IZ	
Q1522-02MSD	3.254	82.743	11.425	10.774	14.749	5.218	375.287	IC1-022125	3/7/2025 13:21	10	NF/IZ	
Q1522-02DLX5	0.317	13.65	1.686	0.264	2.314	0	61.322	IC1-022125	3/7/2025 13:42	10	NF/IZ	
Q1522-02DL2X20	0.136	3.336	0.497	0	0.627	0	14.817	IC1-022125	3/7/2025 14:04	10	NF/IZ	
CCV	1.984	3.051	3.058	10.279	2.564	5.028	15.14	IC1-022125	3/7/2025 14:25	10	NF/IZ	
CCB	0	0	0	0	0	0	0	IC1-022125	3/7/2025 14:47	10	NF/IZ	

Clear table

Instrument ID:		IC-2		Analyst :		IZ		Method:		300.0 / 9056A	
ident	concentra tion F-	concentratio n CL-	concentratio on NO2	concentratio on BR-	concentratio on NO3	concentratio on HPO4	concentratio on SO4	file name	date time	Initial wt/ Final	Analyst
STD1	0	0	0	0	0	0	0	IC1-022125	2/21/2025 11:05	10	NF/IZ
STD2	0.448	0.678	0.657	2.152	0.544	1.059	3.319	IC1-022125	2/21/2025 11:26	10	NF/IZ
STD3	0.821	1.223	1.216	4.052	1.014	2.009	6.104	IC1-022125	2/21/2025 11:48	10	NF/IZ
STD4	1.013	1.524	1.523	5.08	1.272	2.514	7.612	IC1-022125	2/21/2025 12:09	10	NF/IZ
STD5	1.919	2.879	2.894	9.683	2.411	4.896	14.423	IC1-022125	2/21/2025 12:31	10	NF/IZ
STD6	3.884	5.815	5.898	19.712	4.921	9.947	29.333	IC1-022125	2/21/2025 12:52	10	NF/IZ
STD7	5.115	7.682	7.613	25.321	6.339	12.575	37.71	IC1-022125	2/21/2025 13:13	10	NF/IZ
ident	True Value F-	True Value CL-	True Value NO2	True Value BR-	True Value NO3	True Value HPO4	True Value SO4				
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
STD2	0.4000	0.6000	0.6000	2.0000	0.5000	1.0000	3.0000				
STD3	0.8000	1.2000	1.2000	4.0000	1.0000	2.0000	6.0000				
STD4	1.0000	1.5000	1.5000	5.0000	1.2500	2.5000	7.5000				
STD5	2.0000	3.0000	3.0000	10.0000	2.5000	5.0000	15.0000				
STD6	4.0000	6.0000	6.0000	20.0000	5.0000	10.0000	30.0000				
STD7	5.0000	7.5000	7.5000	25.0000	6.2500	12.5000	37.0000				
ident	Relative Error F-	Relative Error CL-	Relative Error NO2	Relative Error BR-	Relative Error NO3	Relative Error HPO4	Relative Error SO4				
STD1	12.0000	13.0000	9.5000	7.6000	8.8000	5.9000	10.6333				
STD2	2.6250	1.9167	1.3333	1.3000	1.4000	0.4500	1.7333				
STD3	1.3000	1.6000	1.5333	1.6000	1.7600	0.5600	1.4933				
STD4	-4.0500	-4.0333	-3.5333	-3.1700	-3.5600	-2.0800	-3.8467				
STD5	-2.9000	-3.0833	-1.7000	-1.4400	-1.5800	-0.5300	-2.2233				
STD6	2.3000	2.4267	1.5067	1.2840	1.4240	0.6000	1.9189				

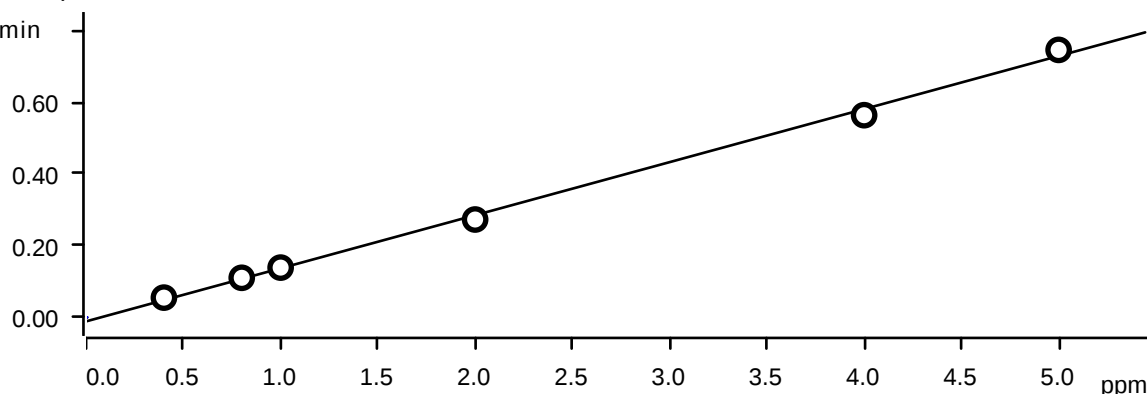
Anions



Peak number	Retention time min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	3.400	0.7457	5.535	5.115	Fluoride
2	4.197	0.0046	0.012	invalid	
3	7.070	0.7592	4.602	7.682	Chloride
4	9.330	1.6810	8.120	7.613	Nitrite
5	11.483	1.0784	4.588	25.321	Bromide
6	13.222	1.5233	5.678	6.339	Nitrate
7	15.325	1.0441	2.611	12.575	Phosphate
8	16.760	2.7982	7.416	37.710	Sulfate

Fluoride (Anions)

($\mu\text{S}/\text{cm}$) x min



Function: $A = -0.0112463 + 0.0147980 \times Q$

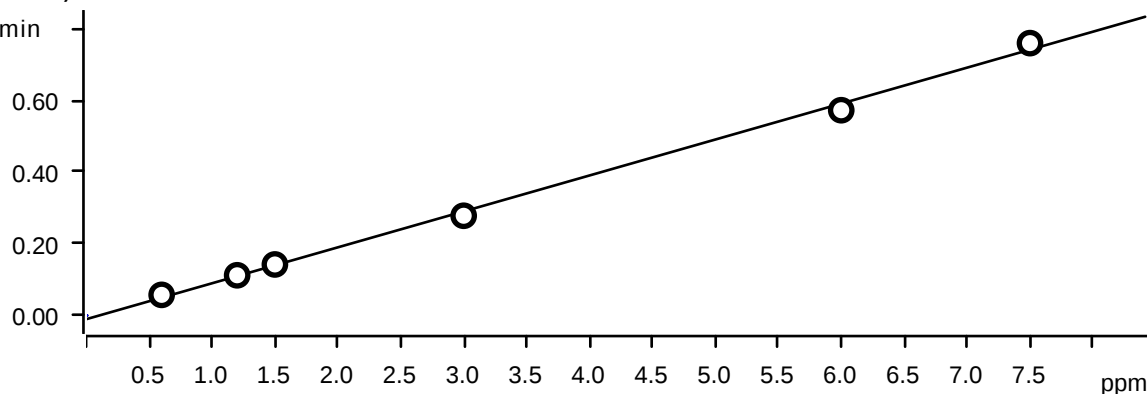
Relative standard deviation 4.464159 %

Correlation coefficient 0.998989

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	0.400	10.0	1.0	1.0	0.055	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	0.800	10.0	1.0	1.0	0.110	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	1.000	10.0	1.0	1.0	0.139	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	2.000	10.0	1.0	1.0	0.273	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	4.000	10.0	1.0	1.0	0.564	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	5.000	10.0	1.0	1.0	0.746	STD7	2025-02-21 13:13:53 UTC-5	used

Chloride (Anions)

($\mu\text{S}/\text{cm}$) x min

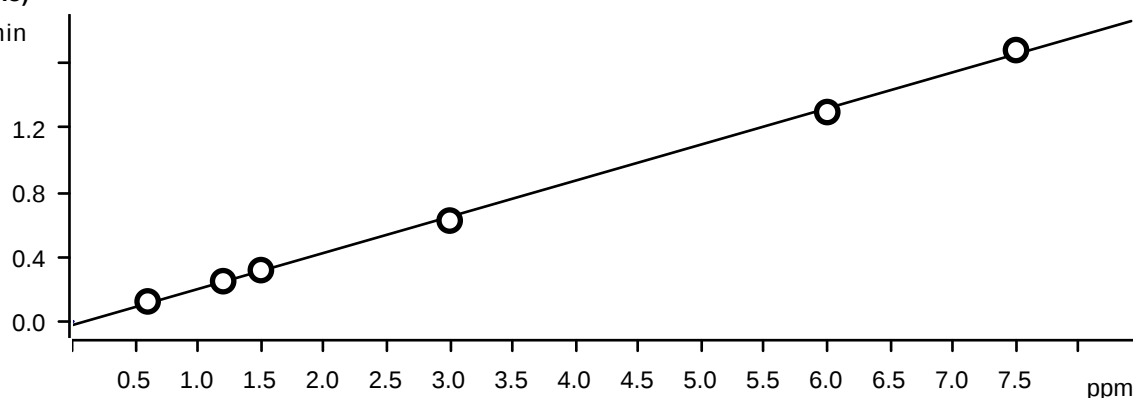


Function: $A = -0.0105167 + 0.0100207 \times Q$

Relative standard deviation 4.669067 %

Correlation coefficient 0.998888

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	0.600	10.0	1.0	1.0	0.057	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	1.200	10.0	1.0	1.0	0.112	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	1.500	10.0	1.0	1.0	0.142	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	3.000	10.0	1.0	1.0	0.278	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	6.000	10.0	1.0	1.0	0.572	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	7.500	10.0	1.0	1.0	0.759	STD7	2025-02-21 13:13:53 UTC-5	used

Nitrite (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0232250 + 0.0223870 \times Q$

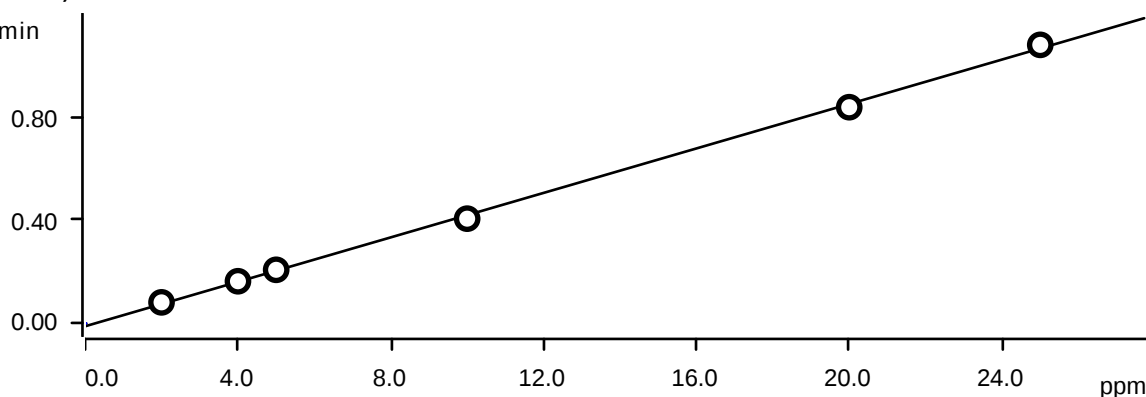
Relative standard deviation 3.068725 %

Correlation coefficient 0.999519

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	0.600	10.0	1.0	1.0	0.124	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	1.200	10.0	1.0	1.0	0.249	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	1.500	10.0	1.0	1.0	0.318	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	3.000	10.0	1.0	1.0	0.625	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	6.000	10.0	1.0	1.0	1.297	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	7.500	10.0	1.0	1.0	1.681	STD7	2025-02-21 13:13:53 UTC-5	used

Bromide (Anions)

($\mu\text{S}/\text{cm}$) $\times$ min



Function: $A = -0.0113202 + 4.30364E-3 \times Q$

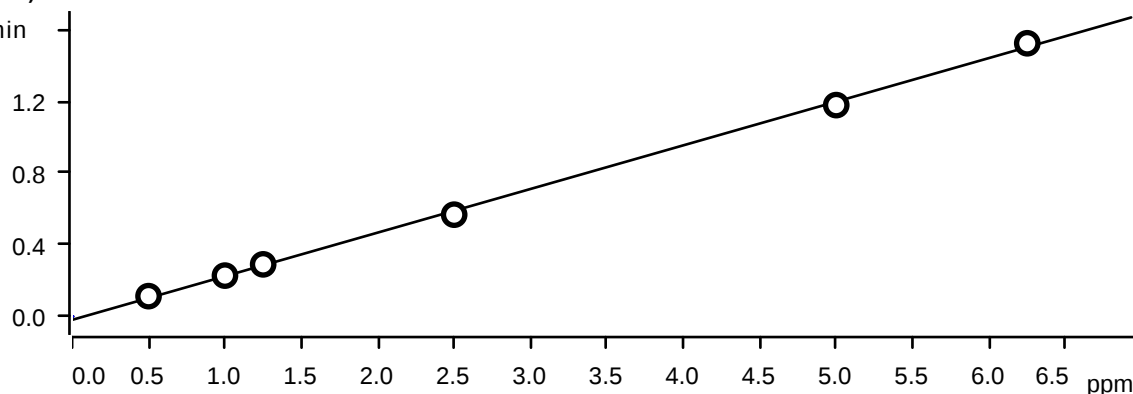
Relative standard deviation 2.628989 %

Correlation coefficient 0.999641

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	2.000	10.0	1.0	1.0	0.081	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	4.000	10.0	1.0	1.0	0.163	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	5.000	10.0	1.0	1.0	0.207	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	10.000	10.0	1.0	1.0	0.405	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	20.000	10.0	1.0	1.0	0.837	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	25.000	10.0	1.0	1.0	1.078	STD7	2025-02-21 13:13:53 UTC-5	used

Nitrate (Anions)

($\mu\text{S}/\text{cm}$) $\times$ min

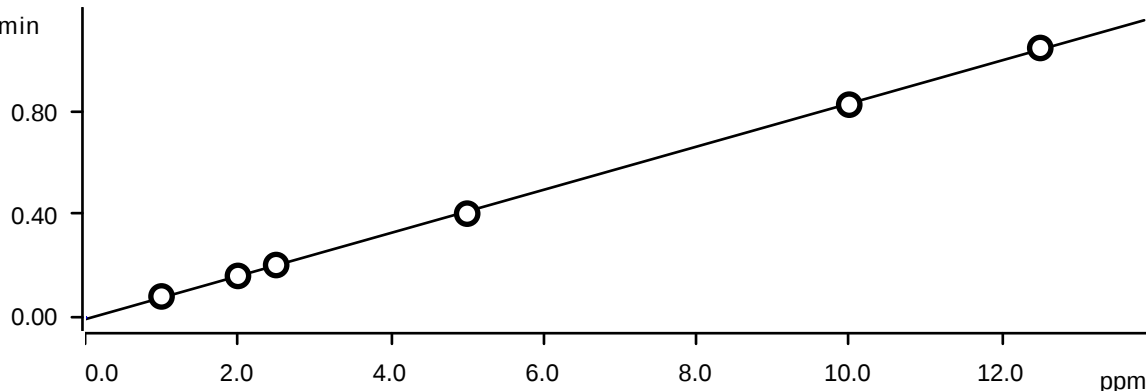


Function: $A = -0.0190446 + 0.0243327 \times Q$

Relative standard deviation 2.936394 %

Correlation coefficient 0.999557

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	0.500	10.0	1.0	1.0	0.113	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	1.000	10.0	1.0	1.0	0.228	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	1.250	10.0	1.0	1.0	0.290	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	2.500	10.0	1.0	1.0	0.568	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	5.000	10.0	1.0	1.0	1.178	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	6.250	10.0	1.0	1.0	1.523	STD7	2025-02-21 13:13:53 UTC-5	used

Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -6.44326E-3 + 8.35469E-3 \times Q$

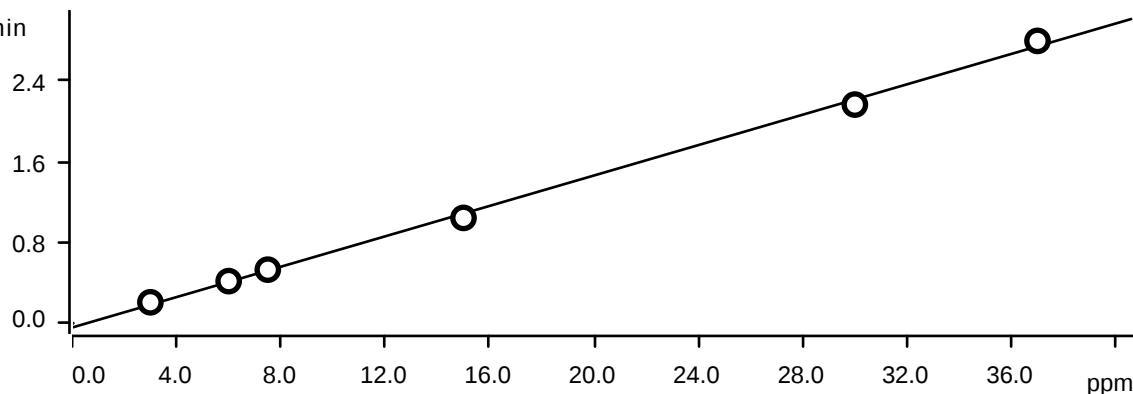
Relative standard deviation 1.393773 %

Correlation coefficient 0.999897

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	1.000	10.0	1.0	1.0	0.082	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	2.000	10.0	1.0	1.0	0.161	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	2.500	10.0	1.0	1.0	0.204	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	5.000	10.0	1.0	1.0	0.403	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	10.000	10.0	1.0	1.0	0.825	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	12.500	10.0	1.0	1.0	1.044	STD7	2025-02-21 13:13:53 UTC-5	used

Sulfate (Anions)

($\mu\text{S/cm}$) x min



Function: $A = -0.0430107 + 7.53437E-3 \times Q$

Relative standard deviation 3.742757 %

Correlation coefficient 0.999282

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	3.000	10.0	1.0	1.0	0.207	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	6.000	10.0	1.0	1.0	0.417	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	7.500	10.0	1.0	1.0	0.531	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	15.000	10.0	1.0	1.0	1.044	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	30.000	10.0	1.0	1.0	2.167	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	37.000	10.0	1.0	1.0	2.798	STD7	2025-02-21 13:13:53 UTC-5	used

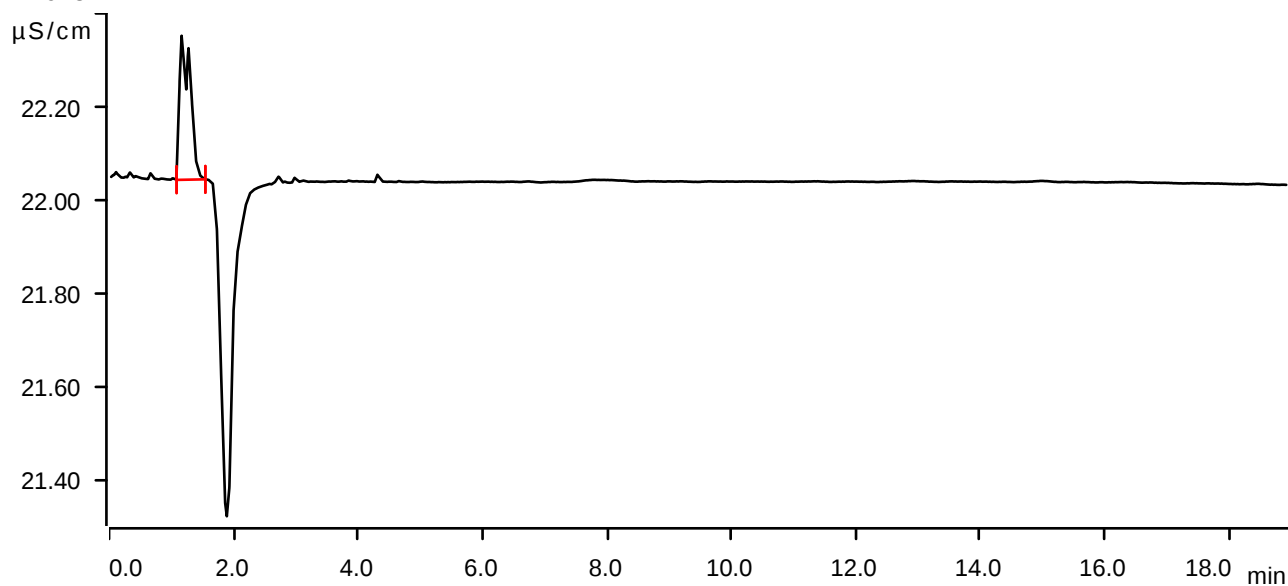
Sample data

Ident STD1
Sample type Standard 1
Determination start 2025-02-21 11:05:25 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.05 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time	Area	Height	Concentration	Component name
	min	(μS/cm) x min	μS/cm	ppm	
1	1.167	0.0607	0.309	invalid	

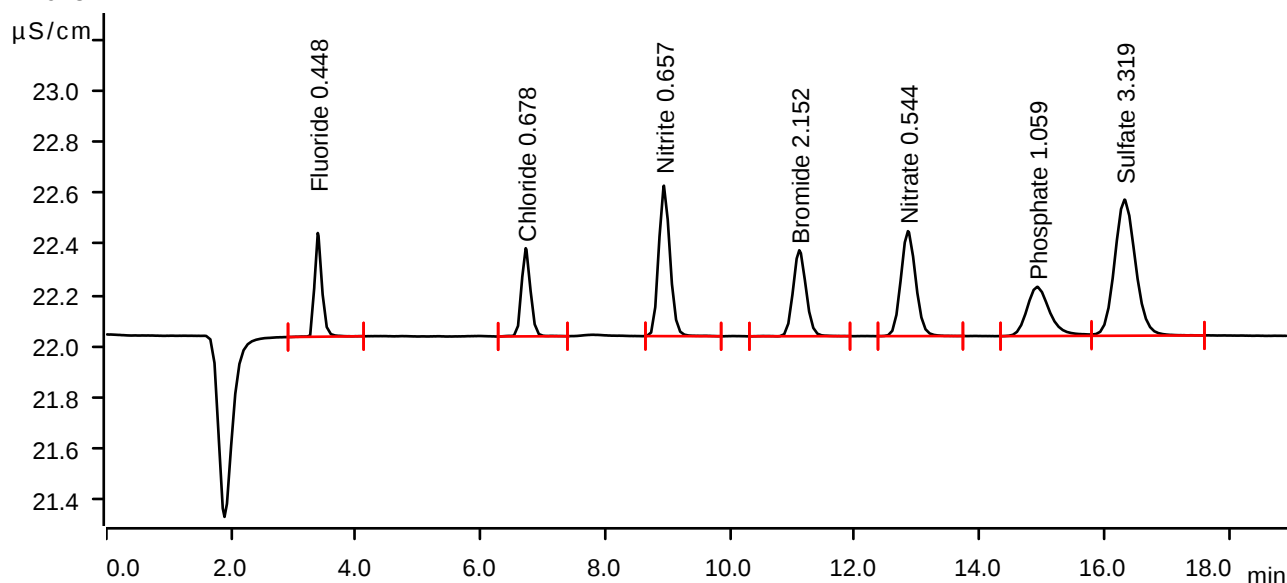
Sample data

Ident STD2
Sample type Standard 2
Determination start 2025-02-21 11:26:47 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.11 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.0550	0.405	0.448	Fluoride
2	6.723	0.0574	0.344	0.678	Chloride
3	8.940	0.1238	0.587	0.657	Nitrite
4	11.110	0.0813	0.336	2.152	Bromide
5	12.852	0.1132	0.410	0.544	Nitrate
6	14.923	0.0820	0.192	1.059	Phosphate
7	16.323	0.2071	0.531	3.319	Sulfate

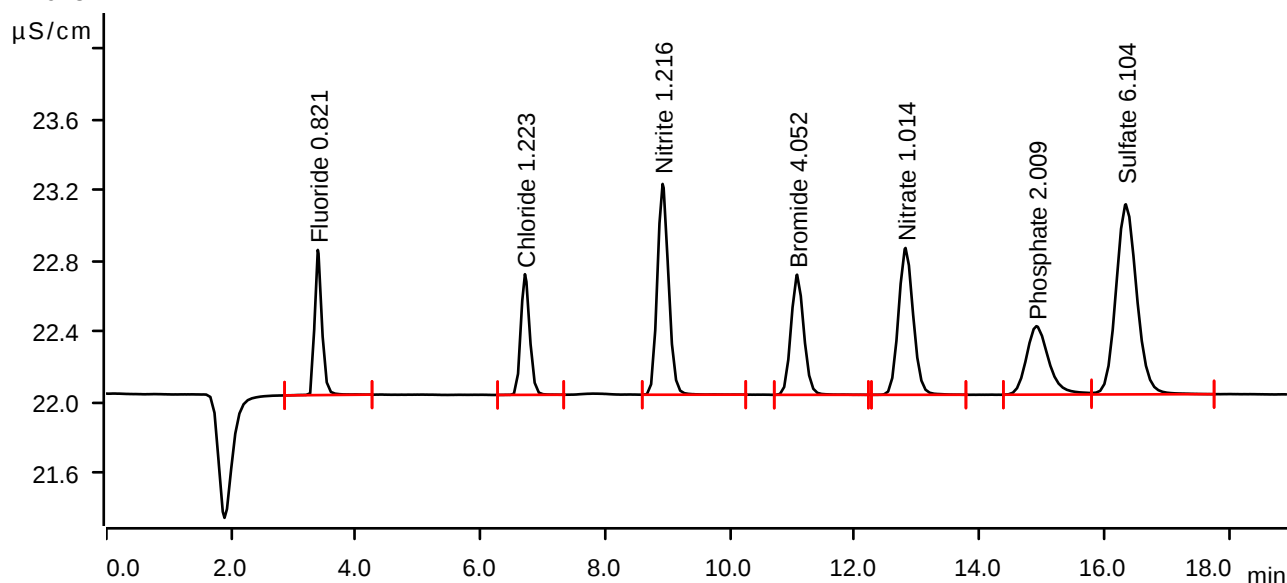
Sample data

Ident STD3
Sample type Standard 3
Determination start 2025-02-21 11:48:11 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.94 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.1102	0.822	0.821	Fluoride
2	6.712	0.1120	0.683	1.223	Chloride
3	8.918	0.2491	1.193	1.216	Nitrite
4	11.075	0.1631	0.680	4.052	Bromide
5	12.813	0.2277	0.831	1.014	Nitrate
6	14.912	0.1614	0.387	2.009	Phosphate
7	16.345	0.4169	1.076	6.104	Sulfate

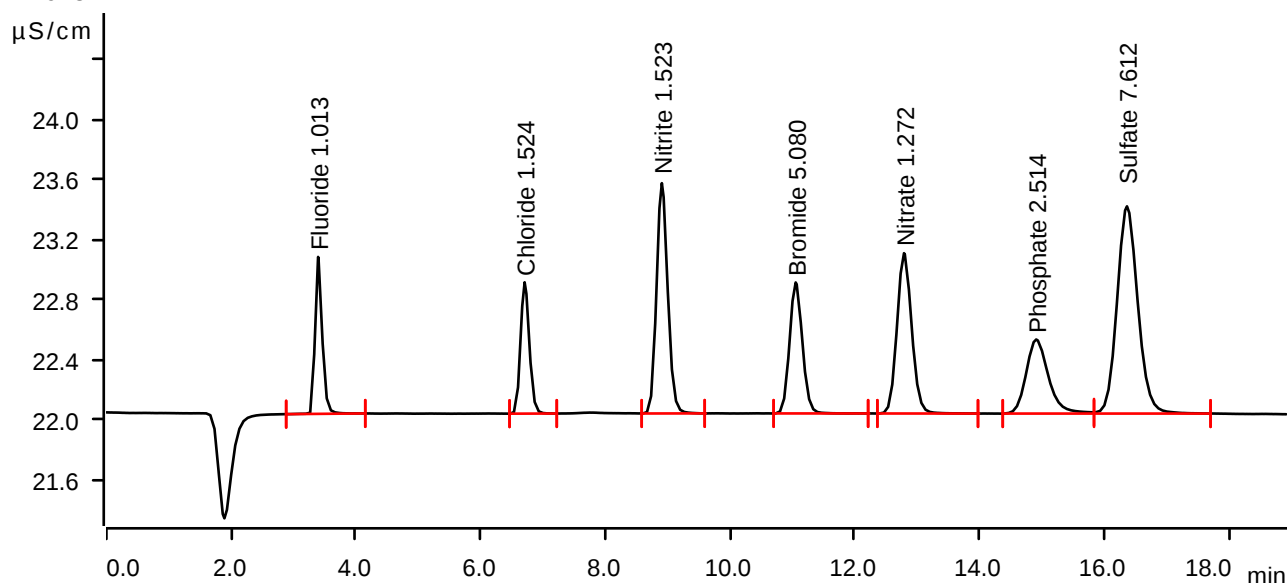
Sample data

Ident STD4
Sample type Standard 4
Determination start 2025-02-21 12:09:35 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.94 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.395	0.1386	1.042	1.013	Fluoride
2	6.707	0.1422	0.872	1.524	Chloride
3	8.907	0.3178	1.529	1.523	Nitrite
4	11.052	0.2073	0.870	5.080	Bromide
5	12.788	0.2904	1.064	1.272	Nitrate
6	14.908	0.2036	0.492	2.514	Phosphate
7	16.363	0.5305	1.376	7.612	Sulfate

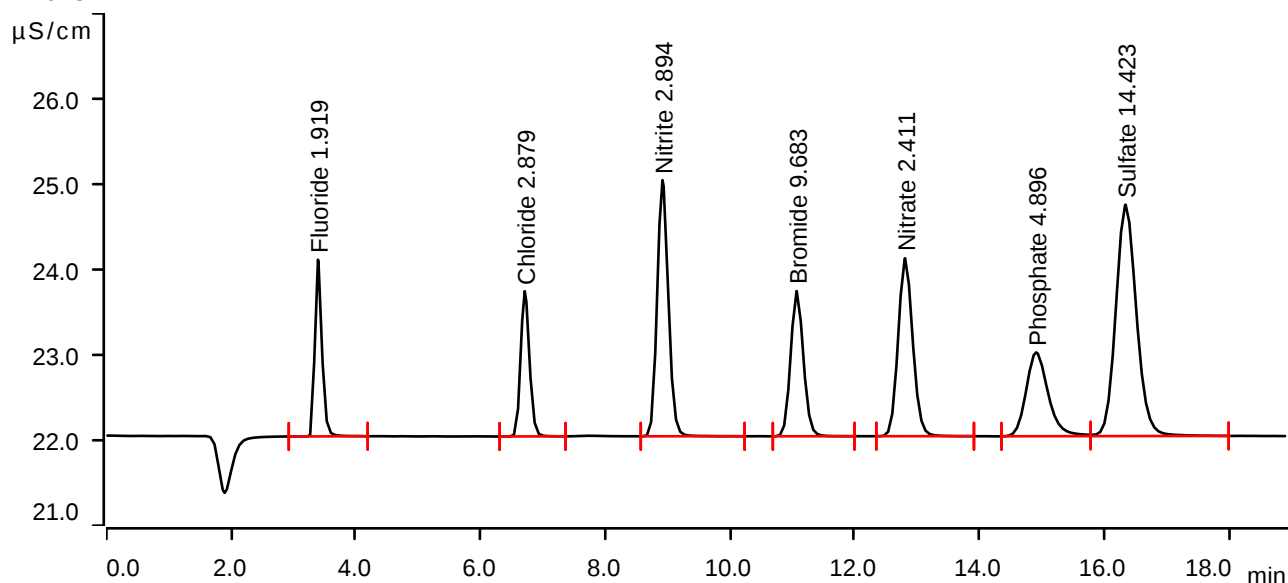
Sample data

Ident STD5
Sample type Standard 5
Determination start 2025-02-21 12:31:01 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.88 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.2728	2.069	1.919	Fluoride
2	6.708	0.2780	1.702	2.879	Chloride
3	8.917	0.6246	3.000	2.894	Nitrite
4	11.068	0.4054	1.702	9.683	Bromide
5	12.807	0.5675	2.085	2.411	Nitrate
6	14.907	0.4026	0.982	4.896	Phosphate
7	16.342	1.0436	2.711	14.423	Sulfate

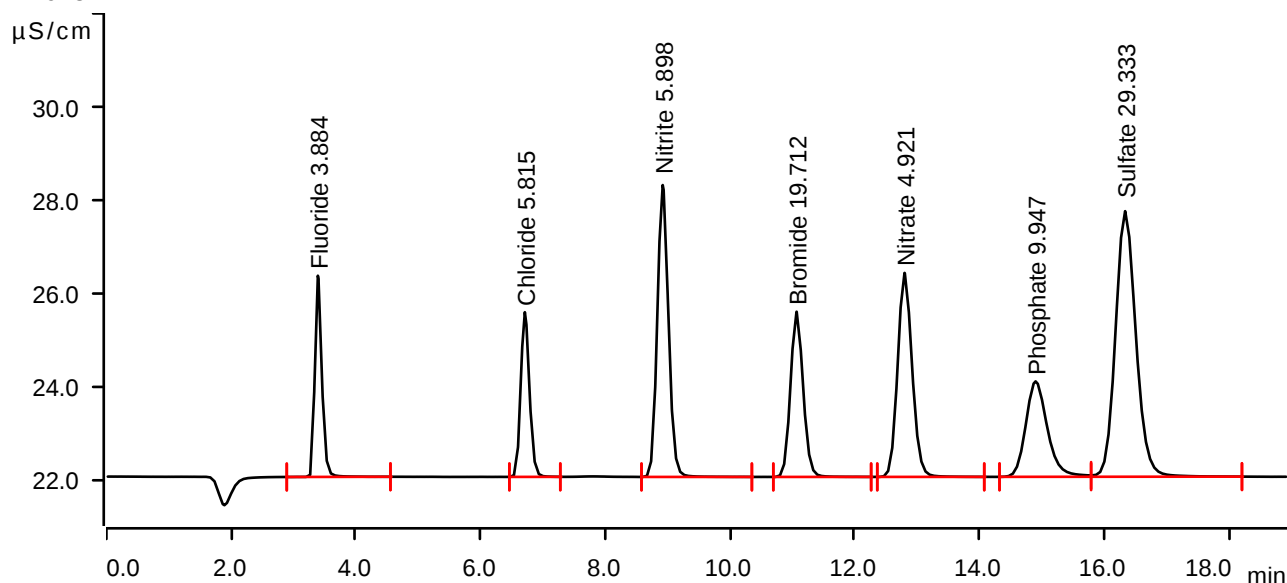
Sample data

Ident STD6
Sample type Standard 6
Determination start 2025-02-21 12:52:27 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.94 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.392	0.5636	4.320	3.884	Fluoride
2	6.710	0.5722	3.536	5.815	Chloride
3	8.920	1.2971	6.268	5.898	Nitrite
4	11.065	0.8370	3.548	19.712	Bromide
5	12.797	1.1784	4.381	4.921	Nitrate
6	14.898	0.8246	2.050	9.947	Phosphate
7	16.333	2.1670	5.703	29.333	Sulfate

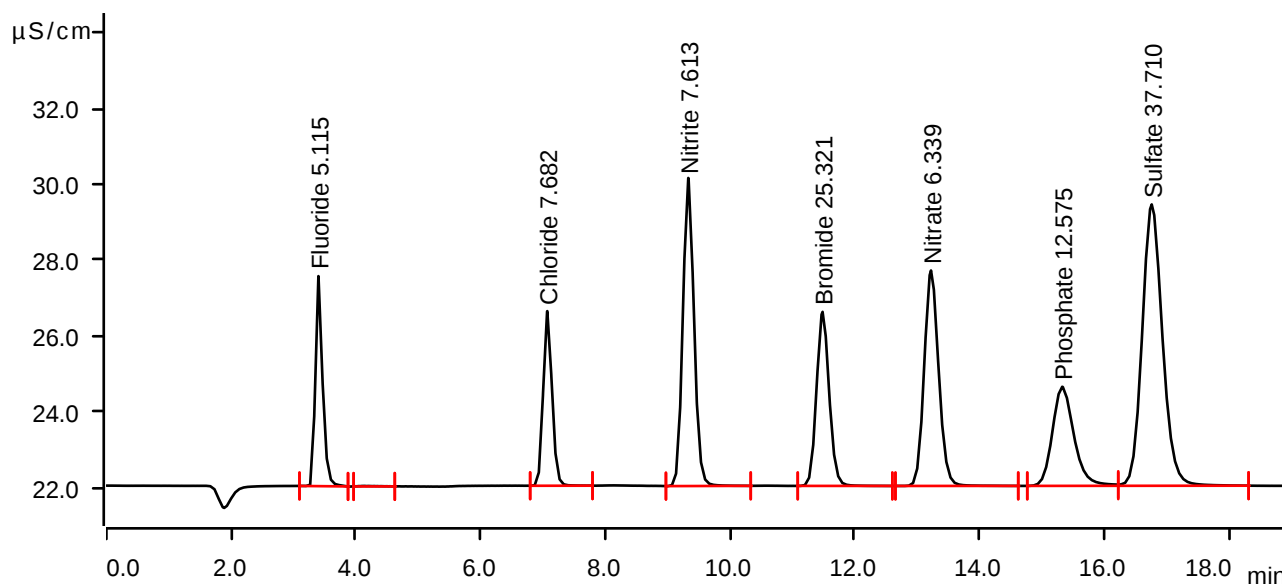
Sample data

Ident STD7
Sample type Standard 7
Determination start 2025-02-21 13:13:53 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.88 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	3.400	0.7457	5.535	5.115	Fluoride
2	4.197	0.0046	0.012	invalid	
3	7.070	0.7592	4.602	7.682	Chloride
4	9.330	1.6810	8.120	7.613	Nitrite
5	11.483	1.0784	4.588	25.321	Bromide
6	13.222	1.5233	5.678	6.339	Nitrate
7	15.325	1.0441	2.611	12.575	Phosphate
8	16.760	2.7982	7.416	37.710	Sulfate

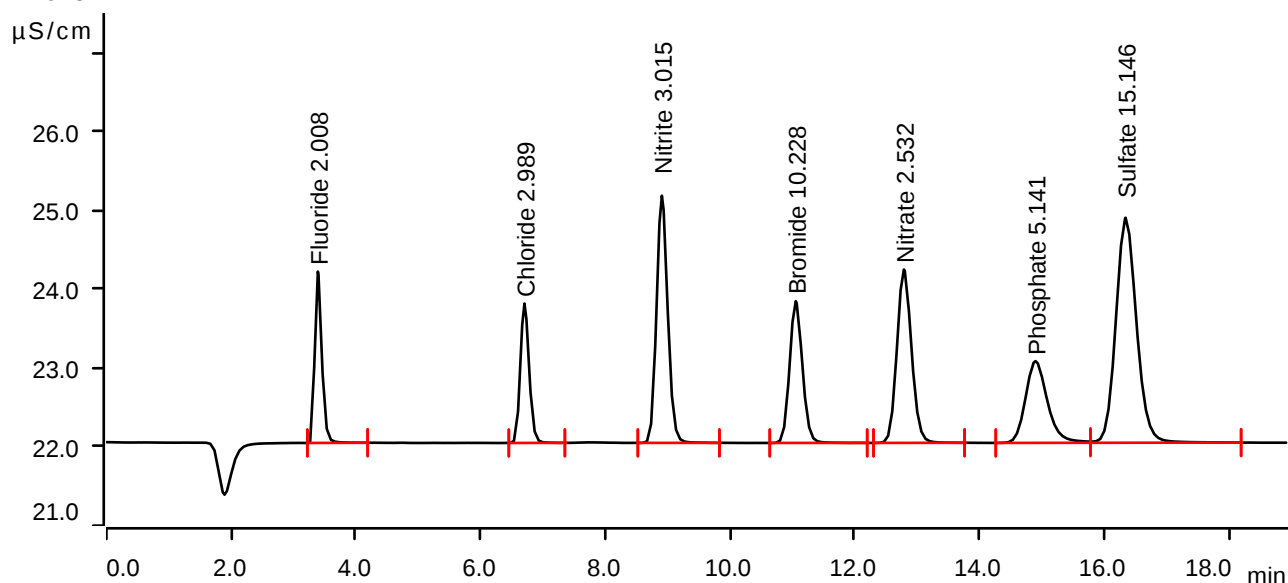
Sample data

Ident ICV
Sample type Check standard 1
Determination start 2025-02-21 13:35:21 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.94 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



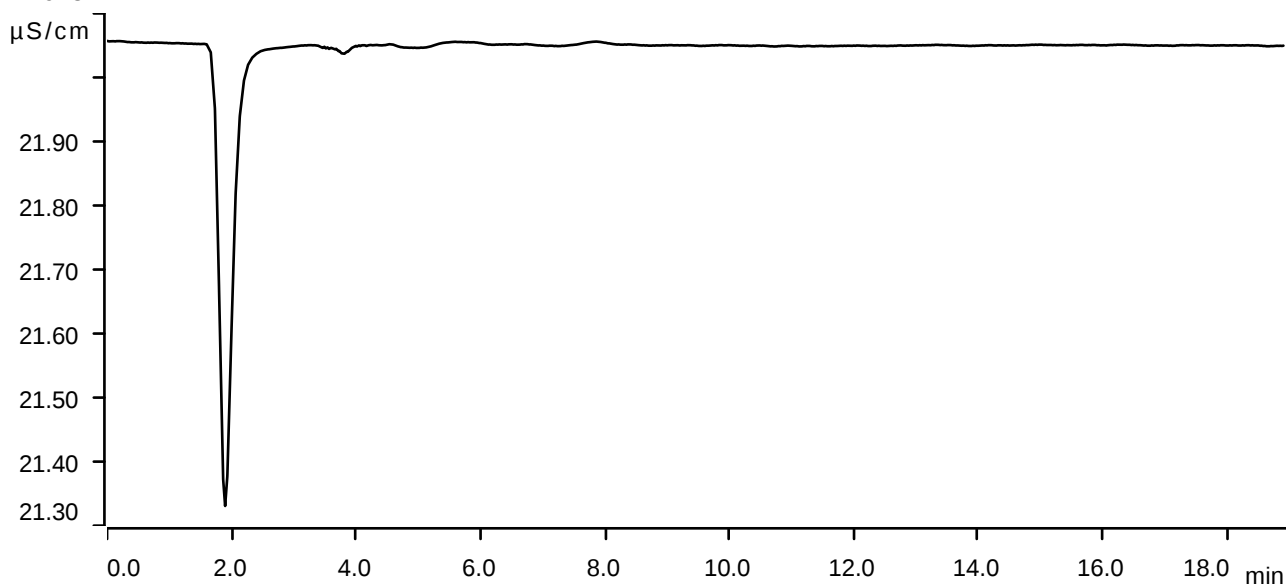
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.392	0.2859	2.174	2.008	Fluoride
2	6.703	0.2890	1.769	2.989	Chloride
3	8.907	0.6518	3.137	3.015	Nitrite
4	11.053	0.4289	1.799	10.228	Bromide
5	12.787	0.5971	2.200	2.532	Nitrate
6	14.897	0.4230	1.038	5.141	Phosphate
7	16.342	1.0982	2.855	15.146	Sulfate

Sample data

Ident ICB
Sample type Sample
Determination start 2025-02-21 13:56:49 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.88 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

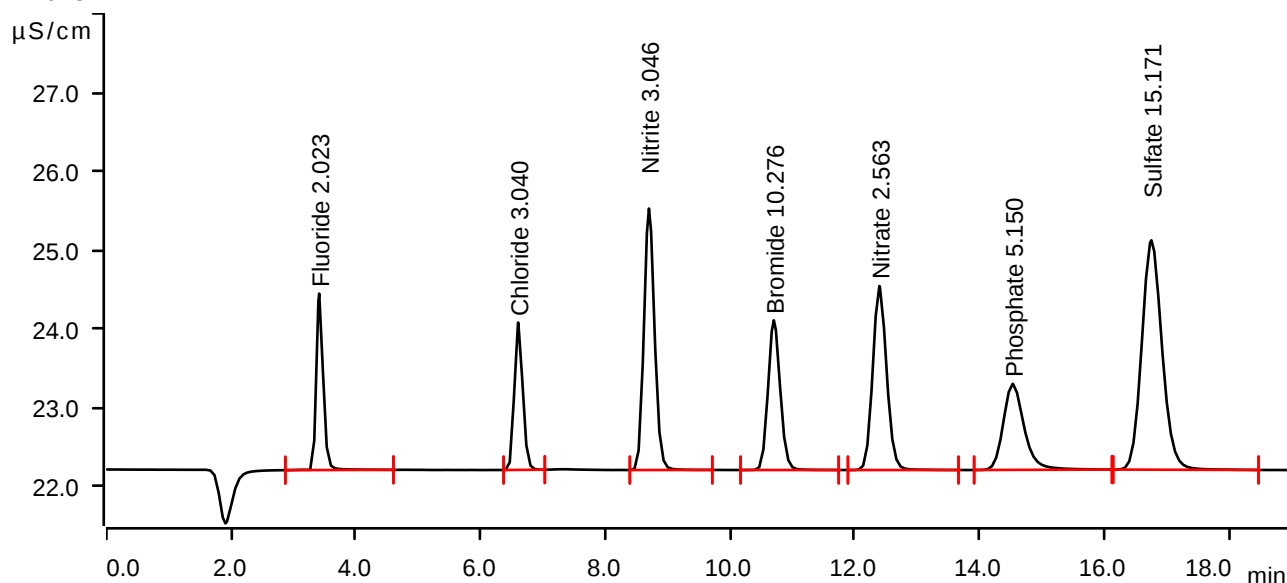
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-03-07 10:50:15 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.75 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.413	0.2881	2.239	2.023	Fluoride
2	6.605	0.2941	1.871	3.040	Chloride
3	8.700	0.6587	3.318	3.046	Nitrite
4	10.702	0.4309	1.900	10.276	Bromide
5	12.393	0.6046	2.335	2.563	Nitrate
6	14.532	0.4238	1.093	5.150	Phosphate
7	16.755	1.1000	2.911	15.171	Sulfate

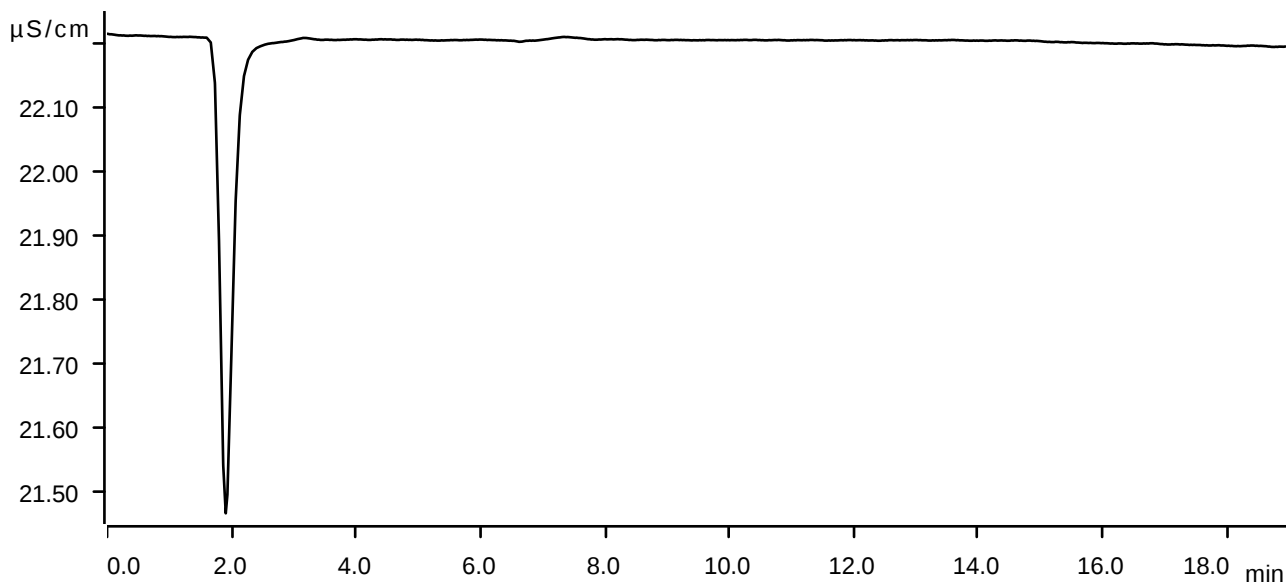
Sample data

Ident CCB
Sample type Sample
Determination start 2025-03-07 11:11:45 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.81 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

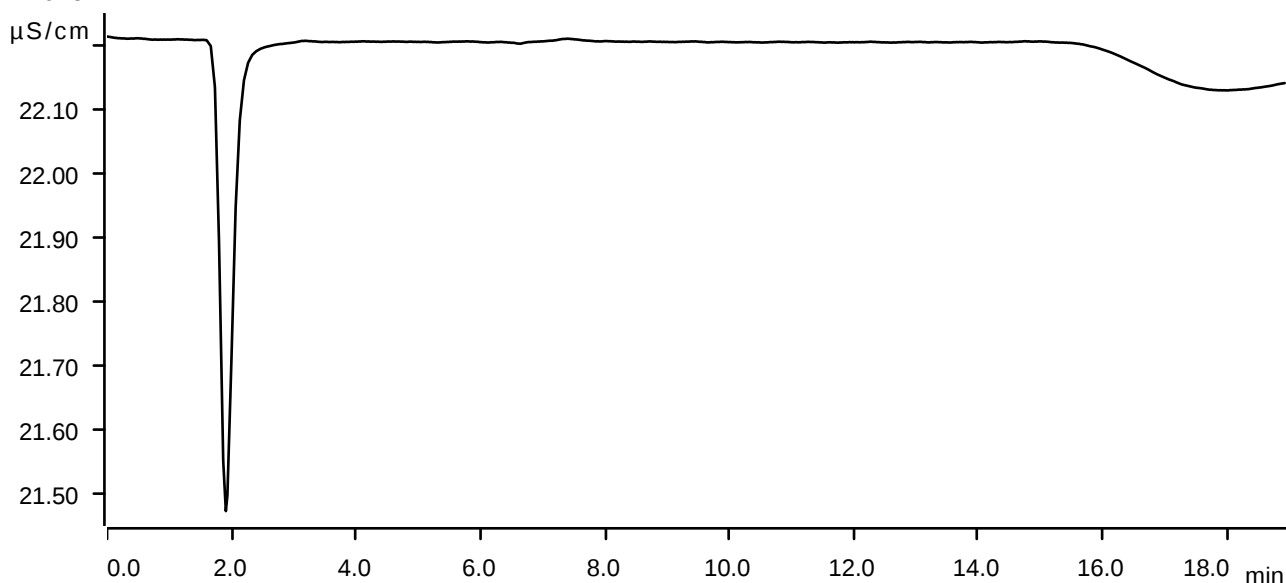


Sample data

Ident LB134959BLW
Sample type Sample
Determination start 2025-03-07 11:33:16 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.98 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

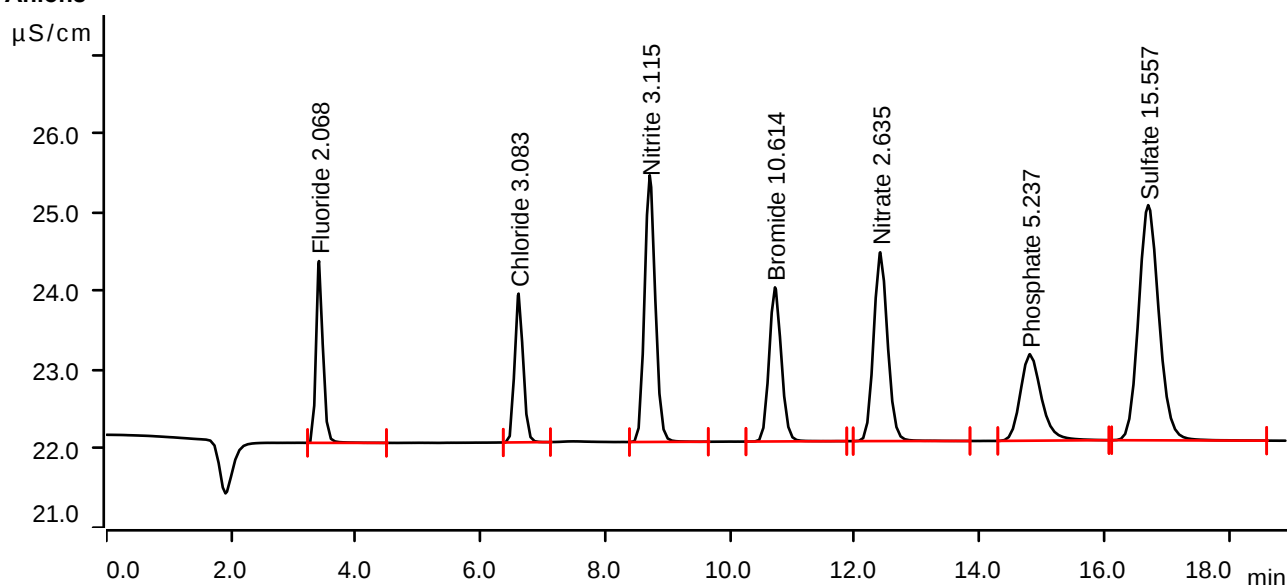
Sample data

Ident LB134959BSW
Sample type Check standard 1
Determination start 2025-03-07 11:54:46 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.87 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.410	0.2948	2.306	2.068	Fluoride
2	6.610	0.2985	1.887	3.083	Chloride
3	8.712	0.6741	3.384	3.115	Nitrite
4	10.720	0.4455	1.956	10.614	Bromide
5	12.408	0.6222	2.396	2.635	Nitrate
6	14.807	0.4311	1.097	5.237	Phosphate
7	16.703	1.1291	2.984	15.557	Sulfate

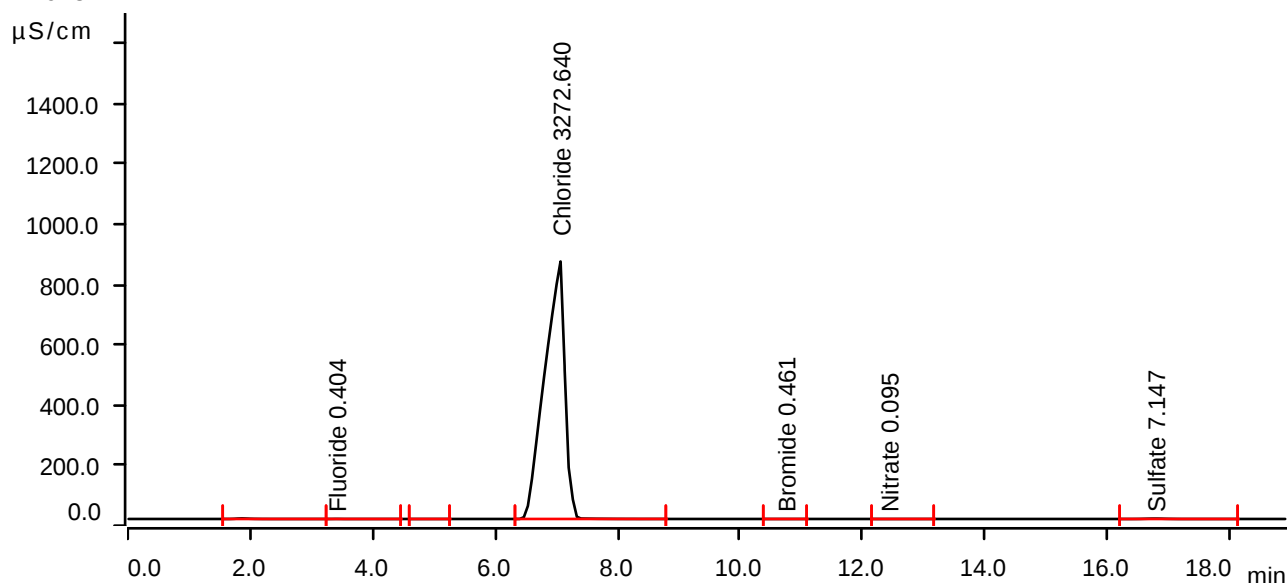
Sample data

Ident Q1525-01
Sample type Sample
Determination start 2025-03-07 12:16:19 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.75 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	1.862	0.5067	1.853	invalid	
2	3.407	0.0485	0.316	0.404	Fluoride
3	4.773	0.0030	0.014	invalid	
4	7.068	327.9303	854.600	3272.640	Chloride
5	10.738	0.0085	0.039	0.461	Bromide
6	12.420	0.0042	0.016	0.095	Nitrate
7	16.775	0.4955	1.305	7.147	Sulfate

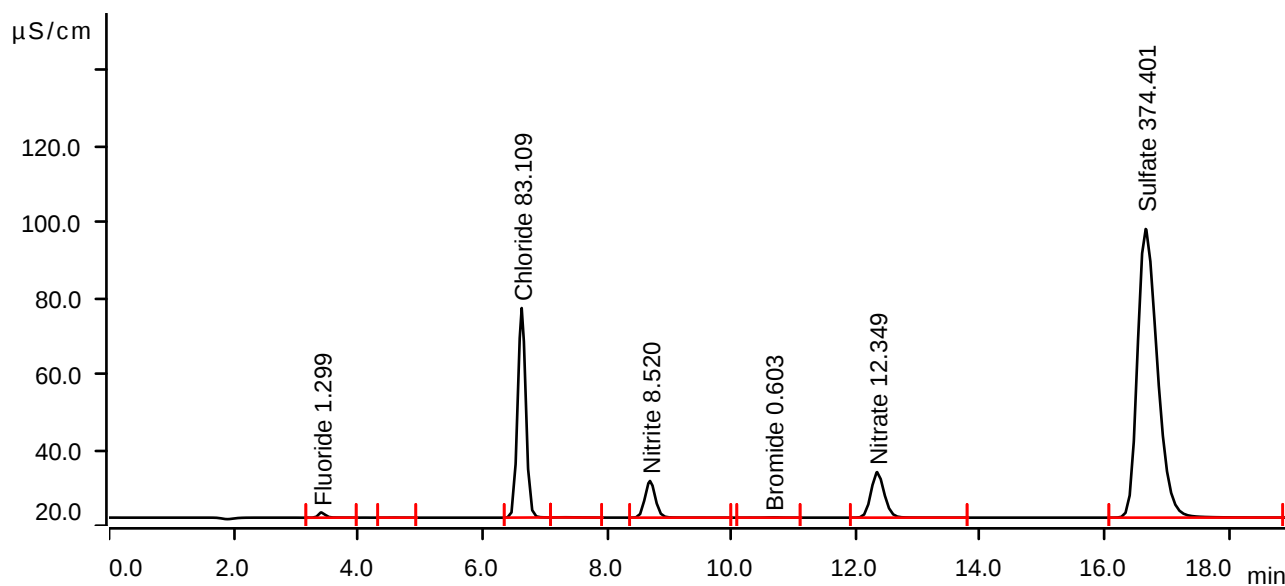
Sample data

Ident Q1522-02
Sample type Sample
Determination start 2025-03-07 12:37:54 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.70 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	3.413	0.1810	1.384	1.299	Fluoride
2	4.592	0.0045	0.026	invalid	
3	6.632	8.3176	55.216	83.109	Chloride
4	7.333	0.0208	0.056	invalid	
5	8.693	1.8841	9.662	8.520	Nitrite
6	10.670	0.0146	0.060	0.603	Bromide
7	12.343	2.9857	11.995	12.349	Nitrate
8	16.658	28.1657	76.078	374.401	Sulfate

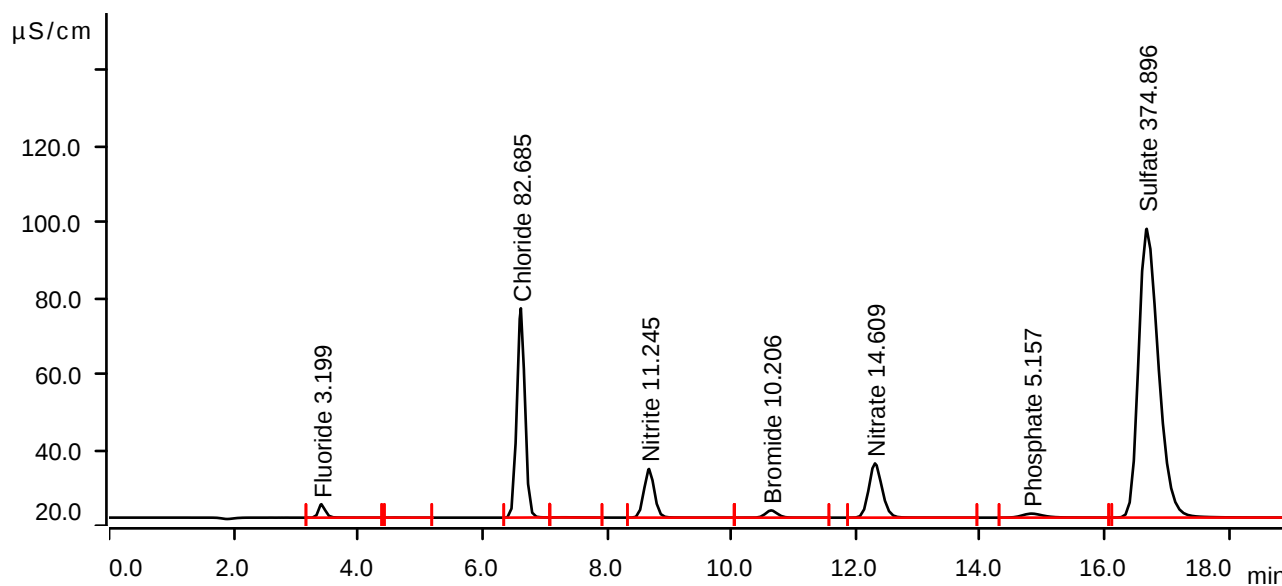
Sample data

Ident Q1522-02MS
Sample type Sample
Determination start 2025-03-07 12:59:27 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.64 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	3.413	0.4622	3.546	3.199	Fluoride
2	4.588	0.0045	0.024	invalid	
3	6.618	8.2751	55.155	82.685	Chloride
4	7.330	0.0183	0.051	invalid	
5	8.678	2.4942	12.822	11.245	Nitrite
6	10.640	0.4279	1.908	10.206	Bromide
7	12.308	3.5357	14.297	14.609	Nitrate
8	14.825	0.4244	1.060	5.157	Phosphate
9	16.675	28.2030	76.107	374.896	Sulfate

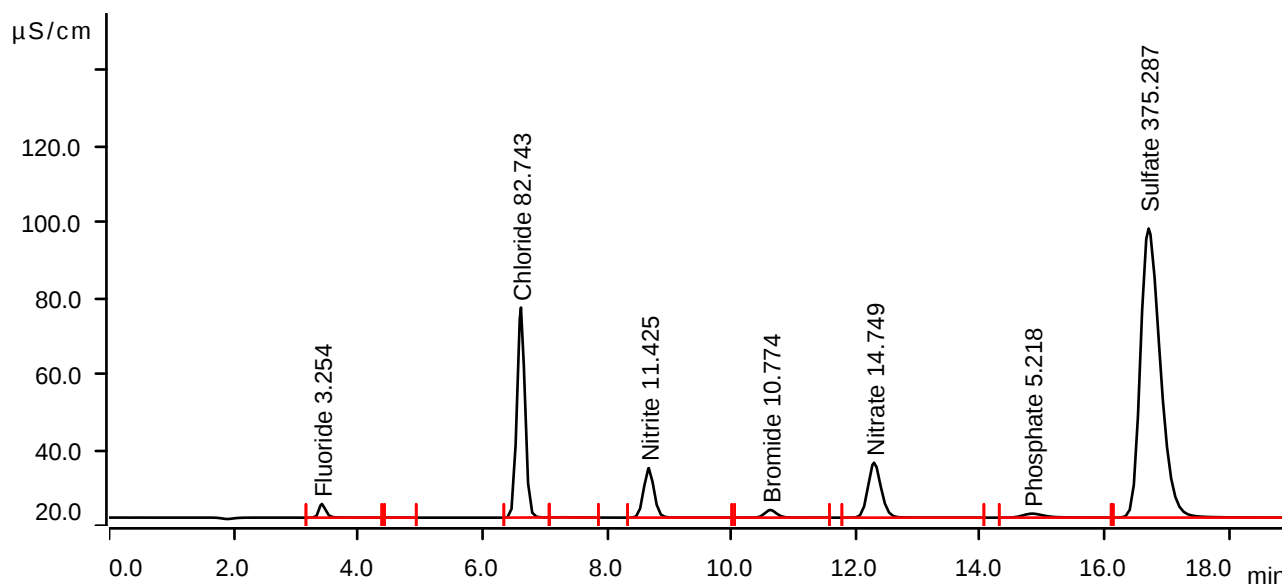
Sample data

Ident Q1522-02MSD
Sample type Sample
Determination start 2025-03-07 13:21:01 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.53 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	3.422	0.4703	3.615	3.254	Fluoride
2	4.593	0.0042	0.024	invalid	
3	6.620	8.2809	55.344	82.743	Chloride
4	7.305	0.0173	0.049	invalid	
5	8.673	2.5345	13.053	11.425	Nitrite
6	10.628	0.4524	2.022	10.774	Bromide
7	12.293	3.5698	14.484	14.749	Nitrate
8	14.835	0.4295	1.050	5.218	Phosphate
9	16.705	28.2325	76.188	375.287	Sulfate

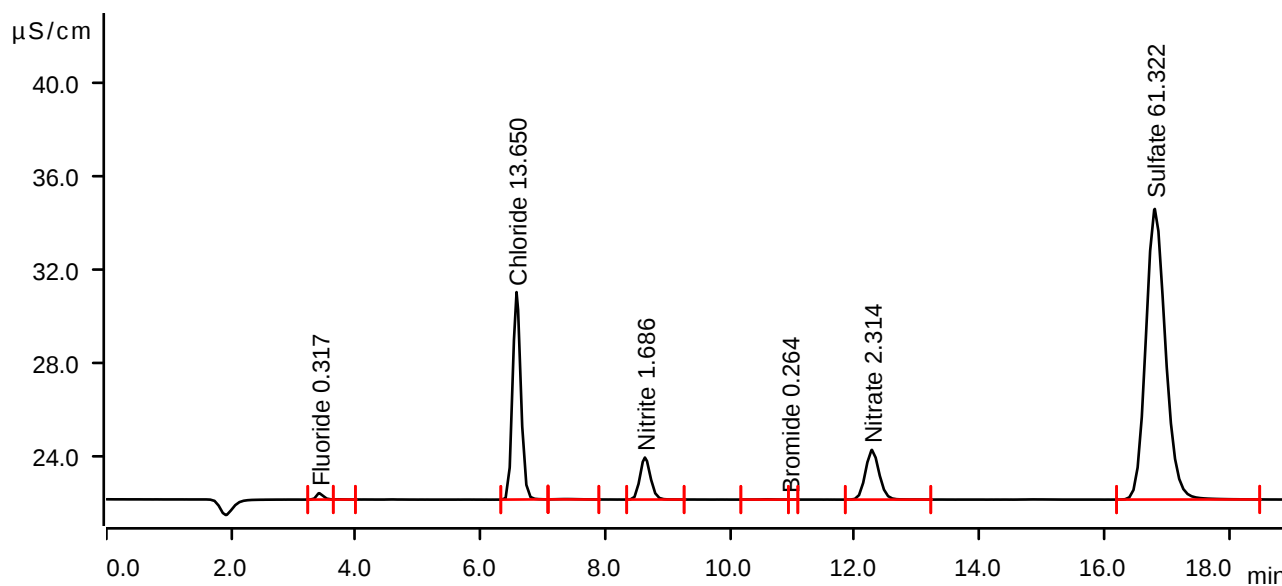
Sample data

Ident Q1522-02DLX5
Sample type Sample
Determination start 2025-03-07 13:42:35 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.47 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	3.415	0.0356	0.277	0.317	Fluoride
2	3.720	0.0017	0.010	invalid	
3	6.577	1.3573	8.908	13.650	Chloride
4	7.362	0.0059	0.015	invalid	
5	8.635	0.3542	1.804	1.686	Nitrite
6	10.598	0.0029	0.012	invalid	
7	10.953	0.0001	0.001	0.264	Bromide
8	12.275	0.5440	2.134	2.314	Nitrate
9	16.810	4.5772	12.482	61.322	Sulfate

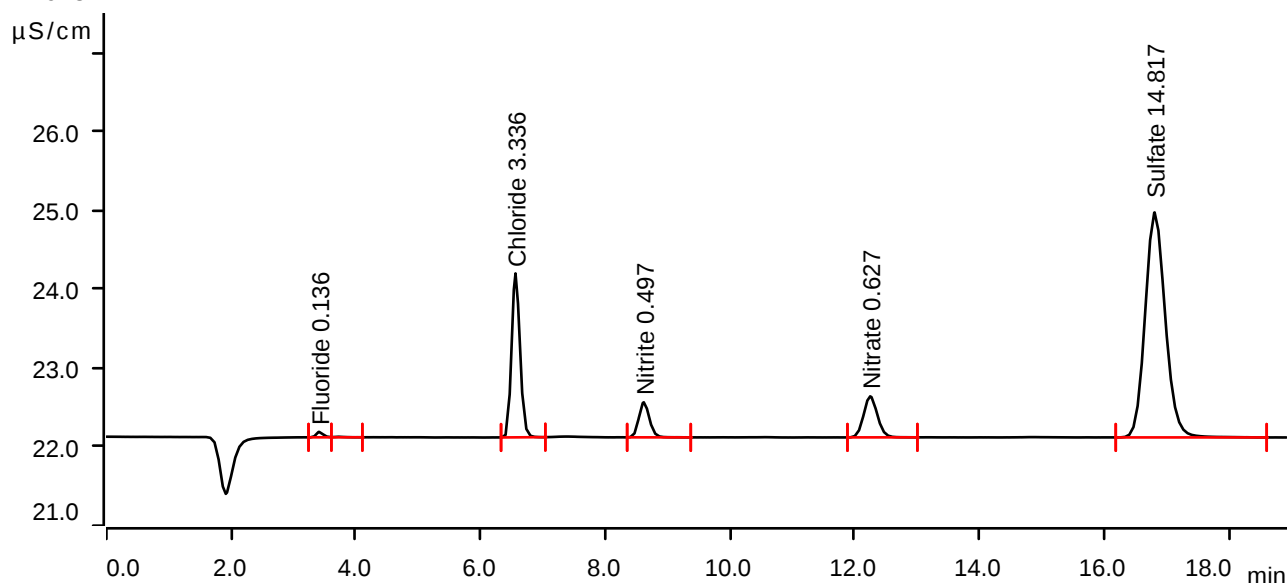
Sample data

Ident Q1522-02DL2X20
Sample type Sample
Determination start 2025-03-07 14:04:09 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.92 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.412	0.0089	0.069	0.136	Fluoride
2	3.725	0.0012	0.007	invalid	
3	6.560	0.3237	2.080	3.336	Chloride
4	8.617	0.0880	0.445	0.497	Nitrite
5	12.247	0.1334	0.521	0.627	Nitrate
6	16.807	1.0734	2.855	14.817	Sulfate

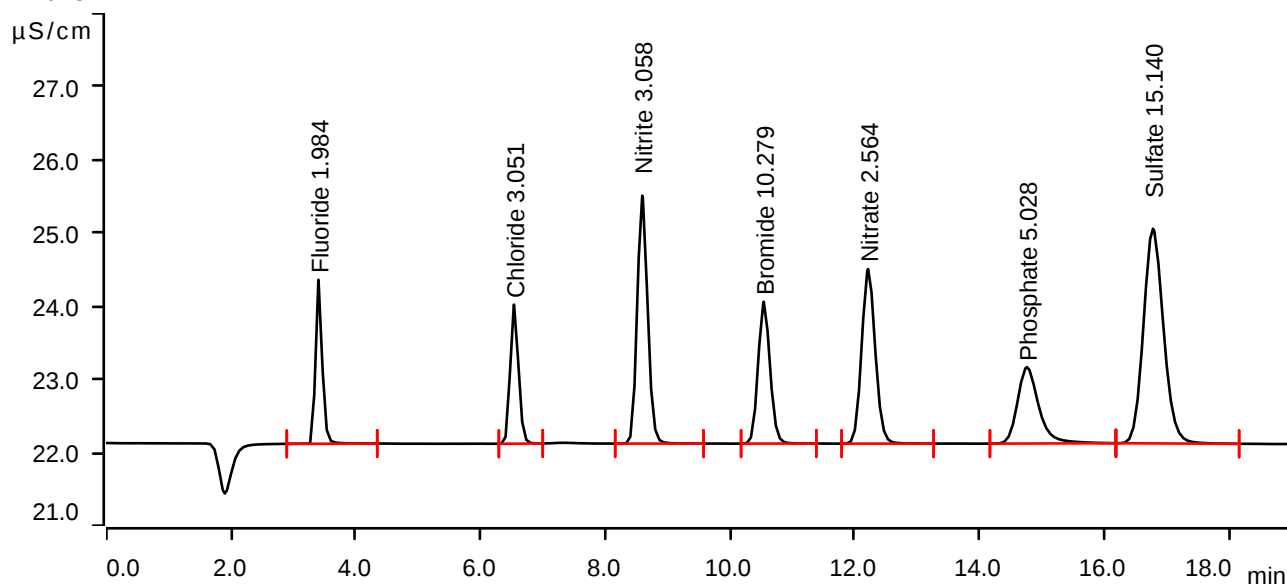
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-03-07 14:25:43 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.11 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



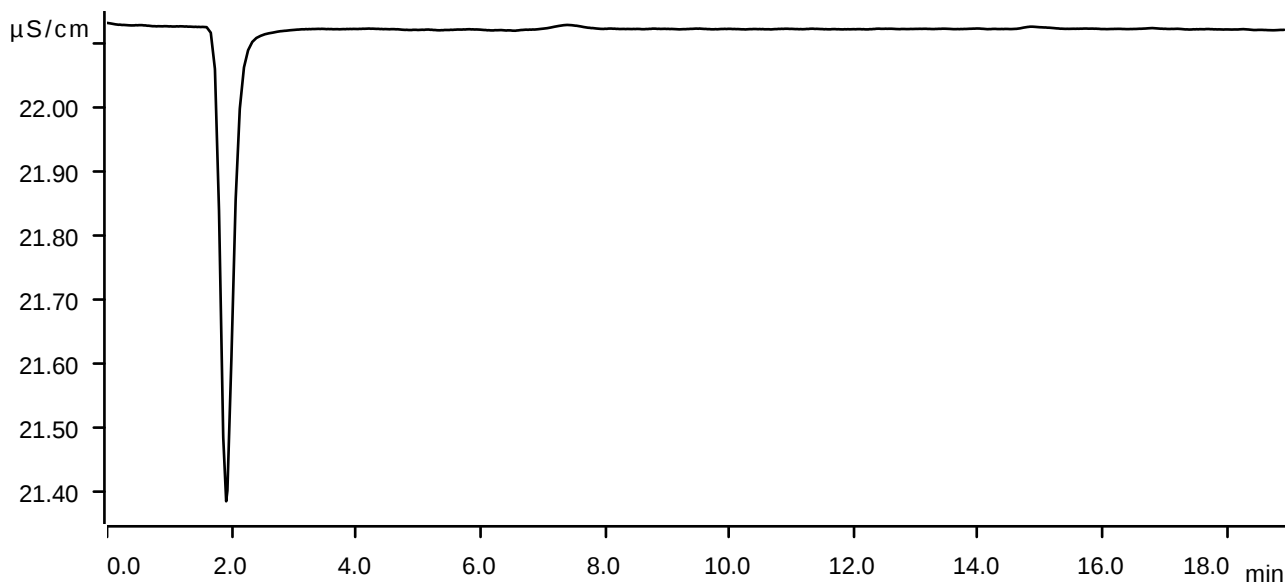
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.400	0.2823	2.240	1.984	Fluoride
2	6.537	0.2952	1.900	3.051	Chloride
3	8.592	0.6614	3.388	3.058	Nitrite
4	10.540	0.4310	1.939	10.279	Bromide
5	12.213	0.6049	2.386	2.564	Nitrate
6	14.760	0.4137	1.044	5.028	Phosphate
7	16.780	1.0977	2.934	15.140	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-03-07 14:47:13 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 10.70 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

TitriSoft Report

Reviewed By:
On:
Inst Id :Titroline Alpha
Titrator
LB :LB135065

Ident	Amount	DateTime	Alkalinity	Final pH (sample)	Initial pH (sample)	slope	offset
LB135065BLW	100	18/03/2025 09:30	0.00	3.87	3.91	102.5	6.86
LB135065BSW	100	18/03/2025 09:35	44.96	4.40	8.70	102.5	6.86
Q1505-05	50	18/03/2025 09:40	344.44	4.46	8.32	102.5	6.86
Q1525-01	50	18/03/2025 09:45	153.62	4.46	7.68	102.5	6.86
Q1525-01DUP	50	18/03/2025 09:50	153.68	4.45	7.68	102.5	6.86

03/18/2025

03.18.2025

NF

Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134959

Review By	Niha	Review On	3/11/2025 9:15:10 AM
Supervise By	Iwona	Supervise On	3/11/2025 4:16:22 PM
SubDirectory	LB134959	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP112016,WP112017,WP112018,WP112019,WP112020,WP112021,WP112022		
ICV Standard	WP112023		
CCV Standard	WP112231		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112232		
Chk Standard	WP112024,WP112025		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	02/21/25 11:05	All standards, samples, and	NF/IZ	OK
2	STD2	STD2	CAL2	02/21/25 11:26	QC are filtered through	NF/IZ	OK
3	STD3	STD3	CAL3	02/21/25 11:48	0.45um, filter lot W3160	NF/IZ	OK
4	STD4	STD4	CAL4	02/21/25 12:09		NF/IZ	OK
5	STD5	STD5	CAL5	02/21/25 12:31		NF/IZ	OK
6	STD6	STD6	CAL6	02/21/25 12:52		NF/IZ	OK
7	STD7	STD7	CAL7	02/21/25 13:13		NF/IZ	OK
8	ICV1	ICV1	ICV	02/21/25 13:35		NF/IZ	OK
9	ICB1	ICB1	ICB	02/21/25 13:56		NF/IZ	OK
10	CCV1	CCV1	CCV	03/07/25 10:50		NF/IZ	OK
11	CCB1	CCB1	CCB	03/07/25 11:11		NF/IZ	OK
12	LB134959BLW	LB134959BLW	MB	03/07/25 11:33		NF/IZ	OK
13	LB134959BSW	LB134959BSW	LCS	03/07/25 11:54		NF/IZ	OK
14	Q1525-01	MW10	SAM	03/07/25 12:16	Cl high	NF/IZ	Dilution
15	Q1522-02	TW-WTS-04	SAM	03/07/25 12:37		NF/IZ	OK
16	Q1522-02MS	TW-WTS-04MS	MS	03/07/25 12:59	9.5ml of sample, 0.5mL W3092	NF/IZ	OK
17	Q1522-02MSD	TW-WTS-04MSD	MSD	03/07/25 13:21	9.5ml of sample, 0.5mL W3092	NF/IZ	OK
18	Q1522-02DL	TW-WTS-04DL	SAM	03/07/25 13:42	5X for Cl, but still high	NF/IZ	Dilution

Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB134959

Review By	Niha	Review On	3/11/2025 9:15:10 AM
Supervise By	Iwona	Supervise On	3/11/2025 4:16:22 PM
SubDirectory	LB134959	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP112016,WP112017,WP112018,WP112019,WP112020,WP112021,WP112022		
ICV Standard	WP112023		
CCV Standard	WP112231		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112232		
Chk Standard	WP112024,WP112025		

19	Q1522-02DL2	TW-WTS-04DL2	SAM	03/07/25 14:04	20X for Cl	NF/IZ	Confirms
20	CCV2	CCV2	CCV	03/07/25 14:25		NF/IZ	OK
21	CCB2	CCB2	CCB	03/07/25 14:47		NF/IZ	OK

Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QC Batch ID # LB135065

Review By		Review On	
Supervise By		Supervise On	
SubDirectory	LB135065	Test	Alkalinity
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112337		
Chk Standard	W3150,W3071,W3107		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB135065BLW	LB135065BLW	MB	03/18/25 09:30	pH=3.87	Niha	OK
2	LB135065BSW	LB135065BSW	LCS	03/18/25 09:35	pH=4.40	Niha	OK
3	Q1505-05	PT-MIN1-WP	SAM	03/18/25 09:40	pH=4.46	Niha	OK
4	Q1525-01	MW10	SAM	03/18/25 09:45	pH=4.46	Niha	OK
5	Q1525-01DUP	MW10DUP	DUP	03/18/25 09:50	pH=4.45	Niha	OK



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q1525
QUOTE NO.
COC Number 2046136

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION					
REPORT TO BE SENT TO: COMPANY: <u>G ENVIRONMENTAL</u>				PROJECT NAME: <u>DPW</u>				BILL TO: <u>G ENVIRONMENTAL</u> PO#:					
ADDRESS: <u>8 CARRIAGE</u>				PROJECT NO.: LOCATION: <u>NJ</u>				ADDRESS: <u>8 CARRIAGE</u>					
CITY: STATE: <u>NJ</u> ZIP: <u>07076</u>				PROJECT MANAGER: <u>GL</u>				CITY: STATE: <u>NJ</u> ZIP: <u>07076</u>					
ATTENTION: <u>GARY</u>				e-mail:				ATTENTION: PHONE:					
PHONE: FAX:				PHONE: FAX:				ANALYSIS					
DATA TURNAROUND INFORMATION				DATA DELIVERABLE INFORMATION									
FAX (RUSH) DAYS*				☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)									
HARDCOPY (DATA PACKAGE): <u>Standard</u> DAYS*				☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP									
EDD: DAYS*				☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B									
*TO BE APPROVED BY CHEMTECH				☐ + Raw Data ☐ Other <u>NOOP</u>									
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS				EDD FORMAT <u>hardcopy</u>									
ALLIANCE SAMPLE ID		PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX		SAMPLE TYPE		SAMPLE COLLECTION		PRESERVATIVES		COMMENTS	
						COMP GRAB		DATE TIME		# OF BOTTLES			
1.		<u>MW10</u>		<u>SW</u>		<u>X</u>		<u>3/12/25 12:25</u>		<u>X X X X X</u>		<u>pH 1.0 H₂SO₄</u>	
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY													
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:		Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: <u>2.1°C</u>							
1. <u>Hand</u>		<u>3/11/25</u>		<u>8:35</u>		Comments: <u>2.1°C</u>							
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:									
2.				2.									
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:									
3.				3.									
Page ____ of						CLIENT: ☐ Hand Delivered ☐ Other				Shipment Complete ☐ YES ☐ NO			

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1525	GENV01	Order Date : 3/7/2025 11:17:00 AM	Project Mgr :
Client Name : G Environmental		Project Name : DPW	Report Type : Level 1 NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 3/7/2025 8:35:00 AM	EDD Type : Excel NJ
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1525-01	MW10	Water	03/06/2025	12:25		VOCMS Group1	8260-Low		10 Bus. Days

Relinquished By : CL

Date / Time : 3-7-25 11:55

Received By : pl

Date / Time : 3-7-25 11:55

Storage Area : VOA Refridgerator Room