

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

LAB CHRONICLE

OrderID:	Q3605	OrderDate:	11/11/2025 10:35:25 AM
Client:	ATG - AKRON LAB	Project:	PO 25101605
Contact:	Amy Getz	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3605-01	25101605-001C	WATER			10/15/25 11:00			11/11/25
			Anions Group1	300.0			11/11/25 12:45	



SAMPLE DATA

Report of Analysis

Client: ATG - AKRON LAB
Project: PO 25101605
Client Sample ID: 25101605-001C
Lab Sample ID: Q3605-01

Date Collected: 10/15/25 11:00
Date Received: 11/11/25
SDG No.: Q3605
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Fluoride	2.10		1	0.11	0.40	mg/L		11/11/25 12:45	300.0

Comments: _____

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: ATG - AKRON LAB

SDG No.: Q3605

Project: PO 25101605

RunNo.: LB137853

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	9.7	10	97	90-110	11/03/2025
Chloride	mg/L	2.9	3	97	90-110	11/03/2025
Fluoride	mg/L	2	2	100	90-110	11/03/2025
Nitrite	mg/L	2.9	3	97	90-110	11/03/2025
Nitrate	mg/L	2.4	2.5	96	90-110	11/03/2025
Sulfate	mg/L	14.5	15	97	90-110	11/03/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/03/2025
Sample ID: CCV1						
Bromide	mg/L	10.3	10	103	90-110	11/11/2025
Chloride	mg/L	3.1	3	103	90-110	11/11/2025
Fluoride	mg/L	2.1	2	105	90-110	11/11/2025
Nitrite	mg/L	3.1	3	103	90-110	11/11/2025
Nitrate	mg/L	2.6	2.5	104	90-110	11/11/2025
Sulfate	mg/L	15.3	15	102	90-110	11/11/2025
Orthophosphate as P	mg/L	5	5	100	90-110	11/11/2025
Sample ID: CCV2						
Bromide	mg/L	10.5	10	105	90-110	11/11/2025
Chloride	mg/L	3.2	3	107	90-110	11/11/2025
Fluoride	mg/L	2.1	2	105	90-110	11/11/2025
Nitrite	mg/L	3.1	3	103	90-110	11/11/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/11/2025
Sulfate	mg/L	15.3	15	102	90-110	11/11/2025
Orthophosphate as P	mg/L	4.7	5	94	90-110	11/11/2025

Initial and Continuing Calibration Blank Summary

Client: ATG - AKRON LAB

SDG No.: Q3605

Project: PO 25101605

RunNo.: LB137853

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/03/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/11/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/11/2025

Preparation Blank Summary

Client: ATG - AKRON LAB

SDG No.: Q3605

Project: PO 25101605

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137853BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/11/2025

Matrix Spike Summary

Client:	ATG - AKRON LAB	SDG No.:	Q3605
Project:	PO 25101605	Sample ID:	Q3603-01
Client ID:	SHORT-HILLS-DWMS	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	10.3	OR	0.37	U	10	1	103	*	11/11/2025
Chloride	mg/L	80-120	77.1		77.1	OR	3	1	0		11/11/2025
Fluoride	mg/L	80-120	2.20		0.11	U	2	1	110		11/11/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		11/11/2025
Nitrate	mg/L	80-120	2.50		0.11	J	2.5	1	96		11/11/2025
Sulfate	mg/L	80-120	36.0		21.5		15	1	97		11/11/2025
Orthophosphate as P	mg/L	80-120	5.20		0.34	U	5	1	104		11/11/2025

Matrix Spike Summary

Client:	ATG - AKRON LAB	SDG No.:	Q3605
Project:	PO 25101605	Sample ID:	Q3603-01
Client ID:	SHORT-HILLS-DWMSD	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	10.0	OR	0.37	U	10	1	100		11/11/2025
Chloride	mg/L	80-120	77.1		77.1	OR	3	1	0	*	11/11/2025
Fluoride	mg/L	80-120	2.10		0.11	U	2	1	105		11/11/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		11/11/2025
Nitrate	mg/L	80-120	2.50		0.11	J	2.5	1	96		11/11/2025
Sulfate	mg/L	80-120	35.5		21.5		15	1	93		11/11/2025
Orthophosphate as P	mg/L	80-120	5.10		0.34	U	5	1	102		11/11/2025

Duplicate Sample Summary

Client: ATG - AKRON LAB	SDG No.: Q3605
Project: PO 25101605	Sample ID: Q3603-01
Client ID: SHORT-HILLS-DWMSD	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Nitrate	mg/L	+/-20	2.50	OR	2.50	OR	1	0		11/11/2025
Chloride	mg/L	+/-20	77.1		77.1		1	0		11/11/2025
Sulfate	mg/L	+/-20	36.0		35.5		1	1		11/11/2025
Orthophosphate as P	mg/L	+/-20	5.20		5.10		1	2		11/11/2025
Bromide	mg/L	+/-20	10.3		10.0		1	3		11/11/2025
Nitrite	mg/L	+/-20	3.10		3.00		1	3		11/11/2025
Fluoride	mg/L	+/-20	2.20		2.10		1	5		11/11/2025

Laboratory Control Sample Summary

Client: ATG - AKRON LAB

SDG No.: Q3605

Project: PO 25101605

Run No.: LB137853

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137853BSW							
Bromide	mg/L	10	10.4		104	1	90-110	11/11/2025
Chloride	mg/L	3	3.10		103	1	90-110	11/11/2025
Fluoride	mg/L	2	2.10		105	1	90-110	11/11/2025
Nitrite	mg/L	3	3.10		103	1	90-110	11/11/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	11/11/2025
Sulfate	mg/L	15	15.4		103	1	90-110	11/11/2025
Orthophosphate as P	mg/L	5	5.20		104	1	90-110	11/11/2025



RAW DATA

Ident	Instrument IC-1				Analyst: RM		Method: 300.0 / 9056A		Initial v Analyst	
	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method name date time		
STD1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000 IC1-110325	11/3/2025 15:58	10 RM/IZ
STD2	0.417	0.655	0.659	2.182	0.549	0.953	3.345	IC1-110325	11/3/2025 16:22	10 RM/IZ
STD3	0.813	1.228	1.228	4.086	1.024	2.097	6.147	IC1-110325	11/3/2025 17:04	10 RM/IZ
STD4	1.014	1.491	1.496	4.984	1.245	2.506	7.444	IC1-110325	11/3/2025 17:47	10 RM/IZ
STD5	1.966	2.918	2.907	9.724	2.426	5.166	14.580	IC1-110325	11/3/2025 18:08	10 RM/IZ
STD6	3.912	5.914	5.907	19.694	4.918	9.286	29.234	IC1-110325	11/3/2025 18:30	10 RM/IZ
STD7	5.078	7.595	7.603	25.330	6.339	12.992	37.751	IC1-110325	11/3/2025 18:51	10 RM/IZ
ICV	1.960	2.885	2.908	9.698	2.364	5.176	14.547	IC1-110325	11/3/2025 19:13	10 RM/IZ
ICB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/3/2025 19:34	10 RM/IZ
CCV	2.085	3.111	3.066	10.322	2.561	5.003	15.305	IC1-110325	11/11/2025 9:12	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/11/2025 9:33	10 RM/IZ
LB137853BLW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/11/2025 9:55	10 RM/IZ
LB137853BSW	2.089	3.128	3.087	10.395	2.576	5.208	15.404	IC1-110325	11/11/2025 10:16	10 RM/IZ
Q3603-01	0.093	77.068	0.000	0.000	0.106	0.000	21.514	IC1-110325	11/11/2025 10:38	10 RM/IZ
Q3603-01MS	2.159	77.121	3.065	10.290	2.533	5.238	35.952	IC1-110325	11/11/2025 10:59	10 RM/IZ
Q3603-01MSD	2.062	77.073	2.977	9.999	2.453	5.063	35.468	IC1-110325	11/11/2025 11:21	10 RM/IZ
Q3605-01	2.094	46.541	0.000	0.000	0.000	2.847	100.232	IC1-110325	11/11/2025 12:45	10 RM/IZ
CCV	2.102	3.214	3.121	10.455	2.509	4.719	15.308	IC1-110325	11/11/2025 13:28	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/11/2025 13:49	10 RM/IZ

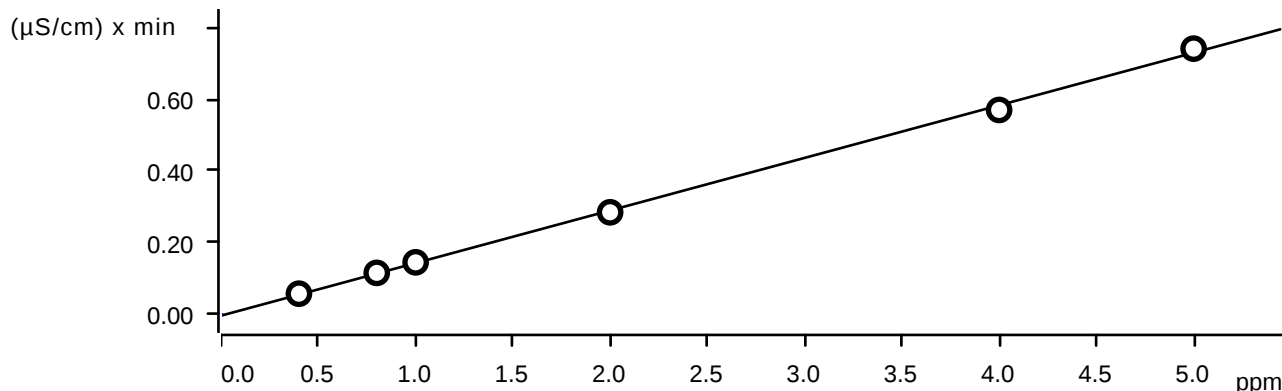
Clear table

Instrument ID: IC-2 Analyst : IZ Method: 300.0 / 9056A											
ident	concentra tion F-	concentratio n CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time	Initial wt/ Final	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	IC1-110325	11/3/2025 15:58	10	RM/IZ
STD2	0.4170	0.6550	0.6590	2.1820	0.5490	0.9530	3.3450	IC1-110325	11/3/2025 16:22	10	RM/IZ
STD3	0.8130	1.2280	1.2280	4.0860	1.0240	2.0970	6.1470	IC1-110325	11/3/2025 17:04	10	RM/IZ
STD4	1.0140	1.4910	1.4960	4.9840	1.2450	2.5060	7.4440	IC1-110325	11/3/2025 17:47	10	RM/IZ
STD5	1.9660	2.9180	2.9070	9.7240	2.4260	5.1660	14.5800	IC1-110325	11/3/2025 18:08	10	RM/IZ
STD6	3.9120	5.9140	5.9070	19.6940	4.9180	9.2860	29.2340	IC1-110325	11/3/2025 18:30	10	RM/IZ
STD7	5.0780	7.5950	7.6030	25.3300	6.3390	12.9920	37.7510	IC1-110325	11/3/2025 18:51	10	RM/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							
STD2	4.2500	9.1667	9.8333	9.1000	9.8000	-4.7000	11.5000
STD3	1.6250	2.3333	2.3333	2.1500	2.4000	4.8500	2.4500
STD4	1.4000	-0.6000	-0.2667	-0.3200	-0.4000	0.2400	-0.7467
STD5	-1.7000	-2.7333	-3.1000	-2.7600	-2.9600	3.3200	-2.8000
STD6	-2.2000	-1.4333	-1.5500	-1.5300	-1.6400	-7.1400	-2.5533
STD7	1.5600	1.2667	1.3733	1.3200	1.4240	3.9360	2.0297

Fluoride (Anions)



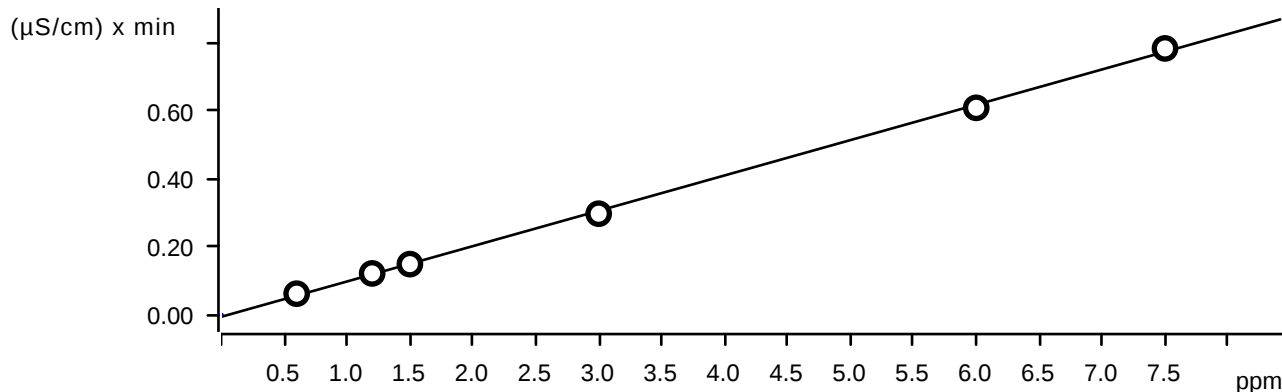
Function: $A = -3.63197E-3 + 0.0146595 \times Q$

Relative standard deviation 2.880512 %

Correlation coefficient 0.999558

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	2025-11-03 15:58:57 UTC-5	used
Standard 2	1	0.400	10.0	1.0	1.0	0.058	STD2	2025-11-03 16:22:03 UTC-5	used
Standard 3	1	0.800	10.0	1.0	1.0	0.116	STD3	2025-11-03 17:04:52 UTC-5	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2025-11-03 17:47:32 UTC-5	used
Standard 5	1	2.000	10.0	1.0	1.0	0.285	STD5	2025-11-03 18:08:59 UTC-5	used
Standard 6	1	4.000	10.0	1.0	1.0	0.570	STD6	2025-11-03 18:30:25 UTC-5	used
Standard 7	1	5.000	10.0	1.0	1.0	0.741	STD7	2025-11-03 18:51:52 UTC-5	used

Chloride (Anions)

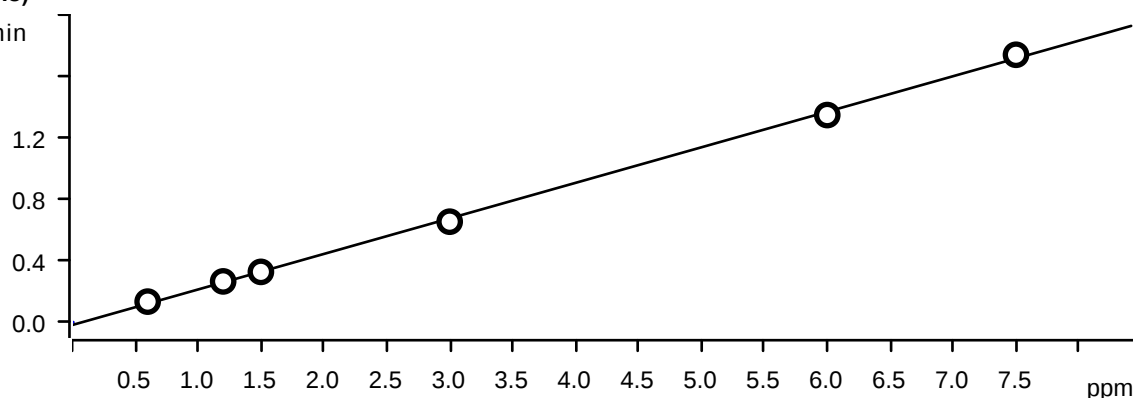


Function: $A = -7.14286E-3 + 0.0104011 \times Q$

Relative standard deviation 2.544562 %

Correlation coefficient 0.999662

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	2025-11-03 15:58:57 UTC-5	used
Standard 2	1	0.600	10.0	1.0	1.0	0.061	STD2	2025-11-03 16:22:03 UTC-5	used
Standard 3	1	1.200	10.0	1.0	1.0	0.121	STD3	2025-11-03 17:04:52 UTC-5	used
Standard 4	1	1.500	10.0	1.0	1.0	0.148	STD4	2025-11-03 17:47:32 UTC-5	used
Standard 5	1	3.000	10.0	1.0	1.0	0.296	STD5	2025-11-03 18:08:59 UTC-5	used
Standard 6	1	6.000	10.0	1.0	1.0	0.608	STD6	2025-11-03 18:30:25 UTC-5	used
Standard 7	1	7.500	10.0	1.0	1.0	0.783	STD7	2025-11-03 18:51:52 UTC-5	used

Nitrite (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0188106 + 0.0231263 \times Q$

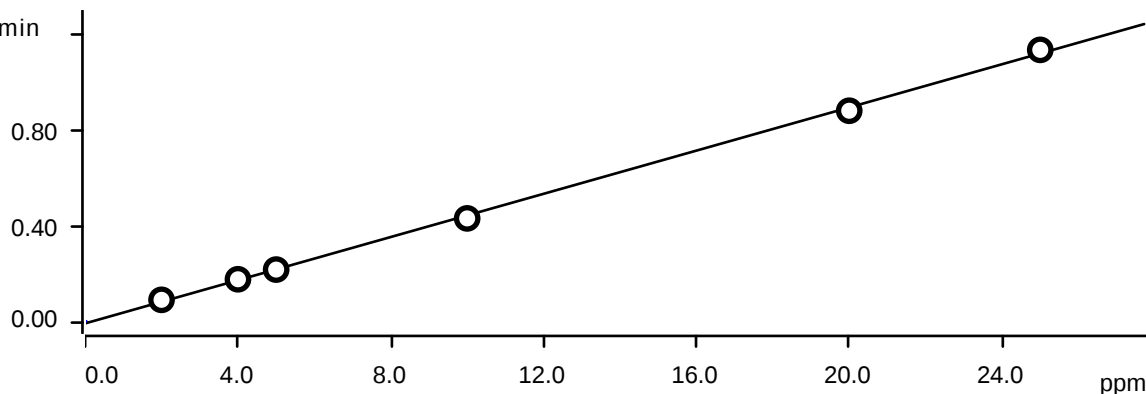
Relative standard deviation 2.785229 %

Correlation coefficient 0.999598

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	2025-11-03 15:58:57 UTC-5	used
Standard 2	1	0.600	10.0	1.0	1.0	0.134	STD2	2025-11-03 16:22:03 UTC-5	used
Standard 3	1	1.200	10.0	1.0	1.0	0.265	STD3	2025-11-03 17:04:52 UTC-5	used
Standard 4	1	1.500	10.0	1.0	1.0	0.327	STD4	2025-11-03 17:47:32 UTC-5	used
Standard 5	1	3.000	10.0	1.0	1.0	0.654	STD5	2025-11-03 18:08:59 UTC-5	used
Standard 6	1	6.000	10.0	1.0	1.0	1.347	STD6	2025-11-03 18:30:25 UTC-5	used
Standard 7	1	7.500	10.0	1.0	1.0	1.740	STD7	2025-11-03 18:51:52 UTC-5	used

Bromide (Anions)

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



Function: $A = -8.73633E-3 + 4.51609E-3 \times Q$

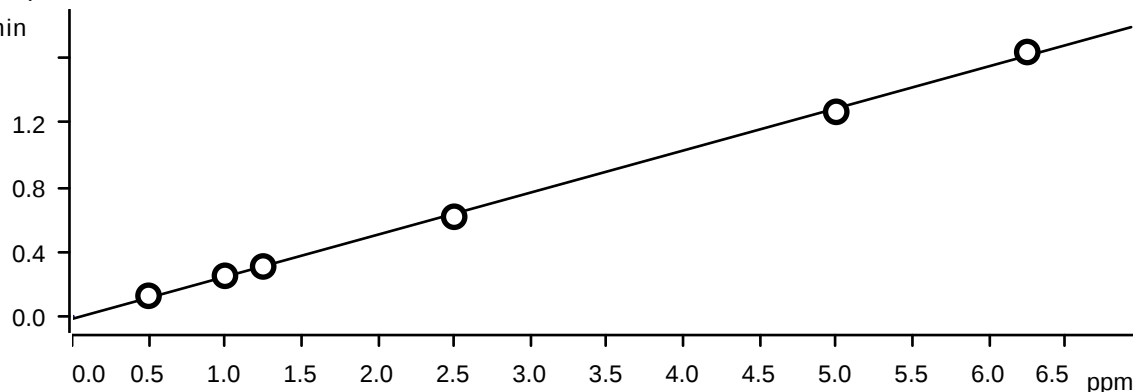
Relative standard deviation: 2.618377 %

Correlation coefficient: 0.999640

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	2025-11-03 15:58:57 UTC-5	used
Standard 2	1	2.000	10.0	1.0	1.0	0.090	STD2	2025-11-03 16:22:03 UTC-5	used
Standard 3	1	4.000	10.0	1.0	1.0	0.176	STD3	2025-11-03 17:04:52 UTC-5	used
Standard 4	1	5.000	10.0	1.0	1.0	0.216	STD4	2025-11-03 17:47:32 UTC-5	used
Standard 5	1	10.000	10.0	1.0	1.0	0.430	STD5	2025-11-03 18:08:59 UTC-5	used
Standard 6	1	20.000	10.0	1.0	1.0	0.881	STD6	2025-11-03 18:30:25 UTC-5	used
Standard 7	1	25.000	10.0	1.0	1.0	1.135	STD7	2025-11-03 18:51:52 UTC-5	used

Nitrate (Anions)

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

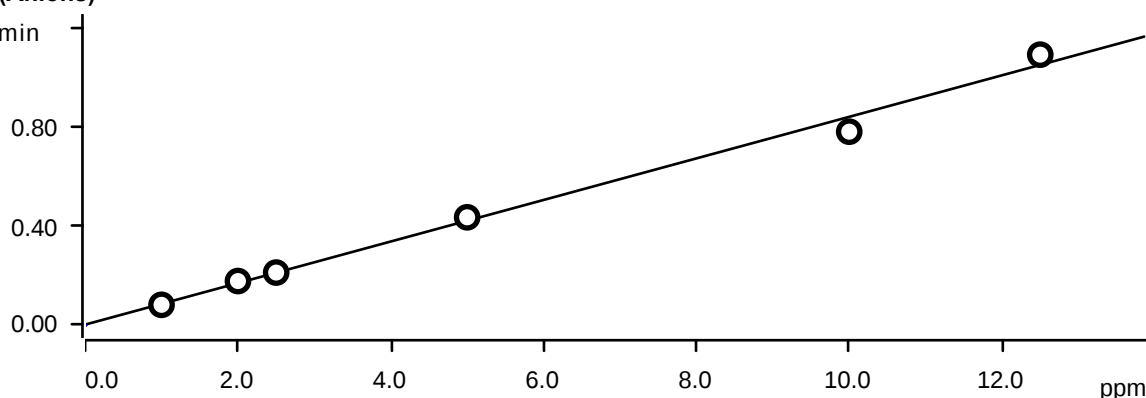


Function: $A = -0.0164240 + 0.0260850 \times Q$

Relative standard deviation: 2.824357 %

Correlation coefficient 0.999585

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	2025-11-03 15:58:57 UTC-5	used
Standard 2	1	0.500	10.0	1.0	1.0	0.127	STD2	2025-11-03 16:22:03 UTC-5	used
Standard 3	1	1.000	10.0	1.0	1.0	0.251	STD3	2025-11-03 17:04:52 UTC-5	used
Standard 4	1	1.250	10.0	1.0	1.0	0.308	STD4	2025-11-03 17:47:32 UTC-5	used
Standard 5	1	2.500	10.0	1.0	1.0	0.616	STD5	2025-11-03 18:08:59 UTC-5	used
Standard 6	1	5.000	10.0	1.0	1.0	1.266	STD6	2025-11-03 18:30:25 UTC-5	used
Standard 7	1	6.250	10.0	1.0	1.0	1.637	STD7	2025-11-03 18:51:52 UTC-5	used

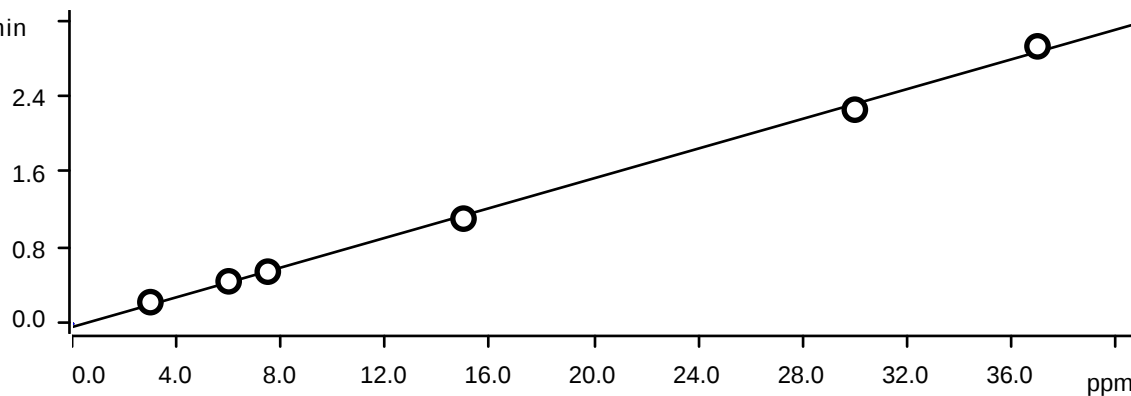
Phosphate (Anions) $(\mu\text{S/cm}) \times \text{min}$ Function: $A = 1.95294E-3 + 8.36815E-3 \times Q$

Relative standard deviation 8.053642 %

Correlation coefficient 0.996454

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	2025-11-03 15:58:57 UTC-5	used
Standard 2	1	1.000	10.0	1.0	1.0	0.082	STD2	2025-11-03 16:22:03 UTC-5	used
Standard 3	1	2.000	10.0	1.0	1.0	0.177	STD3	2025-11-03 17:04:52 UTC-5	used
Standard 4	1	2.500	10.0	1.0	1.0	0.212	STD4	2025-11-03 17:47:32 UTC-5	used
Standard 5	1	5.000	10.0	1.0	1.0	0.434	STD5	2025-11-03 18:08:59 UTC-5	used
Standard 6	1	10.000	10.0	1.0	1.0	0.779	STD6	2025-11-03 18:30:25 UTC-5	used
Standard 7	1	12.500	10.0	1.0	1.0	1.089	STD7	2025-11-03 18:51:52 UTC-5	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0341972 + 7.83080E-3 \times Q$

Relative standard deviation 3.795793 %

Correlation coefficient 0.999249

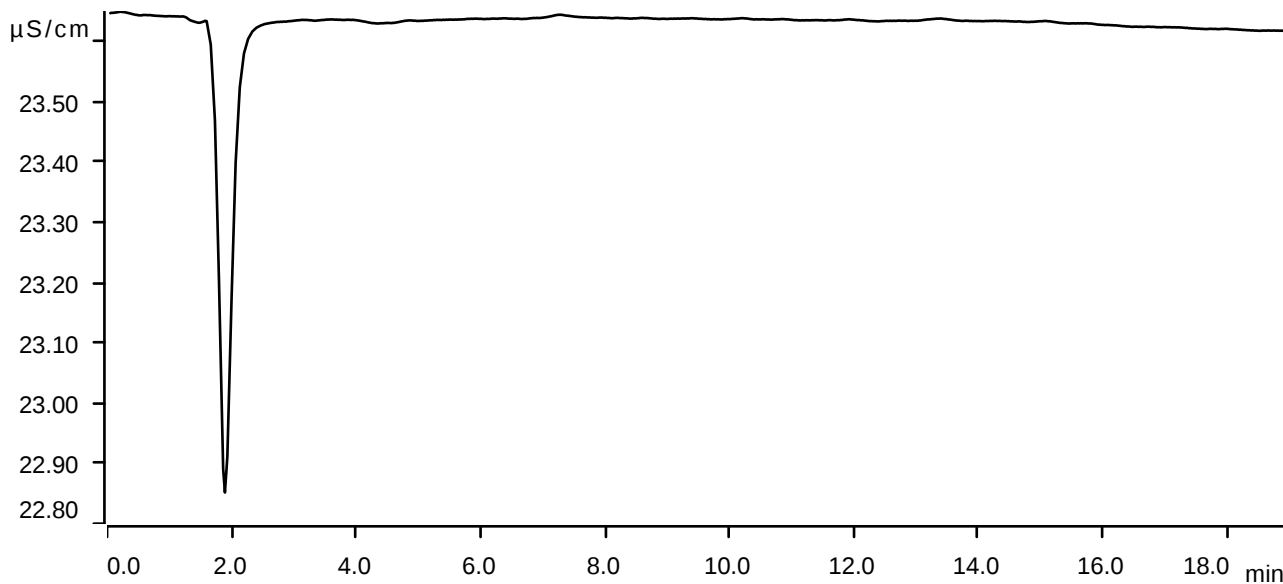
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-11-03 15:58:57 UTC-5	used
Standard 2	1	3.000	10.0	1.0	1.0	0.228	STD2	2025-11-03 16:22:03 UTC-5	used
Standard 3	1	6.000	10.0	1.0	1.0	0.447	STD3	2025-11-03 17:04:52 UTC-5	used
Standard 4	1	7.500	10.0	1.0	1.0	0.549	STD4	2025-11-03 17:47:32 UTC-5	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2025-11-03 18:08:59 UTC-5	used
Standard 6	1	30.000	10.0	1.0	1.0	2.255	STD6	2025-11-03 18:30:25 UTC-5	used
Standard 7	1	37.000	10.0	1.0	1.0	2.922	STD7	2025-11-03 18:51:52 UTC-5	used

Sample data

Ident STD1
Sample type Standard 1
Determination start 2025-11-03 15:58:57 UTC-5
Method IC1-110325
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 12.44 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

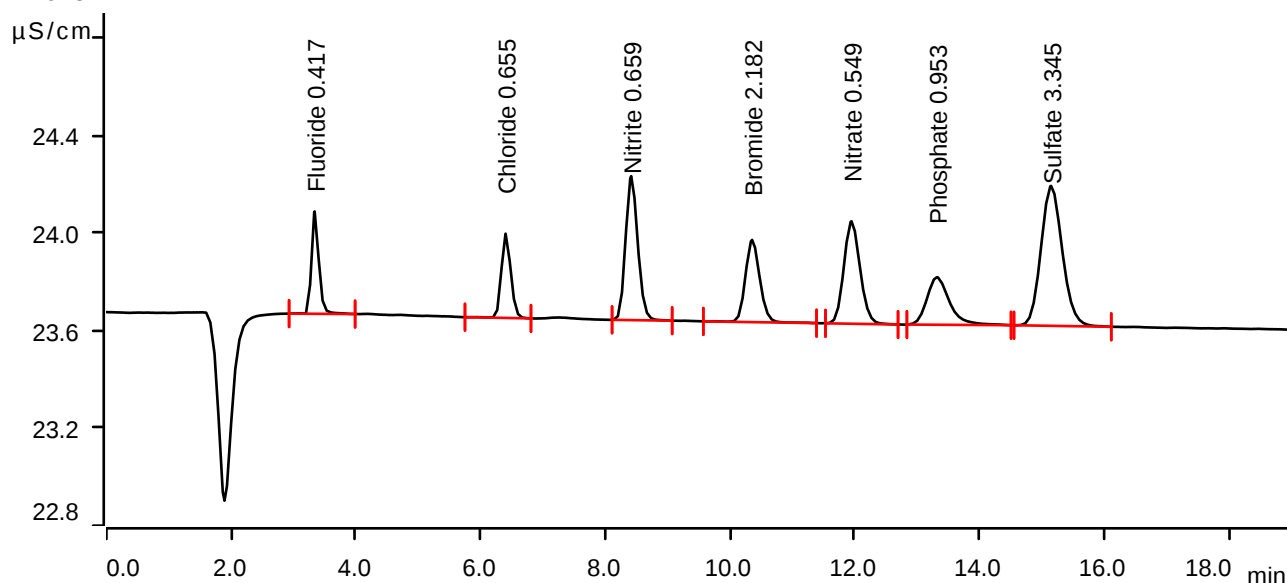
Sample data

Ident STD2
Sample type Standard 2
Determination start 2025-11-03 16:22:03 UTC-5
Method IC1-110325
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 12.27 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	3.340	0.0576	0.420	0.417	Fluoride
2	6.402	0.0609	0.345	0.655	Chloride
3	8.415	0.1336	0.590	0.659	Nitrite
4	10.353	0.0898	0.337	2.182	Bromide
5	11.947	0.1268	0.420	0.549	Nitrate
6	13.317	0.0817	0.195	0.953	Phosphate
7	15.147	0.2277	0.574	3.345	Sulfate

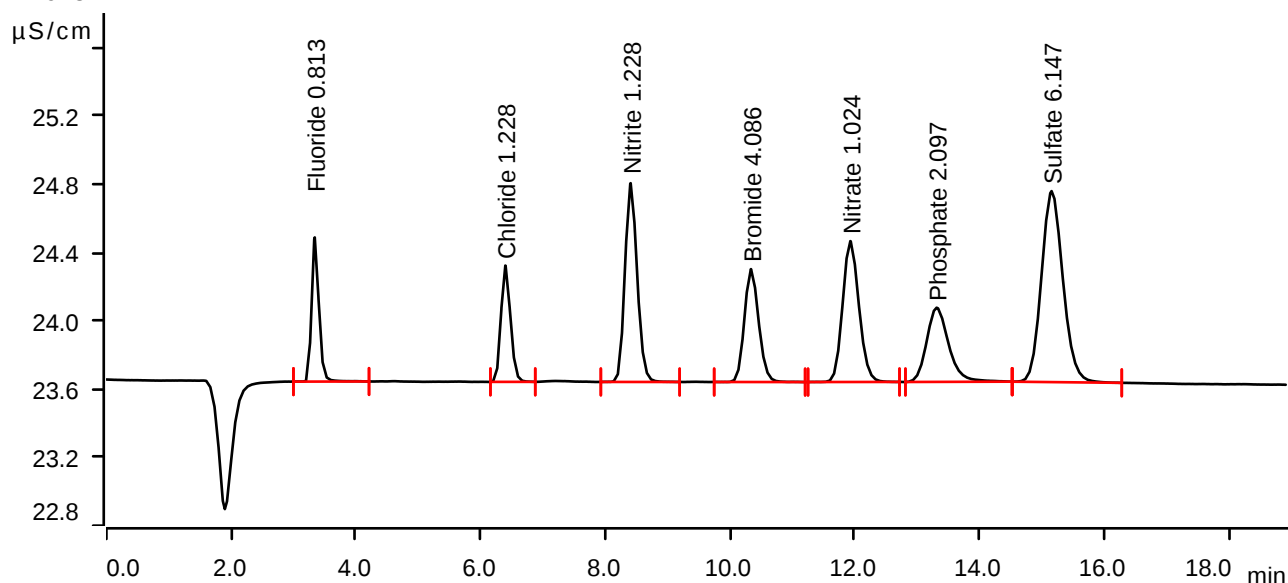
Sample data

Ident STD3
Sample type Standard 3
Determination start 2025-11-03 17:04:52 UTC-5
Method IC1-110325
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 12.27 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	3.342	0.1156	0.844	0.813	Fluoride
2	6.397	0.1206	0.681	1.228	Chloride
3	8.407	0.2651	1.164	1.228	Nitrite
4	10.337	0.1758	0.661	4.086	Bromide
5	11.928	0.2506	0.825	1.024	Nitrate
6	13.312	0.1774	0.435	2.097	Phosphate
7	15.155	0.4471	1.119	6.147	Sulfate

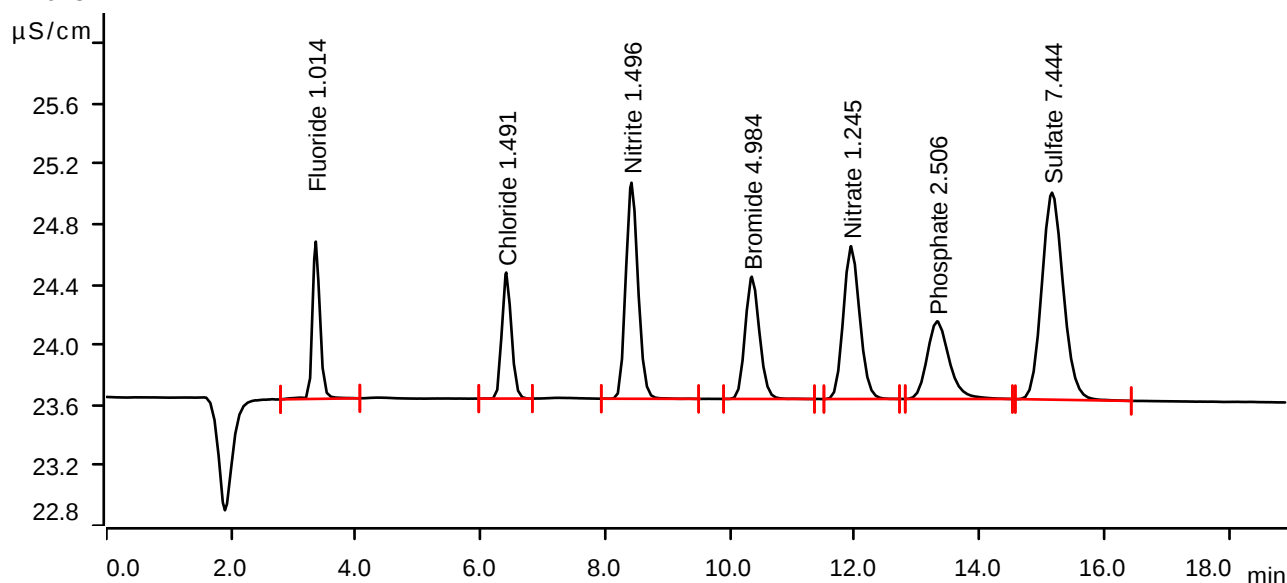
Sample data

Ident STD4
Sample type Standard 4
Determination start 2025-11-03 17:47:32 UTC-5
Method IC1-110325
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 12.44 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	3.358	0.1450	1.044	1.014	Fluoride
2	6.412	0.1479	0.837	1.491	Chloride
3	8.420	0.3271	1.434	1.496	Nitrite
4	10.348	0.2164	0.811	4.984	Bromide
5	11.940	0.3084	1.014	1.245	Nitrate
6	13.320	0.2117	0.516	2.506	Phosphate
7	15.162	0.5487	1.374	7.444	Sulfate

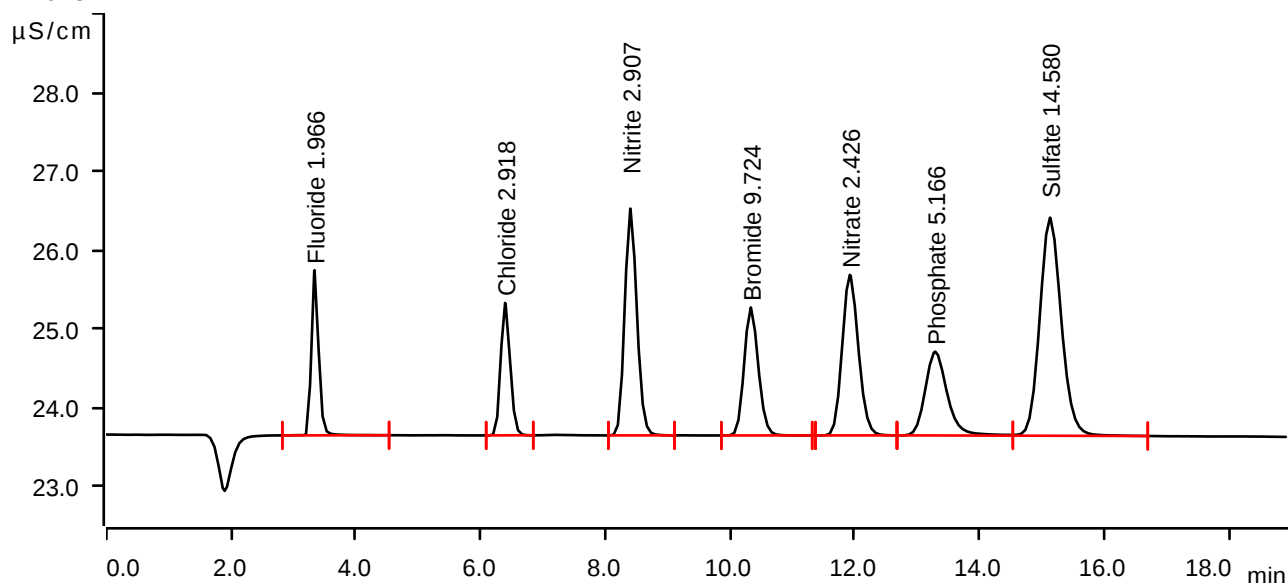
Sample data

Ident STD5
Sample type Standard 5
Determination start 2025-11-03 18:08:59 UTC-5
Method IC1-110325
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 12.44 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	3.338	0.2845	2.095	1.966	Fluoride
2	6.393	0.2963	1.681	2.918	Chloride
3	8.403	0.6535	2.878	2.907	Nitrite
4	10.332	0.4304	1.624	9.724	Bromide
5	11.920	0.6163	2.038	2.426	Nitrate
6	13.290	0.4342	1.063	5.166	Phosphate
7	15.128	1.1075	2.767	14.580	Sulfate

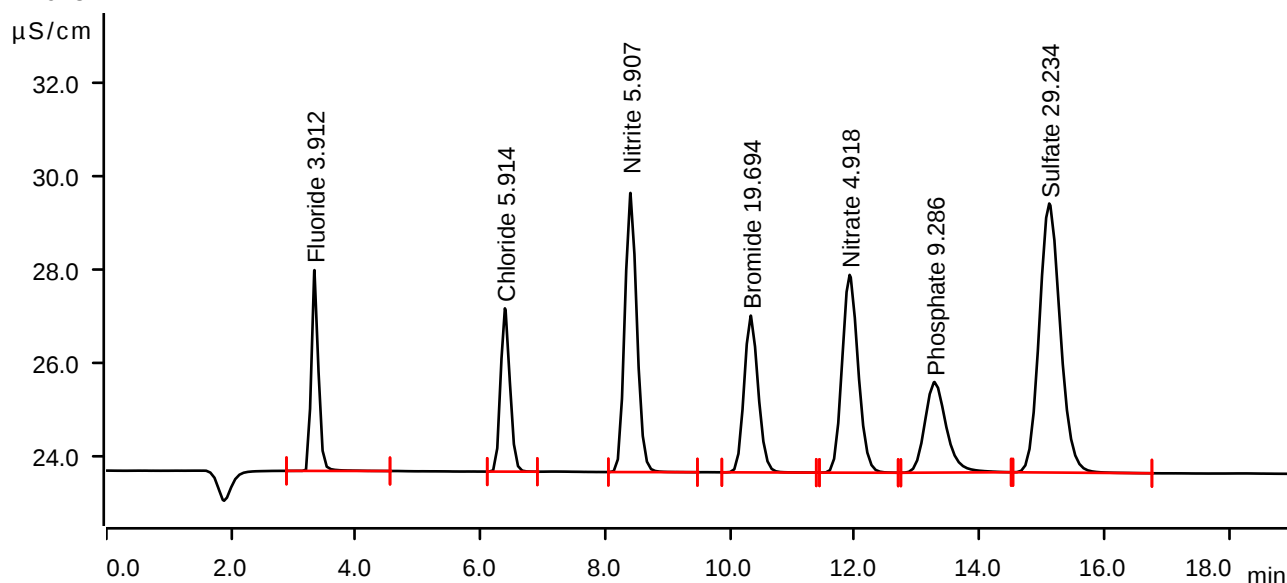
Sample data

Ident STD6
Sample type Standard 6
Determination start 2025-11-03 18:30:25 UTC-5
Method IC1-110325
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 12.50 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	3.337	0.5698	4.312	3.912	Fluoride
2	6.390	0.6080	3.506	5.914	Chloride
3	8.403	1.3473	5.995	5.907	Nitrite
4	10.330	0.8806	3.367	19.694	Bromide
5	11.917	1.2665	4.248	4.918	Nitrate
6	13.278	0.7790	1.945	9.286	Phosphate
7	15.117	2.2550	5.777	29.234	Sulfate

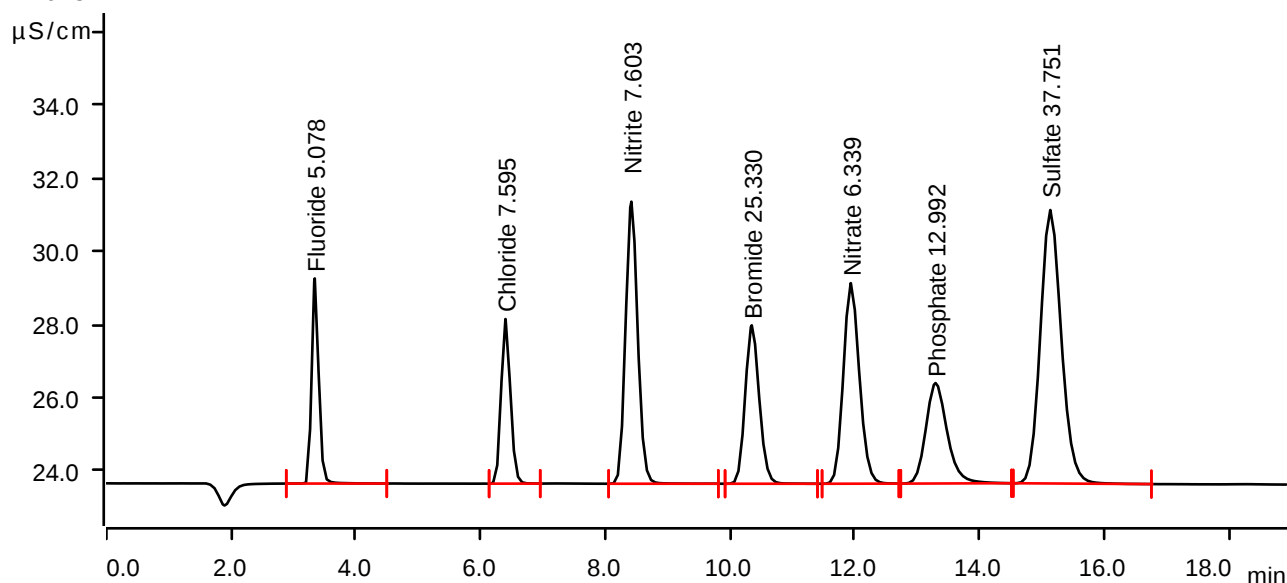
Sample data

Ident STD7
Sample type Standard 7
Determination start 2025-11-03 18:51:52 UTC-5
Method IC1-110325
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 12.50 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	3.342	0.7408	5.606	5.078	Fluoride
2	6.398	0.7828	4.499	7.595	Chloride
3	8.418	1.7395	7.709	7.603	Nitrite
4	10.348	1.1352	4.330	25.330	Bromide
5	11.937	1.6370	5.482	6.339	Nitrate
6	13.295	1.0891	2.746	12.992	Phosphate
7	15.133	2.9220	7.473	37.751	Sulfate

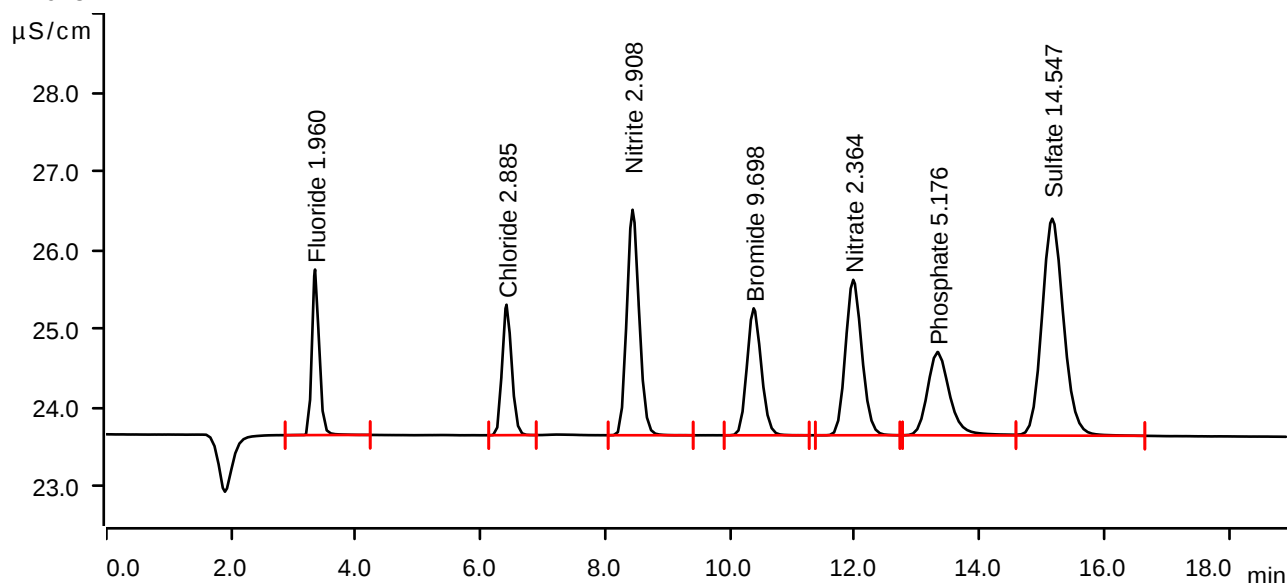
Sample data

Ident ICV
Sample type Check standard 1
Determination start 2025-11-03 19:13:20 UTC-5
Method IC1-110325
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 12.39 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



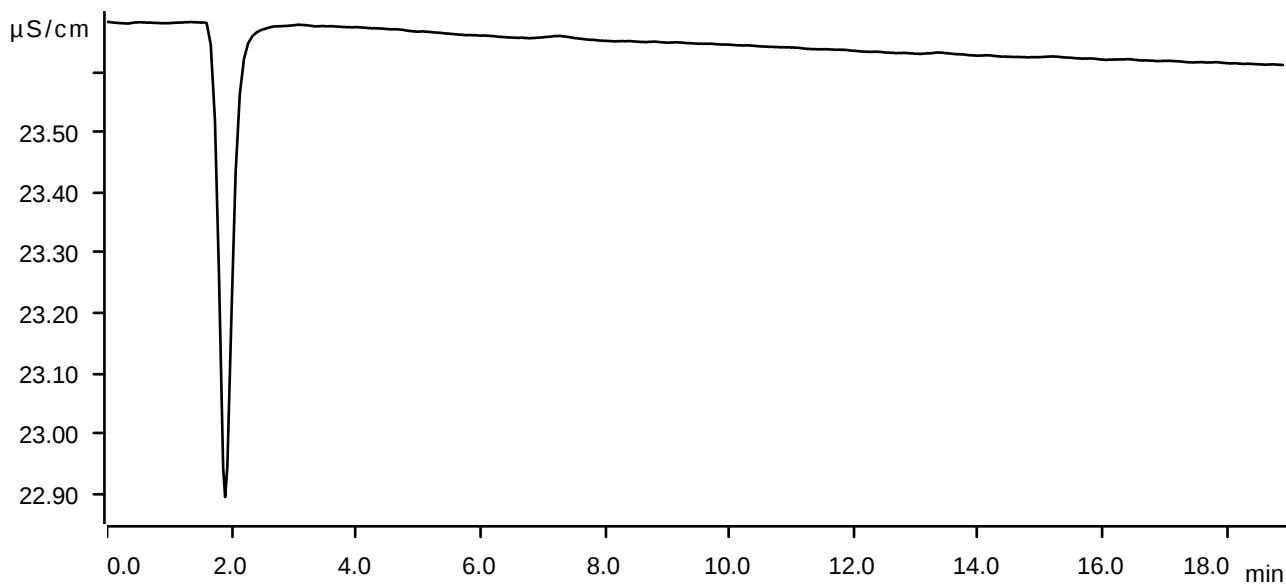
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.347	0.2837	2.100	1.960	Fluoride
2	6.417	0.2929	1.656	2.885	Chloride
3	8.437	0.6536	2.862	2.908	Nitrite
4	10.378	0.4292	1.611	9.698	Bromide
5	11.975	0.6003	1.973	2.364	Nitrate
6	13.327	0.4351	1.058	5.176	Phosphate
7	15.165	1.1050	2.753	14.547	Sulfate

Sample data

Ident ICB
Sample type Sample
Determination start 2025-11-03 19:34:48 UTC-5
Method IC1-110325
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 12.39 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

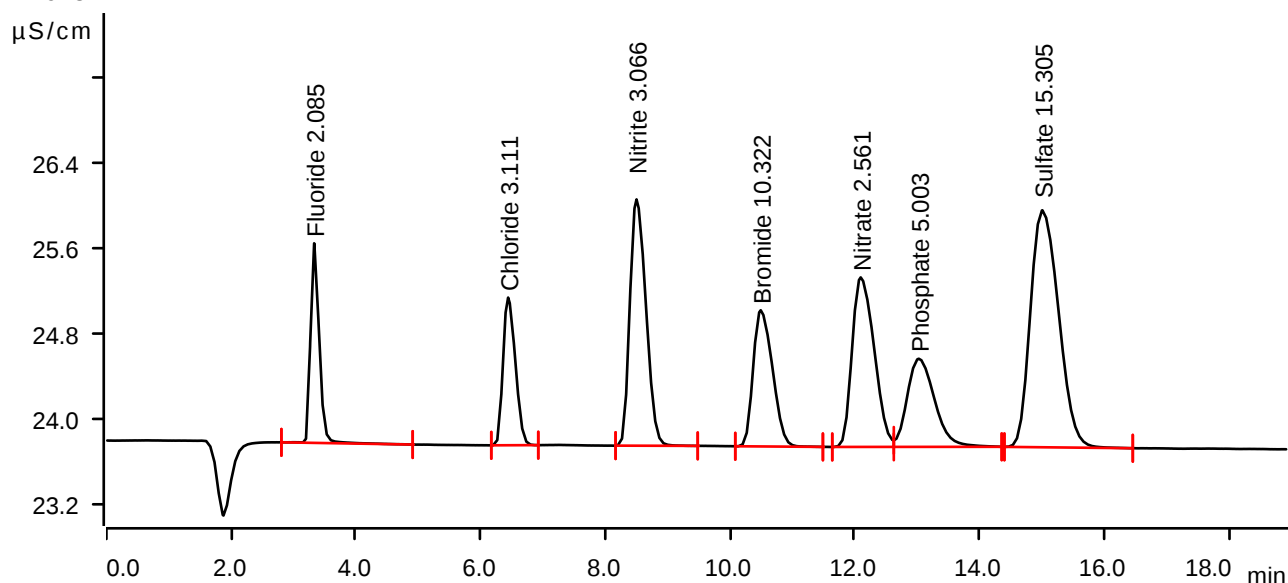
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-11-11 09:12:18 UTC-5
Method IC1-110325
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 12.78 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



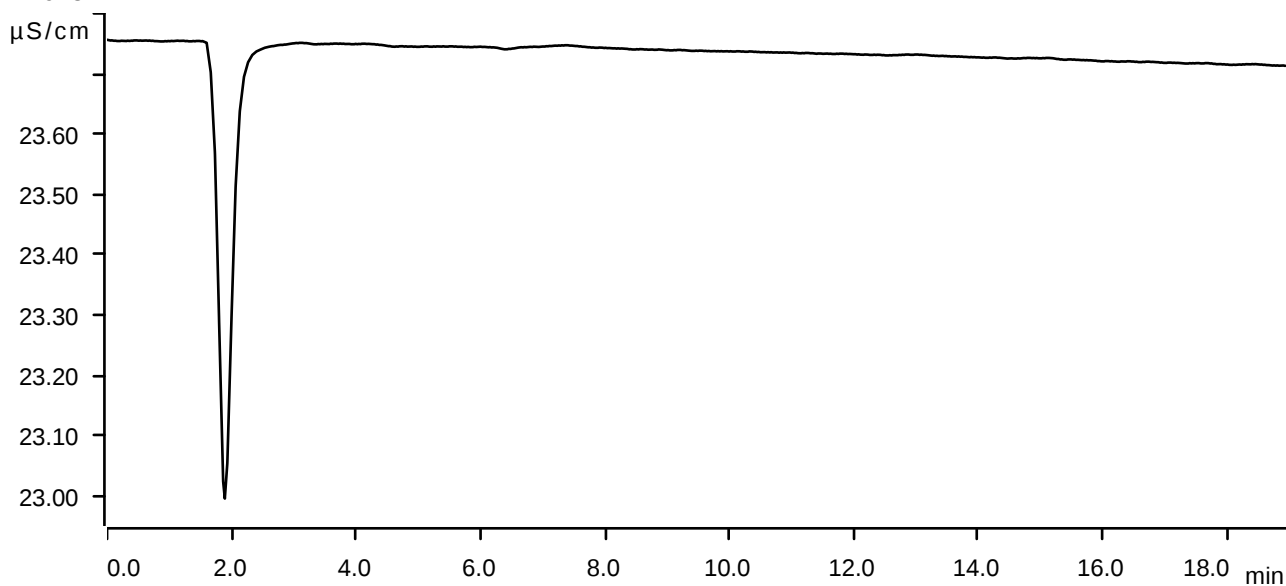
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.332	0.3020	1.870	2.085	Fluoride
2	6.442	0.3164	1.384	3.111	Chloride
3	8.500	0.6901	2.308	3.066	Nitrite
4	10.492	0.4574	1.276	10.322	Bromide
5	12.095	0.6517	1.589	2.561	Nitrate
6	13.025	0.4207	0.827	5.003	Phosphate
7	15.008	1.1643	2.221	15.305	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-11-11 09:33:48 UTC-5
Method IC1-110325
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 12.73 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

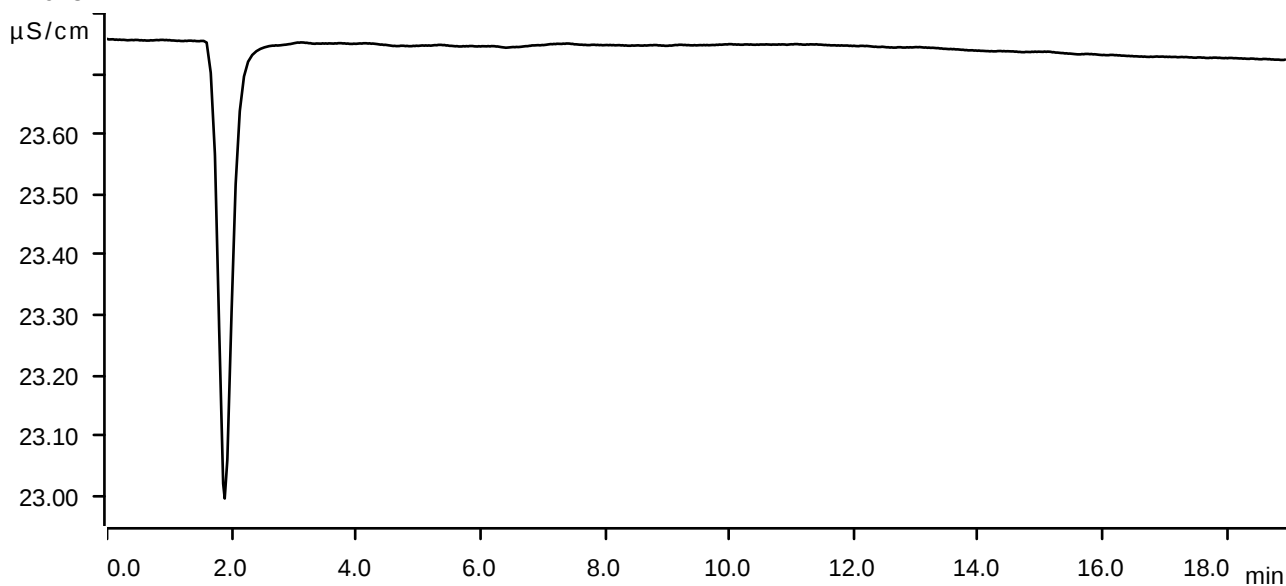
Sample data

Ident LB137853BLW
Sample type Sample
Determination start 2025-11-11 09:55:19 UTC-5
Method IC1-110325
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 12.67 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



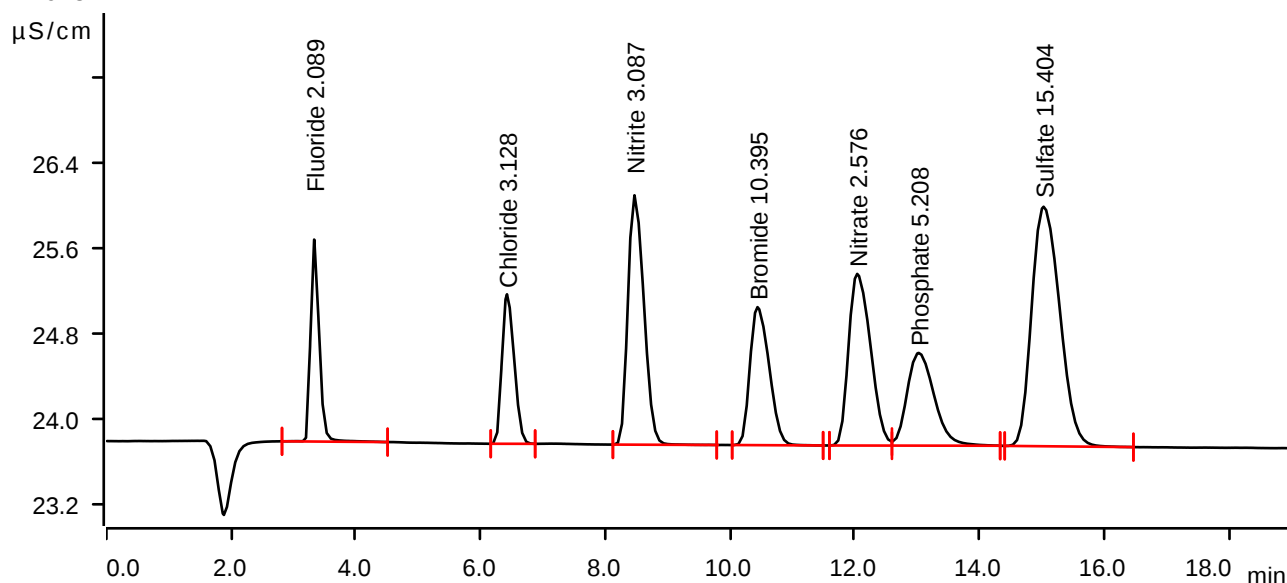
Sample data

Ident LB137853BSW
Sample type Check standard 1
Determination start 2025-11-11 10:16:50 UTC-5
Method IC1-110325
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 12.61 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	3.332	0.3026	1.892	2.089	Fluoride
2	6.423	0.3182	1.401	3.128	Chloride
3	8.468	0.6950	2.337	3.087	Nitrite
4	10.440	0.4607	1.294	10.395	Bromide
5	12.038	0.6556	1.609	2.576	Nitrate
6	13.023	0.4378	0.869	5.208	Phosphate
7	15.027	1.1721	2.245	15.404	Sulfate

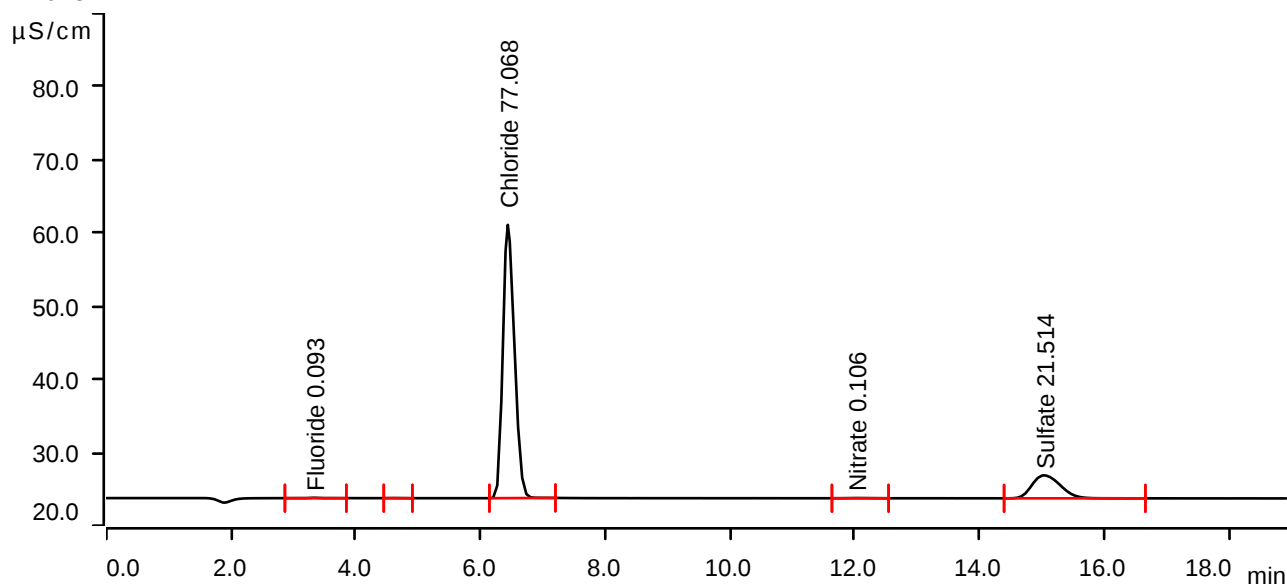
Sample data

Ident Q3603-01
Sample type Sample
Determination start 2025-11-11 10:38:22 UTC-5
Method IC1-110325
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 12.73 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	3.330	0.0100	0.053	0.093	Fluoride
2	4.623	0.0030	0.016	invalid	
3	6.437	8.0088	37.347	77.068	Chloride
4	12.052	0.0112	0.027	0.106	Nitrate
5	15.033	1.6505	3.139	21.514	Sulfate

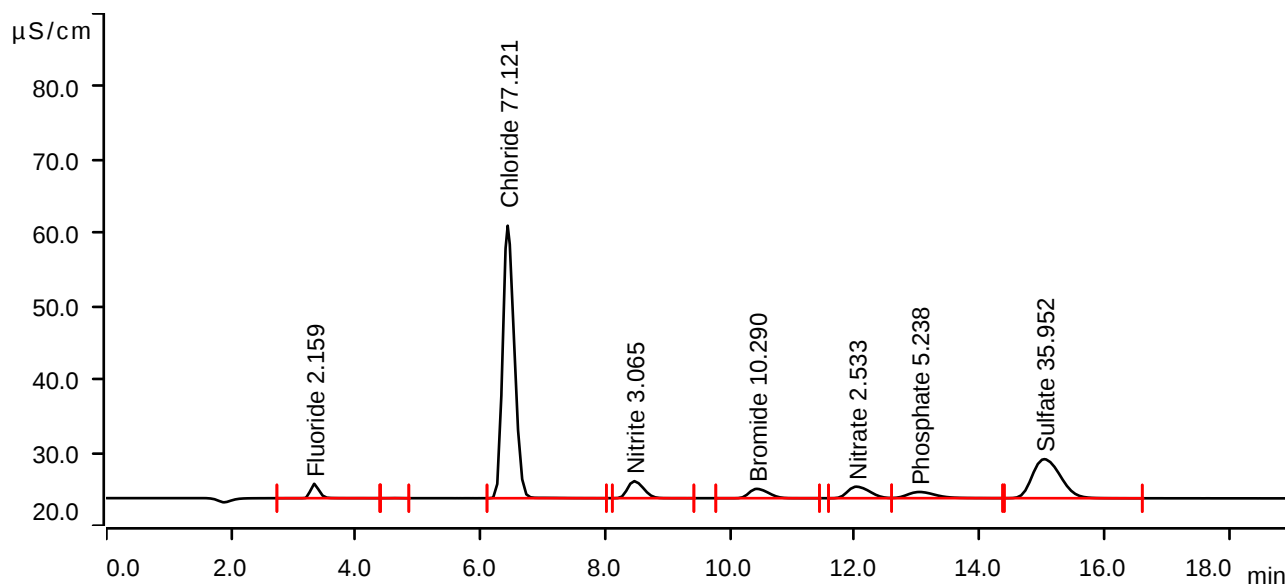
Sample data

Ident Q3603-01MS
Sample type Sample
Determination start 2025-11-11 10:59:55 UTC-5
Method IC1-110325
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 12.61 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	3.332	0.3129	1.963	2.159	Fluoride
2	4.615	0.0030	0.016	invalid	
3	6.435	8.0142	37.242	77.121	Chloride
4	8.463	0.6900	2.321	3.065	Nitrite
5	10.430	0.4560	1.277	10.290	Bromide
6	12.025	0.6444	1.576	2.533	Nitrate
7	13.035	0.4403	0.848	5.238	Phosphate
8	15.038	2.7811	5.332	35.952	Sulfate

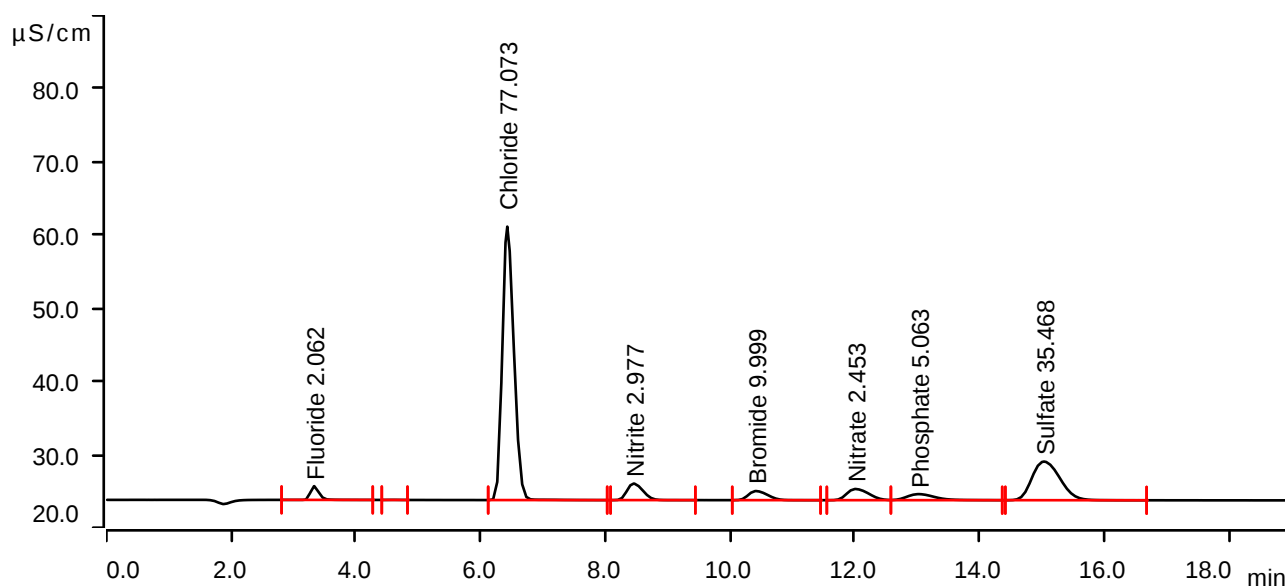
Sample data

Ident Q3603-01MSD
Sample type Sample
Determination start 2025-11-11 11:21:29 UTC-5
Method IC1-110325
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 12.56 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	3.330	0.2986	1.877	2.062	Fluoride
2	4.607	0.0029	0.016	invalid	
3	6.428	8.0093	37.369	77.073	Chloride
4	8.455	0.6697	2.258	2.977	Nitrite
5	10.417	0.4428	1.243	9.999	Bromide
6	12.013	0.6234	1.529	2.453	Nitrate
7	13.027	0.4256	0.827	5.063	Phosphate
8	15.033	2.7433	5.281	35.468	Sulfate

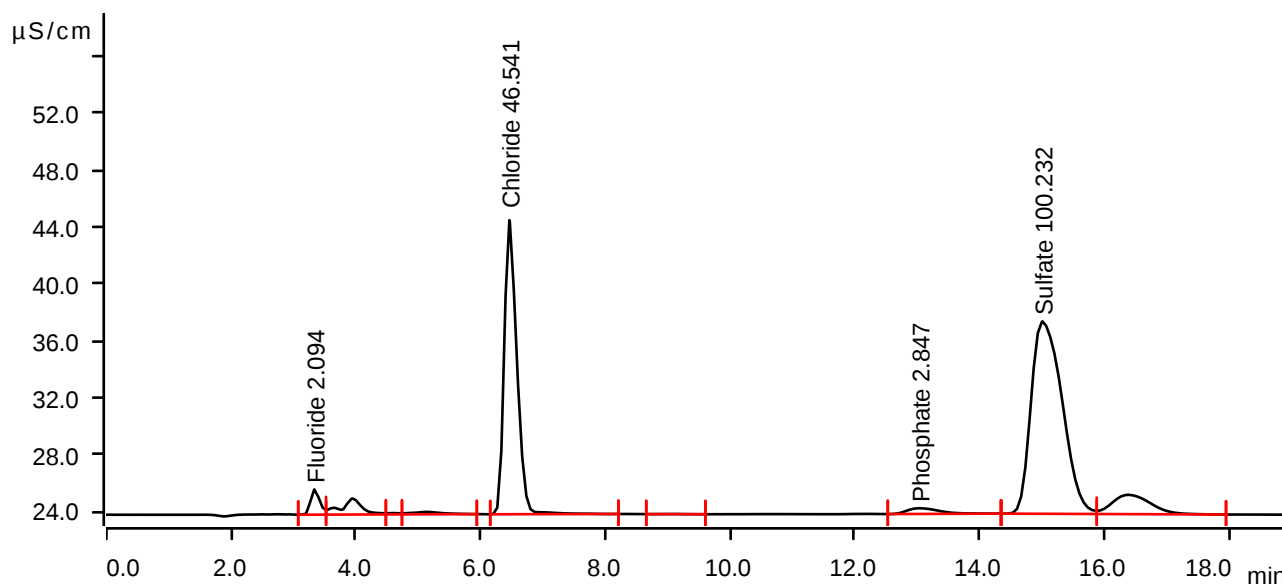
Sample data

Ident Q3605-01
Sample type Sample
Determination start 2025-11-11 12:45:07 UTC-5
Method IC1-110325
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 12.61 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	3.335	0.3033	1.769	2.094	Fluoride
2	3.948	0.4284	1.128	invalid	
3	4.605	0.0216	0.092	invalid	
4	5.133	0.0935	0.168	invalid	
5	6.462	4.8337	20.671	46.541	Chloride
6	9.080	0.0047	0.011	invalid	
7	13.040	0.2402	0.399	2.847	Phosphate
8	15.008	7.8148	13.520	100.232	Sulfate
9	16.383	0.9779	1.355	invalid	

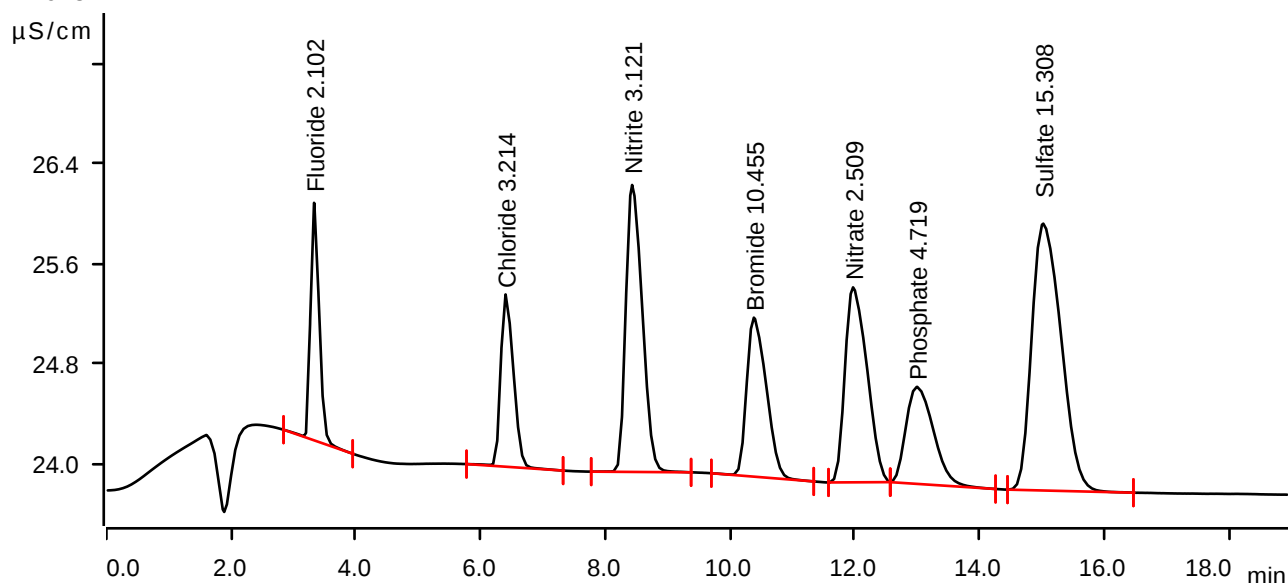
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-11-11 13:28:04 UTC-5
Method IC1-110325
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 12.61 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



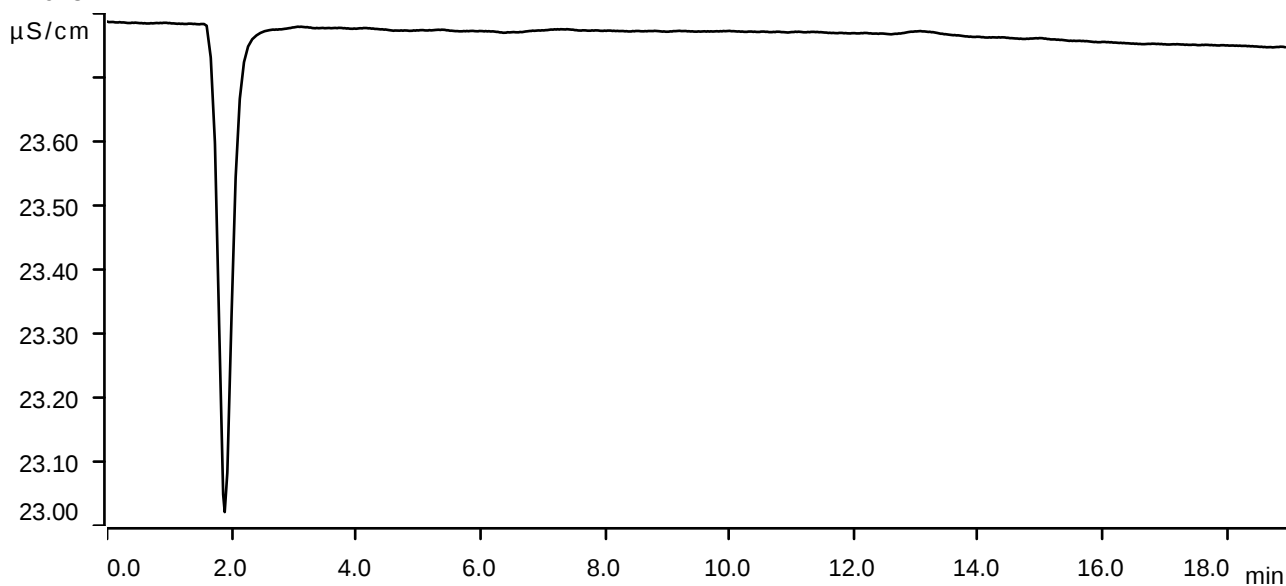
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.330	0.3045	1.901	2.102	Fluoride
2	6.402	0.3271	1.379	3.214	Chloride
3	8.430	0.7030	2.297	3.121	Nitrite
4	10.382	0.4634	1.273	10.455	Bromide
5	11.972	0.6381	1.561	2.509	Nitrate
6	12.993	0.3969	0.777	4.719	Phosphate
7	15.022	1.1646	2.136	15.308	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-11-11 13:49:34 UTC-5
Method IC1-110325
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 12.56 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137853

Review By	rubina	Review On	11/12/2025 1:04:03 PM
Supervise By	Iwona	Supervise On	11/12/2025 1:05:08 PM
SubDirectory	LB137853	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP115441,WP115442,WP115443,WP115444,WP115445,WP115446,WP115447		
ICV Standard	WP115448		
CCV Standard	WP115610		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115611		
Chk Standard	WP115449,WP115450		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	11/03/25 15:58	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	11/03/25 16:22	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	11/03/25 17:04	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	11/03/25 17:47		RM/IZ	OK
5	STD5	STD5	CAL5	11/03/25 18:08		RM/IZ	OK
6	STD6	STD6	CAL6	11/03/25 18:30		RM/IZ	OK
7	STD7	STD7	CAL7	11/03/25 18:51		RM/IZ	OK
8	ICV1	ICV1	ICV	11/03/25 19:13		RM/IZ	OK
9	ICB1	ICB1	ICB	11/03/25 19:34		RM/IZ	OK
10	CCV1	CCV1	CCV	11/11/25 09:12		RM/IZ	OK
11	CCB1	CCB1	CCB	11/11/25 09:33		RM/IZ	OK
12	LB137853BLW	LB137853BLW	MB	11/11/25 09:55		RM/IZ	OK
13	LB137853BSW	LB137853BSW	LCS	11/11/25 10:16		RM/IZ	OK
14	Q3603-01	SHORT-HILLS-DW	SAM	11/11/25 10:38		RM/IZ	OK
15	Q3603-01MS	SHORT-HILLS-DWMS	MS	11/11/25 10:59	9.5ml of sample, 0.5mL W3096	RM/IZ	OK
16	Q3603-01MSD	SHORT-HILLS-DWMS	MSD	11/11/25 11:21	9.5ml of sample, 0.5mL W3096	RM/IZ	OK
17	Q3605-01	25101605-001C	SAM	11/11/25 12:45		RM/IZ	OK
18	CCV2	CCV2	CCV	11/11/25 13:28		RM/IZ	OK

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137853

Review By	rubina	Review On	11/12/2025 1:04:03 PM
Supervise By	Iwona	Supervise On	11/12/2025 1:05:08 PM
SubDirectory	LB137853	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP115441,WP115442,WP115443,WP115444,WP115445,WP115446,WP115447		
ICV Standard	WP115448		
CCV Standard	WP115610		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115611		
Chk Standard	WP115449,WP115450		

19	CCB2	CCB2	CCB	11/11/25 13:49		RM/IZ	OK
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SHIPPING DOCUMENTS



For Alliance Technical Group, LLC-Akron use only

[illegible]

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312