

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:	Q3737	OrderDate:	11/26/2025 4:01:00 PM
Client:	G Environmental	Project:	Buff
Contact:	Gary Landis	Location:	--Select--,A11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3737-01	MW3	WATER			11/25/25 09:30			11/26/25
			Alkalinity	SM2320 B			12/03/25 10:44	
			Anions Group1	300.0			12/02/25 12:31	
Q3737-01DL	MW3DL	WATER			11/25/25 09:30			11/26/25
			Anions Group1	300.0			12/02/25 14:05	
Q3737-02	MW4	WATER			11/25/25 10:05			11/26/25
			Alkalinity	SM2320 B			12/03/25 10:53	
			Anions Group1	300.0			12/02/25 12:58	
Q3737-02DL	MW4DL	WATER			11/25/25 10:05			11/26/25
			Anions Group1	300.0			12/02/25 14:26	



SAMPLE DATA

Report of Analysis

Client: G Environmental
Project: Buff
Client Sample ID: MW3
Lab Sample ID: Q3737-01

Date Collected: 11/25/25 09:30
Date Received: 11/26/25
SDG No.: Q3737
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	268		1	1.00	2.00	mg/L		12/03/25 10:44	SM 2320 B-21
Sulfate	128	OR	1	0.46	3.00	mg/L		12/02/25 12:31	300.0

Comments: The alkalinity to pH 4.40=268 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

Report of Analysis

Client: G Environmental
Project: Buff
Client Sample ID: MW3DL
Lab Sample ID: Q3737-01DL

Date Collected: 11/25/25 09:30
Date Received: 11/26/25
SDG No.: Q3737
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	110	D	10	4.60	30.0	mg/L		12/02/25 14:05	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

Report of Analysis

Client: G Environmental
Project: Buff
Client Sample ID: MW4
Lab Sample ID: Q3737-02

Date Collected: 11/25/25 10:05
Date Received: 11/26/25
SDG No.: Q3737
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	31.6		1	1.00	2.00	mg/L		12/03/25 10:53	SM 2320 B-21
Sulfate	1210	OR	1	0.46	3.00	mg/L		12/02/25 12:58	300.0

Comments: The alkalinity to pH 4.43=31.6 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

Report of Analysis

Client: G Environmental
Project: Buff
Client Sample ID: MW4DL
Lab Sample ID: Q3737-02DL

Date Collected: 11/25/25 10:05
Date Received: 11/26/25
SDG No.: Q3737
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	824	D	50	23.0	150	mg/L		12/02/25 14:26	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: G Environmental

SDG No.: Q3737

Project: Buff

RunNo.: LB138084

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.1	10	101	90-110	12/01/2025
Chloride	mg/L	3	3	100	90-110	12/01/2025
Fluoride	mg/L	2	2	100	90-110	12/01/2025
Nitrite	mg/L	3	3	100	90-110	12/01/2025
Nitrate	mg/L	2.5	2.5	100	90-110	12/01/2025
Sulfate	mg/L	14.9	15	99	90-110	12/01/2025
Orthophosphate as P	mg/L	5.4	5	108	90-110	12/01/2025
Sample ID: CCV1						
Bromide	mg/L	10.5	10	105	90-110	12/02/2025
Chloride	mg/L	3.1	3	103	90-110	12/02/2025
Fluoride	mg/L	2.1	2	105	90-110	12/02/2025
Nitrite	mg/L	3.1	3	103	90-110	12/02/2025
Nitrate	mg/L	2.6	2.5	104	90-110	12/02/2025
Sulfate	mg/L	15.5	15	103	90-110	12/02/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	12/02/2025
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	12/02/2025
Chloride	mg/L	3.2	3	107	90-110	12/02/2025
Fluoride	mg/L	2.1	2	105	90-110	12/02/2025
Nitrite	mg/L	3.2	3	107	90-110	12/02/2025
Nitrate	mg/L	2.6	2.5	104	90-110	12/02/2025
Sulfate	mg/L	15.5	15	103	90-110	12/02/2025
Orthophosphate as P	mg/L	5.8	5	116	90-110	12/02/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q3737

Project: Buff

RunNo.: LB138084

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	12/01/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	12/01/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	12/01/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	12/01/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	12/01/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	12/01/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	12/01/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	12/02/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	12/02/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	12/02/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	12/02/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	12/02/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	12/02/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	12/02/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	12/02/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	12/02/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	12/02/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	12/02/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	12/02/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	12/02/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	12/02/2025

Preparation Blank Summary

Client: G Environmental

SDG No.: Q3737

Project: Buff

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB138084BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	12/02/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	12/02/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	12/02/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	12/02/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	12/02/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	12/02/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	12/02/2025
Sample ID: LB138090BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	12/03/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q3737
Project:	Buff	Sample ID:	Q3737-02
Client ID:	MW4MS	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	10.9		0.40	J	10	1	105		12/02/2025
Chloride	mg/L	80-120	19.6	OR	15.8	OR	3	1	127	*	12/02/2025
Fluoride	mg/L	80-120	2.30		0.11	U	2	1	115		12/02/2025
Nitrite	mg/L	80-120	3.40		412	OR	3	1	-13620	*	12/02/2025
Nitrate	mg/L	80-120	3.80		1.20		2.5	1	104		12/02/2025
Sulfate	mg/L	80-120	1180	OR	1210	OR	15	1	-200	*	12/02/2025
Orthophosphate as P	mg/L	80-120	5.40		0.34	U	5	1	108		12/02/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q3737
Project:	Buff	Sample ID:	Q3737-02
Client ID:	MW4MSD	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	10.5		0.40	J	10	1	101		12/02/2025
Chloride	mg/L	80-120	19.5	OR	15.8	OR	3	1	123	*	12/02/2025
Fluoride	mg/L	80-120	2.30		0.11	U	2	1	115		12/02/2025
Nitrite	mg/L	80-120	3.30		412	OR	3	1	-13623	*	12/02/2025
Nitrate	mg/L	80-120	3.70		1.20		2.5	1	100		12/02/2025
Sulfate	mg/L	80-120	1160	OR	1210	OR	15	1	-333	*	12/02/2025
Orthophosphate as P	mg/L	80-120	5.70		0.34	U	5	1	114		12/02/2025

Duplicate Sample Summary

Client: G Environmental Project: Buff Client ID: MW3DUP	SDG No.: Q3737 Sample ID: Q3737-01 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	268		267		1	0		12/03/2025

Duplicate Sample Summary

Client: G Environmental	SDG No.: Q3737
Project: Buff	Sample ID: Q3737-02
Client ID: MW4MSD	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
Fluoride	mg/L	+/-20	2.30		2.30		1	0		12/02/2025
Chloride	mg/L	+/-20	19.6	OR	19.5	OR	1	1		12/02/2025
Sulfate	mg/L	+/-20	1180	OR	1160	OR	1	2		12/02/2025
Nitrate	mg/L	+/-20	3.80		3.70		1	3		12/02/2025
Nitrite	mg/L	+/-20	3.40		3.30		1	3		12/02/2025
Bromide	mg/L	+/-20	10.9		10.5		1	4		12/02/2025
Orthophosphate as P	mg/L	+/-20	5.40		5.70		1	5		12/02/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q3737

Project: Buff

Run No.: LB138084

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB138084BSW							
Bromide	mg/L	10	10.7		107	1	90-110	12/02/2025
Chloride	mg/L	3	3.20		107	1	90-110	12/02/2025
Fluoride	mg/L	2	2.10		105	1	90-110	12/02/2025
Nitrite	mg/L	3	3.20		107	1	90-110	12/02/2025
Nitrate	mg/L	2.5	2.70		108	1	90-110	12/02/2025
Sulfate	mg/L	15	16.1		107	1	90-110	12/02/2025
Orthophosphate as P	mg/L	5	5.50		110	1	90-110	12/02/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q3737

Project: Buff

Run No.: LB138090

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB138090BSW							
Alkalinity	mg/L	50	46.8		94	1	80-120	12/03/2025



RAW DATA

Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method name	date time	Initial w/ Analyst
STD1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-120125	12/1/2025 11:48	10 RM/IZ
STD2	0.412	0.635	0.639	2.103	0.536	0.913	3.265	IC1-120125	12/1/2025 12:09	10 RM/IZ
STD3	0.798	1.201	1.199	4.008	0.999	2.097	5.981	IC1-120125	12/1/2025 12:52	10 RM/IZ
STD4	0.975	1.481	1.479	4.937	1.234	2.295	7.437	IC1-120125	12/1/2025 13:13	10 RM/IZ
STD5	2.015	2.982	2.983	9.952	2.481	5.096	14.845	IC1-120125	12/1/2025 13:35	10 RM/IZ
STD6	4.009	5.961	5.958	19.885	4.959	10.523	29.548	IC1-120125	12/1/2025 13:57	10 RM/IZ
STD7	4.991	7.539	7.542	25.114	6.291	12.075	37.424	IC1-120125	12/1/2025 14:18	10 RM/IZ
ICV	2.032	2.991	2.998	10.111	2.458	5.430	14.904	IC1-120125	12/1/2025 14:40	10 RM/IZ
ICB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-120125	12/1/2025 14:58	10 RM/IZ
CCV	2.101	3.131	3.137	10.450	2.593	5.064	15.536	IC1-120125	12/2/2025 11:05	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-120125	12/2/2025 11:26	10 RM/IZ
LB138084BLW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-120125	12/2/2025 11:48	10 RM/IZ
LB138084BSW	2.148	3.195	3.180	10.677	2.664	5.450	16.057	IC1-120125	12/2/2025 12:09	10 RM/IZ
Q3737-01	0.207	38.229	0.098	0.000	1.506	0.494	127.879	IC1-120125	12/2/2025 12:31	10 RM/IZ
Q3737-02	0.078	15.776	411.917	0.402	1.193	0.072	1206.334	IC1-120125	12/2/2025 12:58	10 RM/IZ
Q3737-02MS	2.251	19.602	3.393	10.878	3.765	5.437	1176.116	IC1-120125	12/2/2025 13:21	10 RM/IZ
Q3737-02MSD	2.256	19.529	3.288	10.522	3.670	5.671	1161.278	IC1-120125	12/2/2025 13:43	10 RM/IZ
Q3737-01DLX10	0.036	3.199	0.000	0.000	0.190	0.112	10.980	IC1-120125	12/2/2025 14:05	10 RM/IZ
Q3737-02DLX50	0.000	0.326	0.000	0.000	0.077	0.000	16.487	IC1-120125	12/2/2025 14:26	10 RM/IZ
CCV	2.111	3.155	3.164	10.566	2.623	5.818	15.507	IC1-120125	12/2/2025 14:48	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-120125	12/2/2025 15:09	10 RM/IZ

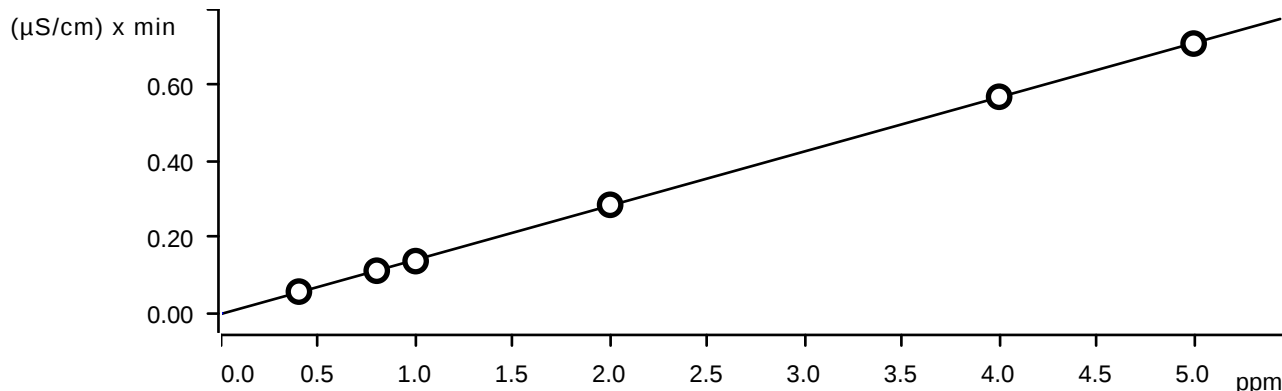
Clear table

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	IC1-120125	12/1/2025 11:48	10 RM/IZ
STD2	0.4120	0.6350	0.6390	2.1030	0.5360	0.9130	3.2650	IC1-120125	12/1/2025 12:09	10 RM/IZ
STD3	0.7980	1.2010	1.1990	4.0080	0.9990	2.0970	5.9810	IC1-120125	12/1/2025 12:52	10 RM/IZ
STD4	0.9750	1.4810	1.4790	4.9370	1.2340	2.2950	7.4370	IC1-120125	12/1/2025 13:13	10 RM/IZ
STD5	2.0150	2.9820	2.9830	9.9520	2.4810	5.0960	14.8450	IC1-120125	12/1/2025 13:35	10 RM/IZ
STD6	4.0090	5.9610	5.9580	19.8850	4.9590	10.5230	29.5480	IC1-120125	12/1/2025 13:57	10 RM/IZ
STD7	4.9910	7.5390	7.5420	25.1140	6.2910	12.0750	37.4240	IC1-120125	12/1/2025 14:18	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	3.0000	5.8333	6.5000	5.1500	7.2000	-8.7000	8.8333
STD3	-0.2500	0.0833	-0.0833	0.2000	-0.1000	4.8500	-0.3167
STD4	-2.5000	-1.2667	-1.4000	-1.2600	-1.2800	-8.2000	-0.8400
STD5	0.7500	-0.6000	-0.5667	-0.4800	-0.7600	1.9200	-1.0333
STD6	0.2250	-0.6500	-0.7000	-0.5750	-0.8200	5.2300	-1.5067
STD7	-0.1800	0.5200	0.5600	0.4560	0.6560	-3.4000	1.1459

Fluoride (Anions)



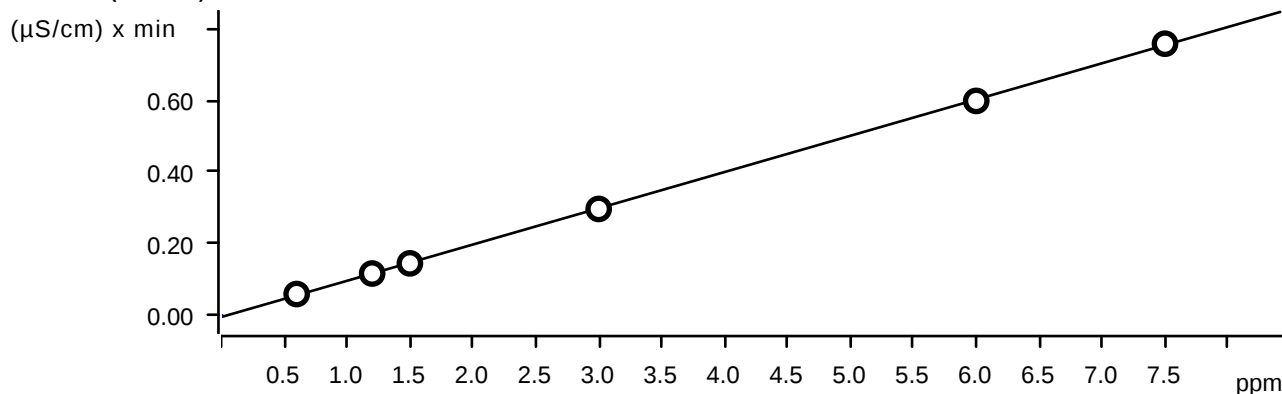
Function: $A = -1.71119E-3 + 0.0142641 \times Q$

Relative standard deviation 0.777267 %

Correlation coefficient 0.999967

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	2025-12-01 11:48:15 UTC-5	used
Standard 2	1	0.400	10.0	1.0	1.0	0.057	STD2	2025-12-01 12:09:37 UTC-5	used
Standard 3	1	0.800	10.0	1.0	1.0	0.112	STD3	2025-12-01 12:52:25 UTC-5	used
Standard 4	1	1.000	10.0	1.0	1.0	0.137	STD4	2025-12-01 13:13:50 UTC-5	used
Standard 5	1	2.000	10.0	1.0	1.0	0.286	STD5	2025-12-01 13:35:52 UTC-5	used
Standard 6	1	4.000	10.0	1.0	1.0	0.570	STD6	2025-12-01 13:57:13 UTC-5	used
Standard 7	1	5.000	10.0	1.0	1.0	0.710	STD7	2025-12-01 14:18:41 UTC-5	used

Chloride (Anions)

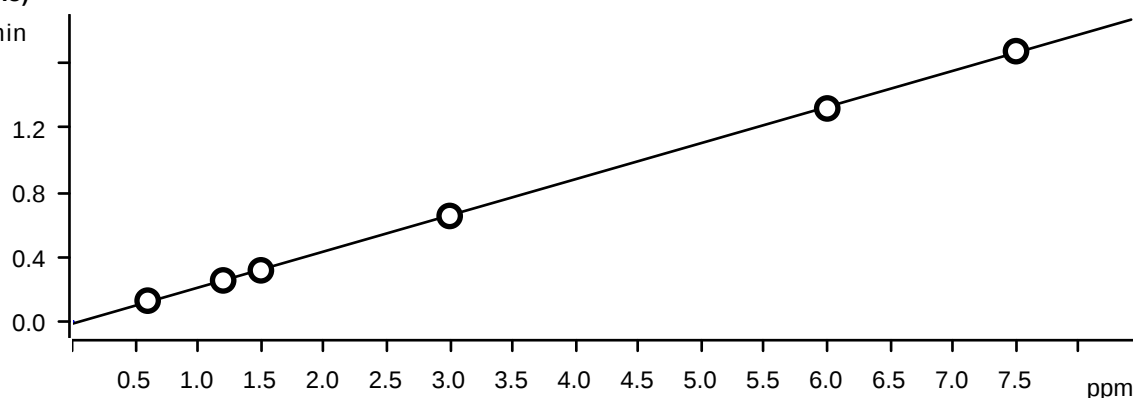


Function: $A = -4.50795E-3 + 0.0101091 \times Q$

Relative standard deviation 1.077238 %

Correlation coefficient 0.999938

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	2025-12-01 11:48:15 UTC-5	used
Standard 2	1	0.600	10.0	1.0	1.0	0.060	STD2	2025-12-01 12:09:37 UTC-5	used
Standard 3	1	1.200	10.0	1.0	1.0	0.117	STD3	2025-12-01 12:52:25 UTC-5	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2025-12-01 13:13:50 UTC-5	used
Standard 5	1	3.000	10.0	1.0	1.0	0.297	STD5	2025-12-01 13:35:52 UTC-5	used
Standard 6	1	6.000	10.0	1.0	1.0	0.598	STD6	2025-12-01 13:57:13 UTC-5	used
Standard 7	1	7.500	10.0	1.0	1.0	0.758	STD7	2025-12-01 14:18:41 UTC-5	used

Nitrite (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0147505 + 0.0223943 \times Q$

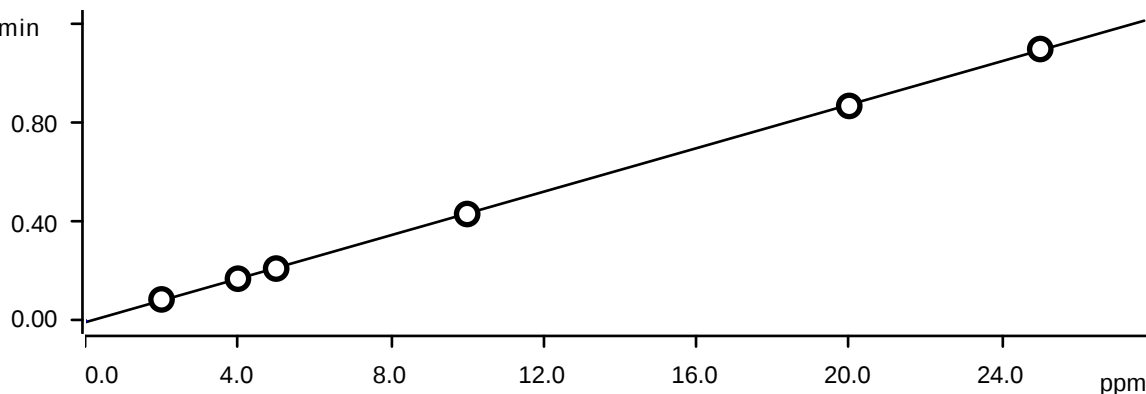
Relative standard deviation 1.183356 %

Correlation coefficient 0.999927

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	2025-12-01 11:48:15 UTC-5	used
Standard 2	1	0.600	10.0	1.0	1.0	0.128	STD2	2025-12-01 12:09:37 UTC-5	used
Standard 3	1	1.200	10.0	1.0	1.0	0.254	STD3	2025-12-01 12:52:25 UTC-5	used
Standard 4	1	1.500	10.0	1.0	1.0	0.316	STD4	2025-12-01 13:13:50 UTC-5	used
Standard 5	1	3.000	10.0	1.0	1.0	0.653	STD5	2025-12-01 13:35:52 UTC-5	used
Standard 6	1	6.000	10.0	1.0	1.0	1.319	STD6	2025-12-01 13:57:13 UTC-5	used
Standard 7	1	7.500	10.0	1.0	1.0	1.674	STD7	2025-12-01 14:18:41 UTC-5	used

Bromide (Anions)

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



Function: $A = -5.85906E-3 + 4.38185E-3 \times Q$

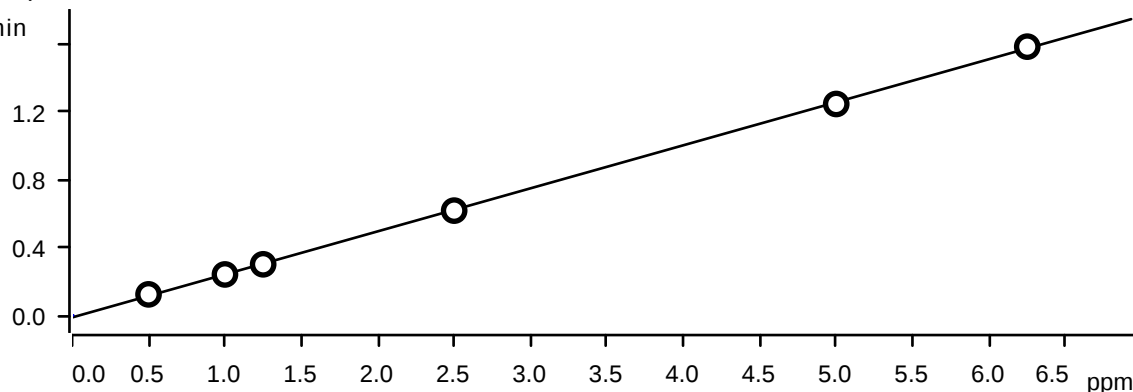
Relative standard deviation: 0.955560 %

Correlation coefficient: 0.999951

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	2025-12-01 11:48:15 UTC-5	used
Standard 2	1	2.000	10.0	1.0	1.0	0.086	STD2	2025-12-01 12:09:37 UTC-5	used
Standard 3	1	4.000	10.0	1.0	1.0	0.170	STD3	2025-12-01 12:52:25 UTC-5	used
Standard 4	1	5.000	10.0	1.0	1.0	0.210	STD4	2025-12-01 13:13:50 UTC-5	used
Standard 5	1	10.000	10.0	1.0	1.0	0.430	STD5	2025-12-01 13:35:52 UTC-5	used
Standard 6	1	20.000	10.0	1.0	1.0	0.865	STD6	2025-12-01 13:57:13 UTC-5	used
Standard 7	1	25.000	10.0	1.0	1.0	1.095	STD7	2025-12-01 14:18:41 UTC-5	used

Nitrate (Anions)

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

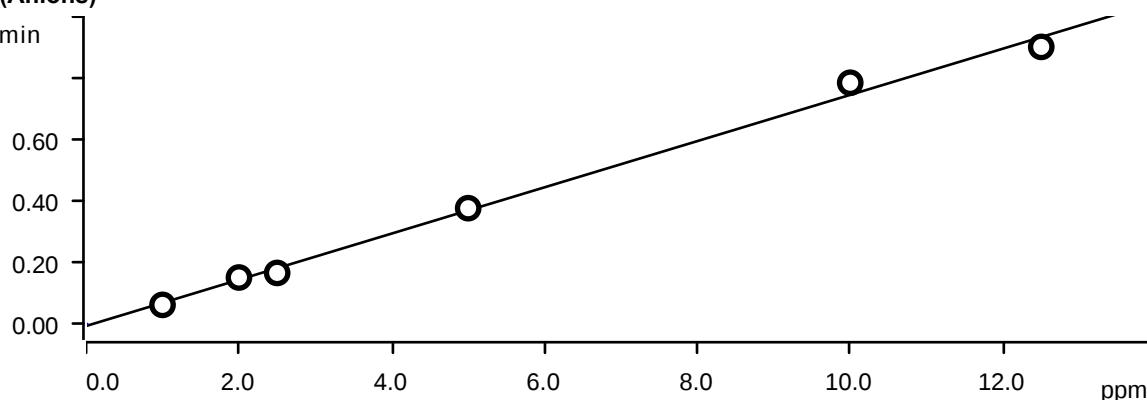


Function: $A = -0.0119899 + 0.0253343 \times Q$

Relative standard deviation: 1.343370 %

Correlation coefficient 0.999905

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	2025-12-01 11:48:15 UTC-5	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2025-12-01 12:09:37 UTC-5	used
Standard 3	1	1.000	10.0	1.0	1.0	0.241	STD3	2025-12-01 12:52:25 UTC-5	used
Standard 4	1	1.250	10.0	1.0	1.0	0.301	STD4	2025-12-01 13:13:50 UTC-5	used
Standard 5	1	2.500	10.0	1.0	1.0	0.617	STD5	2025-12-01 13:35:52 UTC-5	used
Standard 6	1	5.000	10.0	1.0	1.0	1.244	STD6	2025-12-01 13:57:13 UTC-5	used
Standard 7	1	6.250	10.0	1.0	1.0	1.582	STD7	2025-12-01 14:18:41 UTC-5	used

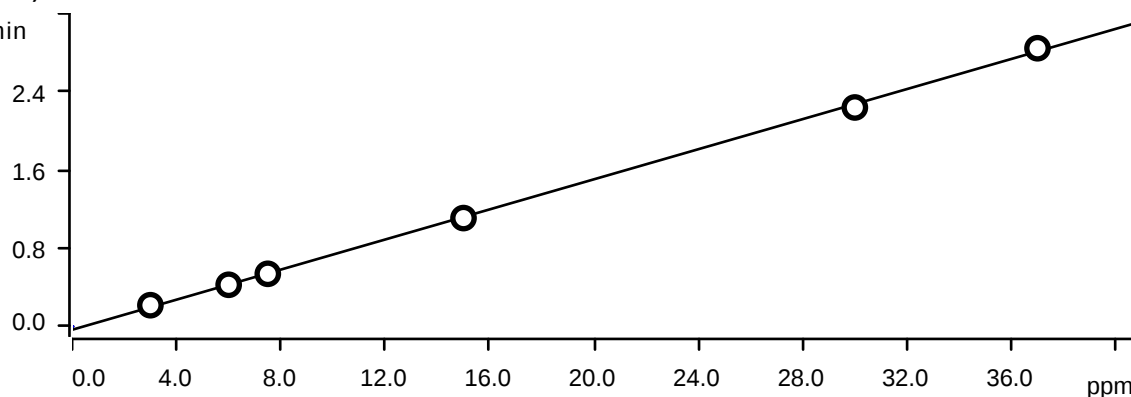
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -5.90721E-3 + 7.51764E-3 \times Q$

Relative standard deviation 6.666731 %

Correlation coefficient 0.997655

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	2025-12-01 11:48:15 UTC-5	used
Standard 2	1	1.000	10.0	1.0	1.0	0.063	STD2	2025-12-01 12:09:37 UTC-5	used
Standard 3	1	2.000	10.0	1.0	1.0	0.152	STD3	2025-12-01 12:52:25 UTC-5	used
Standard 4	1	2.500	10.0	1.0	1.0	0.167	STD4	2025-12-01 13:13:50 UTC-5	used
Standard 5	1	5.000	10.0	1.0	1.0	0.377	STD5	2025-12-01 13:35:52 UTC-5	used
Standard 6	1	10.000	10.0	1.0	1.0	0.785	STD6	2025-12-01 13:57:13 UTC-5	used
Standard 7	1	12.500	10.0	1.0	1.0	0.902	STD7	2025-12-01 14:18:41 UTC-5	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0335409 + 7.69031E-3 \times Q$

Relative standard deviation 2.174138 %

Correlation coefficient 0.999753

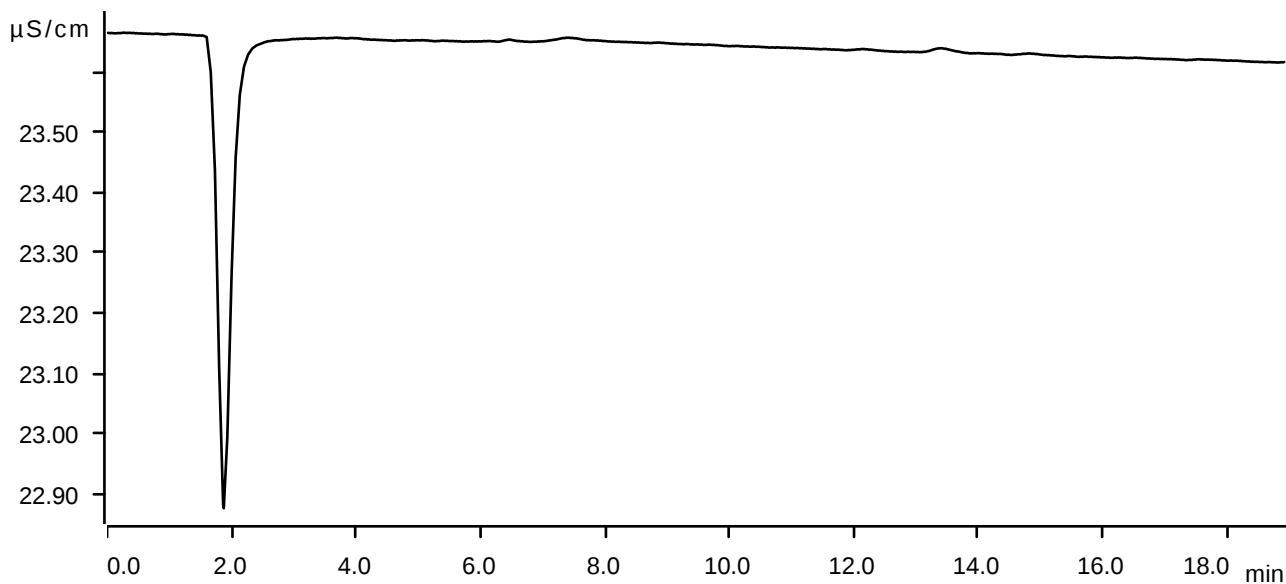
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-12-01 11:48:15 UTC-5	used
Standard 2	1	3.000	10.0	1.0	1.0	0.218	STD2	2025-12-01 12:09:37 UTC-5	used
Standard 3	1	6.000	10.0	1.0	1.0	0.426	STD3	2025-12-01 12:52:25 UTC-5	used
Standard 4	1	7.500	10.0	1.0	1.0	0.538	STD4	2025-12-01 13:13:50 UTC-5	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2025-12-01 13:35:52 UTC-5	used
Standard 6	1	30.000	10.0	1.0	1.0	2.239	STD6	2025-12-01 13:57:13 UTC-5	used
Standard 7	1	37.000	10.0	1.0	1.0	2.844	STD7	2025-12-01 14:18:41 UTC-5	used

Sample data

Ident STD1
Sample type Standard 1
Determination start 2025-12-01 11:48:15 UTC-5
Method IC1-120125
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 11.99 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

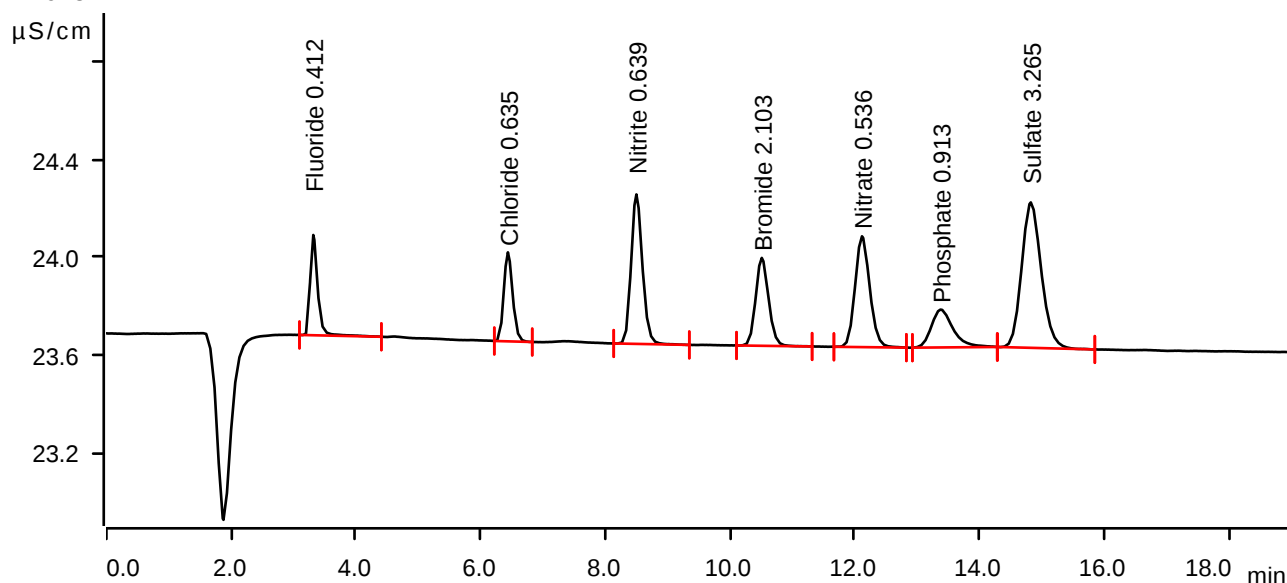
Sample data

Ident STD2
Sample type Standard 2
Determination start 2025-12-01 12:09:37 UTC-5
Method IC1-120125
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 11.99 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	3.318	0.0571	0.411	0.412	Fluoride
2	6.438	0.0597	0.365	0.635	Chloride
3	8.498	0.1284	0.613	0.639	Nitrite
4	10.508	0.0863	0.360	2.103	Bromide
5	12.115	0.1238	0.454	0.536	Nitrate
6	13.373	0.0628	0.155	0.913	Phosphate
7	14.822	0.2176	0.596	3.265	Sulfate

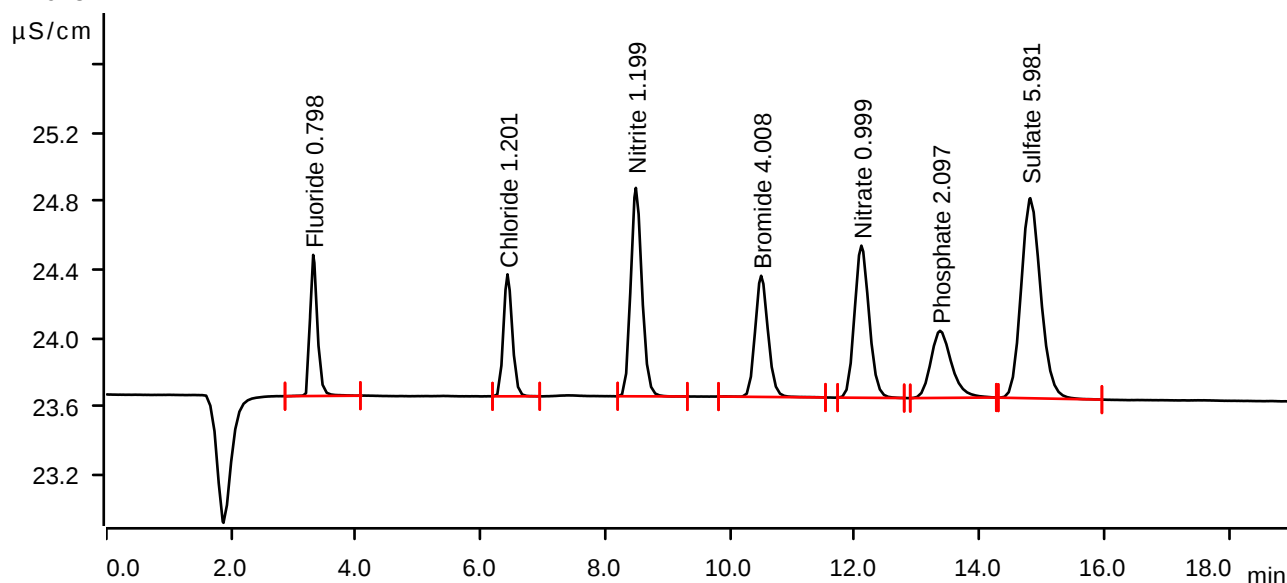
Sample data

Ident STD3
Sample type Standard 3
Determination start 2025-12-01 12:52:25 UTC-5
Method IC1-120125
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	3.317	0.1121	0.826	0.798	Fluoride
2	6.432	0.1169	0.714	1.201	Chloride
3	8.490	0.2538	1.221	1.199	Nitrite
4	10.498	0.1698	0.710	4.008	Bromide
5	12.105	0.2411	0.891	0.999	Nitrate
6	13.367	0.1518	0.393	2.097	Phosphate
7	14.813	0.4264	1.172	5.981	Sulfate

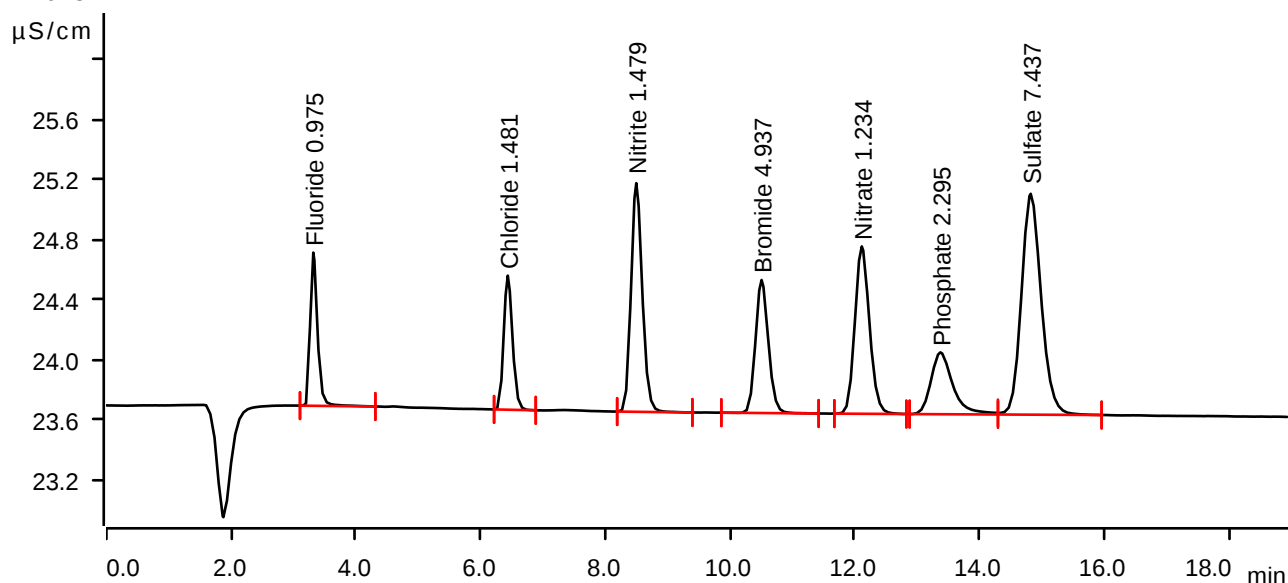
Sample data

Ident STD4
Sample type Standard 4
Determination start 2025-12-01 13:13:50 UTC-5
Method IC1-120125
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	3.318	0.1374	1.017	0.975	Fluoride
2	6.437	0.1452	0.890	1.481	Chloride
3	8.497	0.3164	1.518	1.479	Nitrite
4	10.505	0.2105	0.883	4.937	Bromide
5	12.112	0.3007	1.111	1.234	Nitrate
6	13.372	0.1666	0.410	2.295	Phosphate
7	14.820	0.5384	1.466	7.437	Sulfate

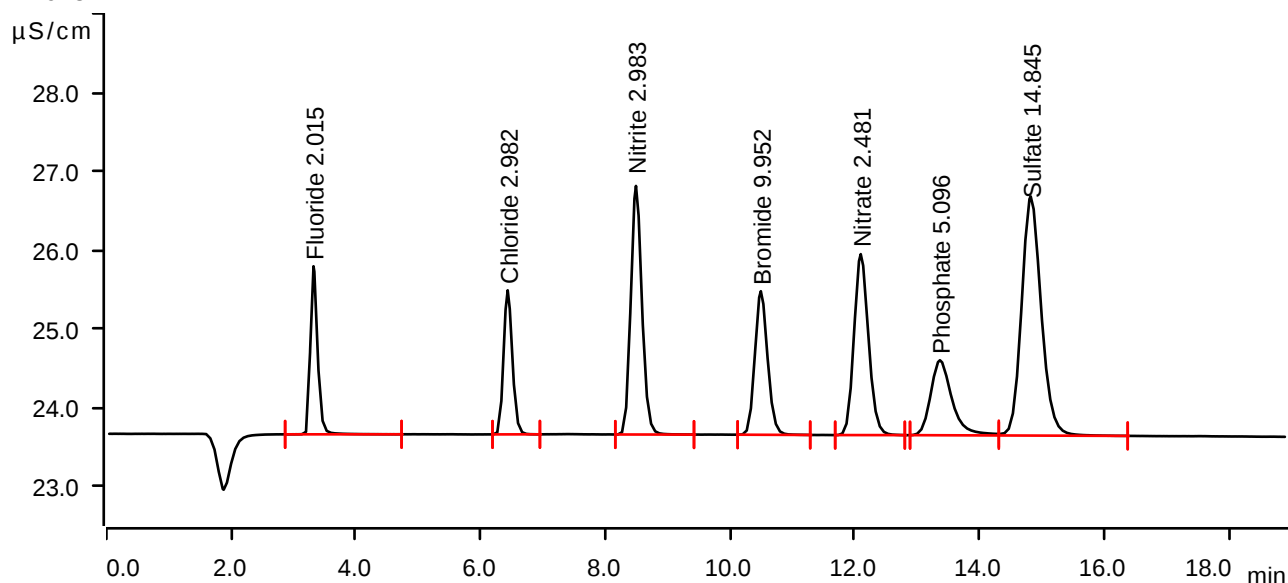
Sample data

Ident STD5
Sample type Standard 5
Determination start 2025-12-01 13:35:52 UTC-5
Method IC1-120125
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	3.322	0.2857	2.133	2.015	Fluoride
2	6.435	0.2970	1.828	2.982	Chloride
3	8.492	0.6533	3.155	2.983	Nitrite
4	10.493	0.4302	1.822	9.952	Bromide
5	12.095	0.6166	2.297	2.481	Nitrate
6	13.365	0.3772	0.952	5.096	Phosphate
7	14.820	1.1081	3.035	14.845	Sulfate

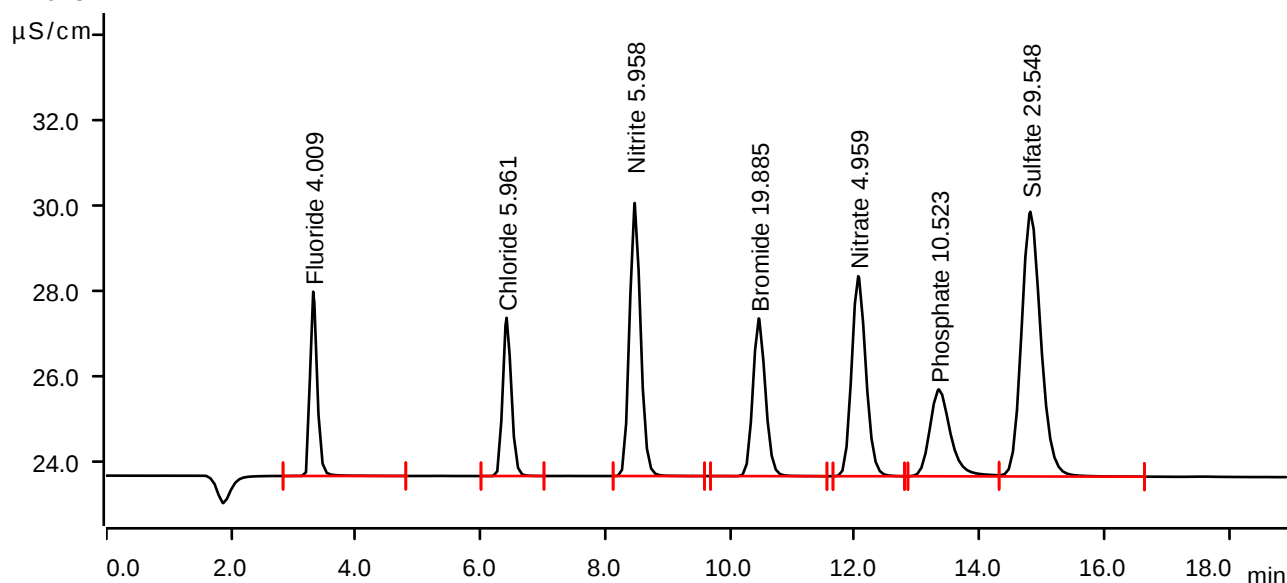
Sample data

Ident STD6
Sample type Standard 6
Determination start 2025-12-01 13:57:13 UTC-5
Method IC1-120125
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	3.317	0.5701	4.316	4.009	Fluoride
2	6.418	0.5981	3.707	5.961	Chloride
3	8.472	1.3194	6.398	5.958	Nitrite
4	10.460	0.8655	3.695	19.885	Bromide
5	12.055	1.2443	4.688	4.959	Nitrate
6	13.348	0.7852	2.036	10.523	Phosphate
7	14.815	2.2388	6.200	29.548	Sulfate

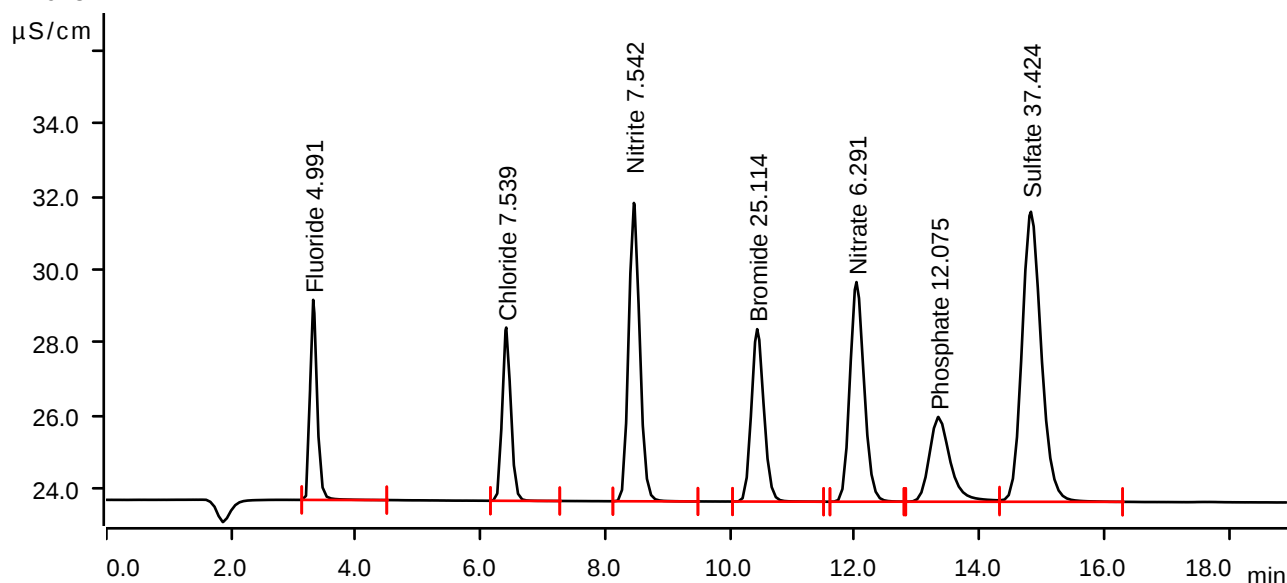
Sample data

Ident STD7
Sample type Standard 7
Determination start 2025-12-01 14:18:41 UTC-5
Method IC1-120125
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 11.77 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	3.317	0.7102	5.467	4.991	Fluoride
2	6.412	0.7576	4.735	7.539	Chloride
3	8.458	1.6742	8.154	7.542	Nitrite
4	10.435	1.0946	4.713	25.114	Bromide
5	12.027	1.5818	6.003	6.291	Nitrate
6	13.340	0.9019	2.316	12.075	Phosphate
7	14.823	2.8445	7.927	37.424	Sulfate

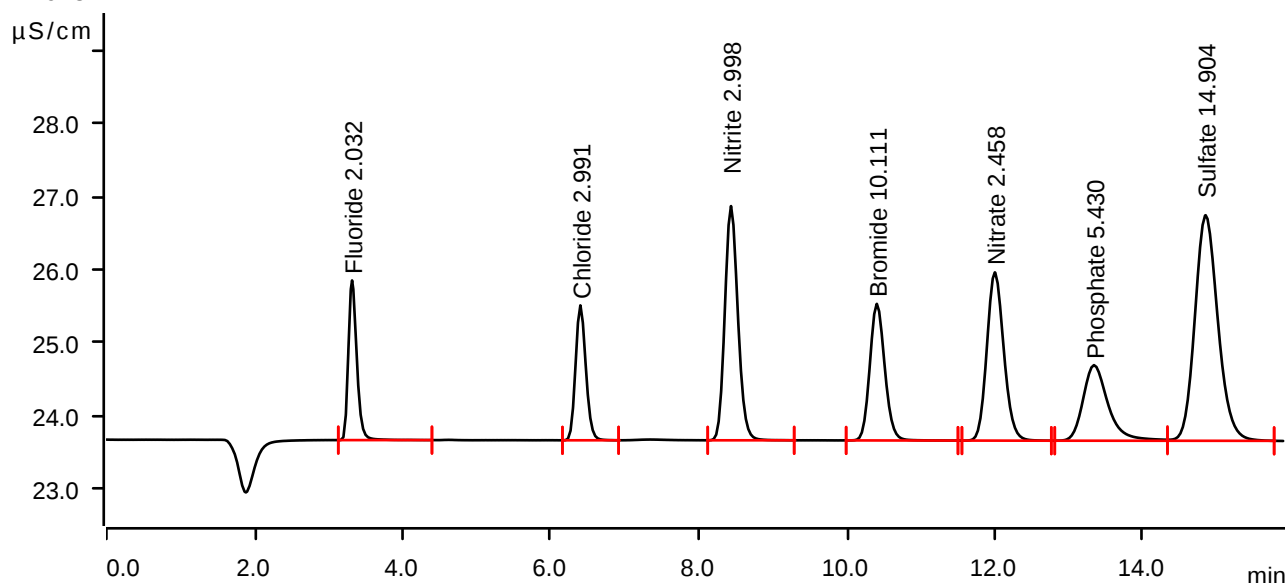
Sample data

Ident ICV
Sample type Check standard 1
Determination start 2025-12-01 14:40:08 UTC-5
Method IC1-120125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 15.9 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 11.82 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



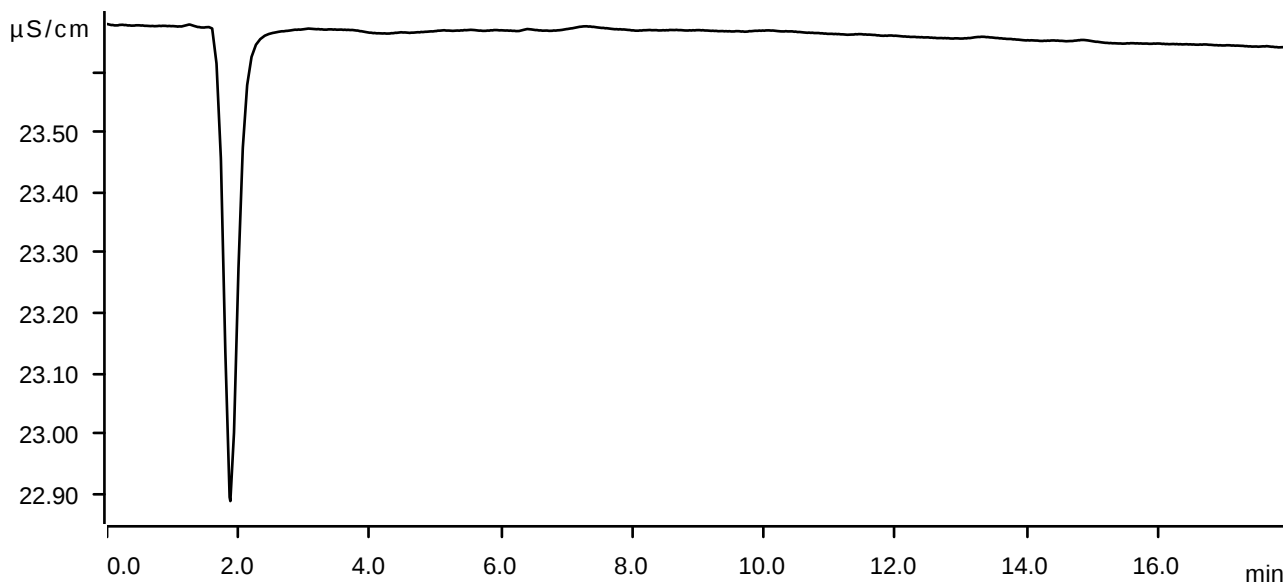
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.318	0.2884	2.182	2.032	Fluoride
2	6.400	0.2984	1.844	2.991	Chloride
3	8.433	0.6564	3.200	2.998	Nitrite
4	10.403	0.4372	1.866	10.111	Bromide
5	11.995	0.6105	2.299	2.458	Nitrate
6	13.335	0.4042	1.033	5.430	Phosphate
7	14.842	1.1126	3.083	14.904	Sulfate

Sample data

Ident ICB
Sample type Sample
Determination start 2025-12-01 14:58:59 UTC-5
Method IC1-120125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 18.1 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 11.60 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

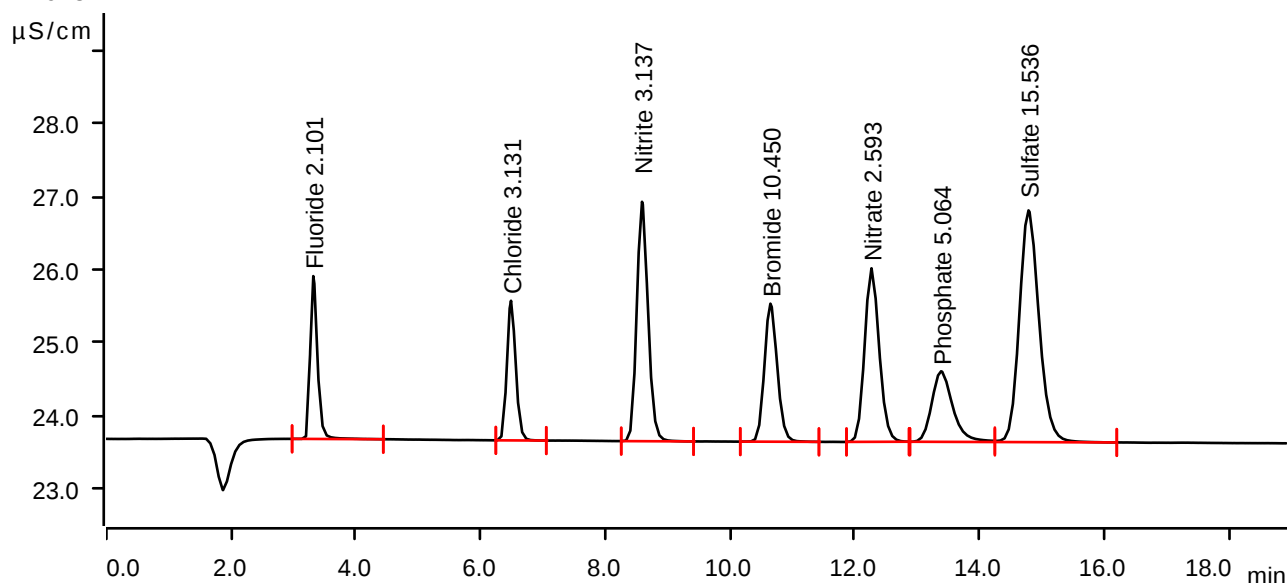
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-12-02 11:05:10 UTC-5
Method IC1-120125
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 12.33 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



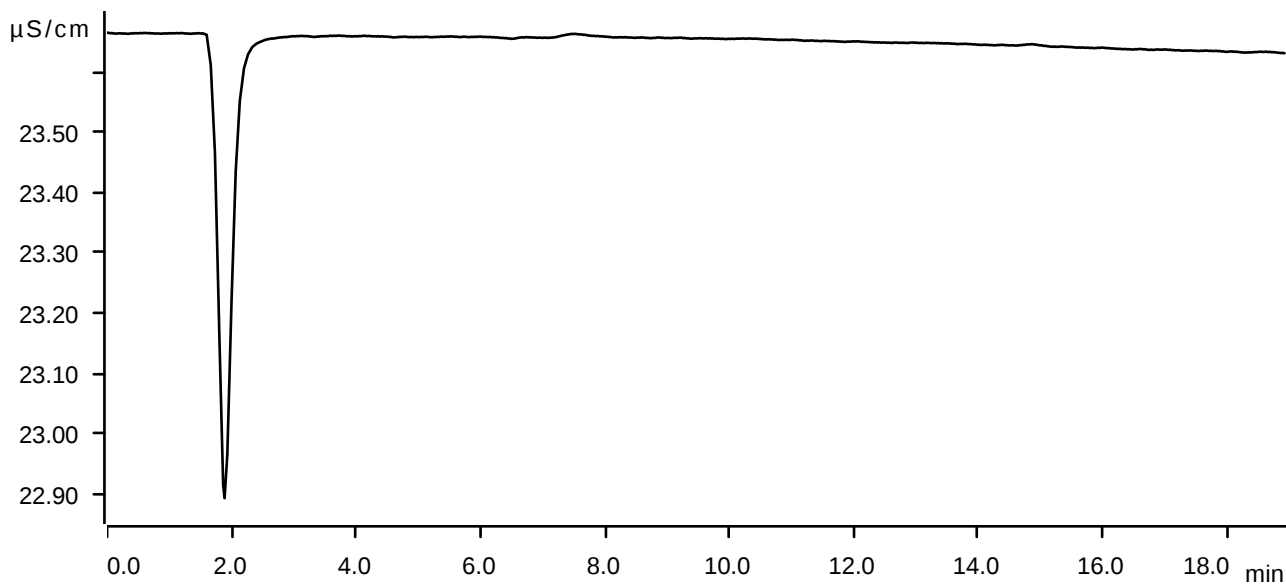
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.318	0.2982	2.225	2.101	Fluoride
2	6.488	0.3126	1.908	3.131	Chloride
3	8.588	0.6876	3.272	3.137	Nitrite
4	10.647	0.4520	1.886	10.450	Bromide
5	12.267	0.6448	2.371	2.593	Nitrate
6	13.383	0.3769	0.964	5.064	Phosphate
7	14.785	1.1613	3.167	15.536	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-12-02 11:26:41 UTC-5
Method IC1-120125
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 12.22 MPa
Maximum pressure monitored yes
Temperature ---- °C

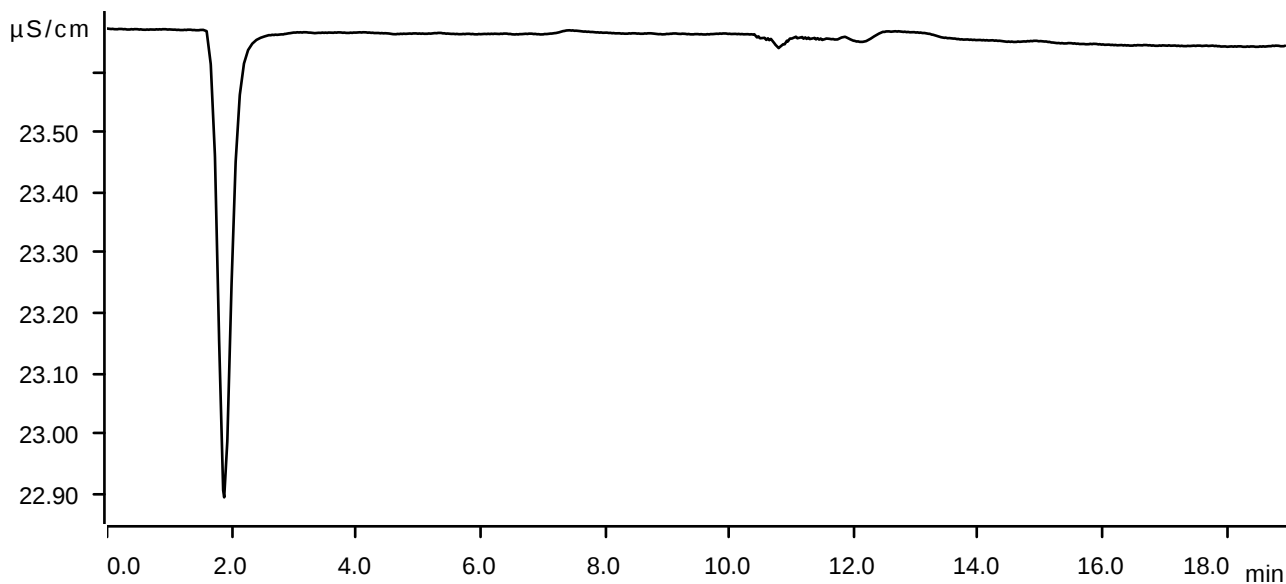
Anions

Sample data

Ident LB138084BLW
Sample type Sample
Determination start 2025-12-02 11:48:11 UTC-5
Method IC1-120125
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 12.22 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

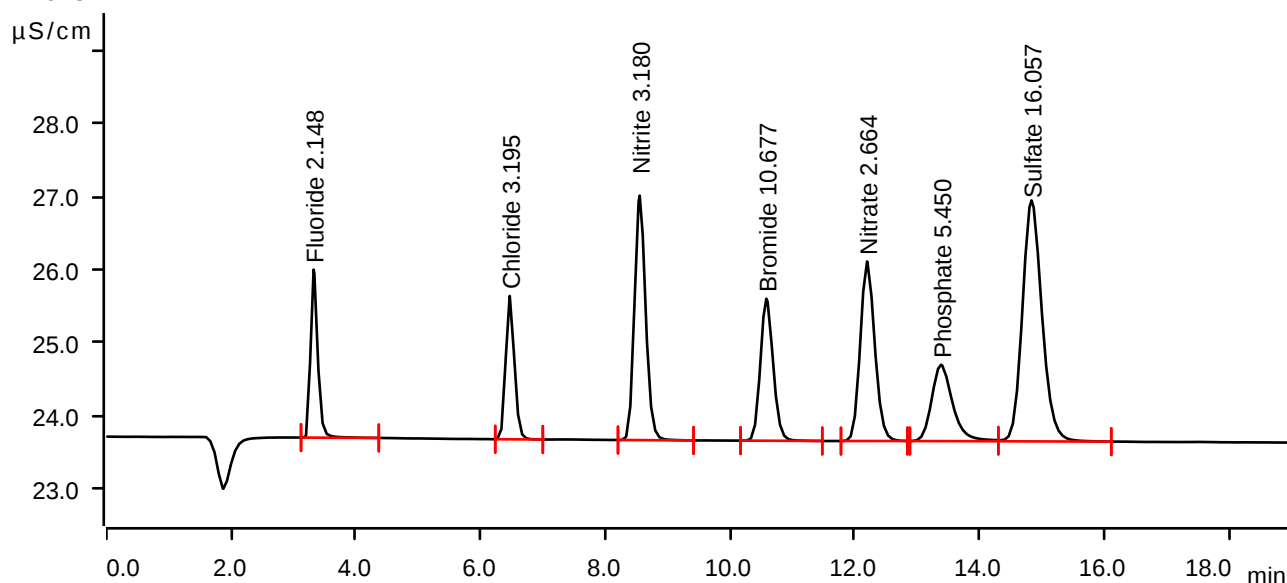
Sample data

Ident LB138084BSW
Sample type Check standard 1
Determination start 2025-12-02 12:09:42 UTC-5
Method IC1-120125
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	3.323	0.3049	2.296	2.148	Fluoride
2	6.467	0.3189	1.958	3.195	Chloride
3	8.552	0.6973	3.341	3.180	Nitrite
4	10.582	0.4620	1.942	10.677	Bromide
5	12.197	0.6627	2.454	2.664	Nitrate
6	13.382	0.4057	1.044	5.450	Phosphate
7	14.833	1.2013	3.293	16.057	Sulfate

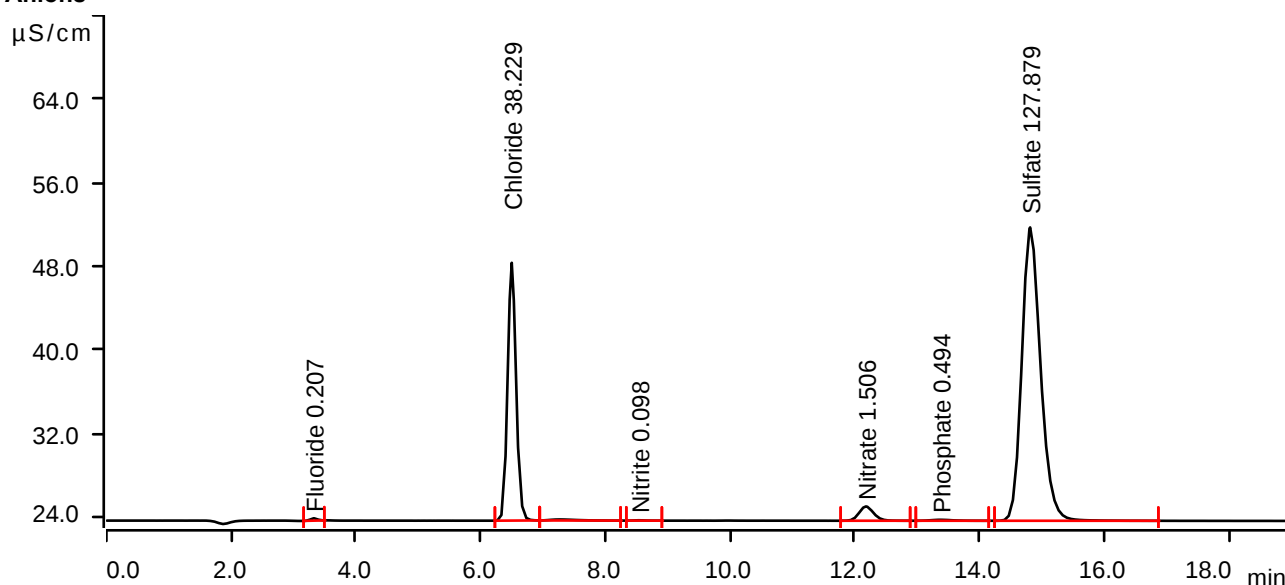
Sample data

Ident Q3737-01
Sample type Sample
Determination start 2025-12-02 12:31:15 UTC-5
Method IC1-120125
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 min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.323	0.0283	0.225	0.207	Fluoride
2	6.500	3.8536	24.659	38.229	Chloride
3	7.267	0.0458	0.095	invalid	
4	8.540	0.0067	0.033	0.098	Nitrite
5	12.178	0.3694	1.367	1.506	Nitrate
6	13.373	0.0354	0.091	0.494	Phosphate
7	14.812	9.8007	28.063	127.879	Sulfate

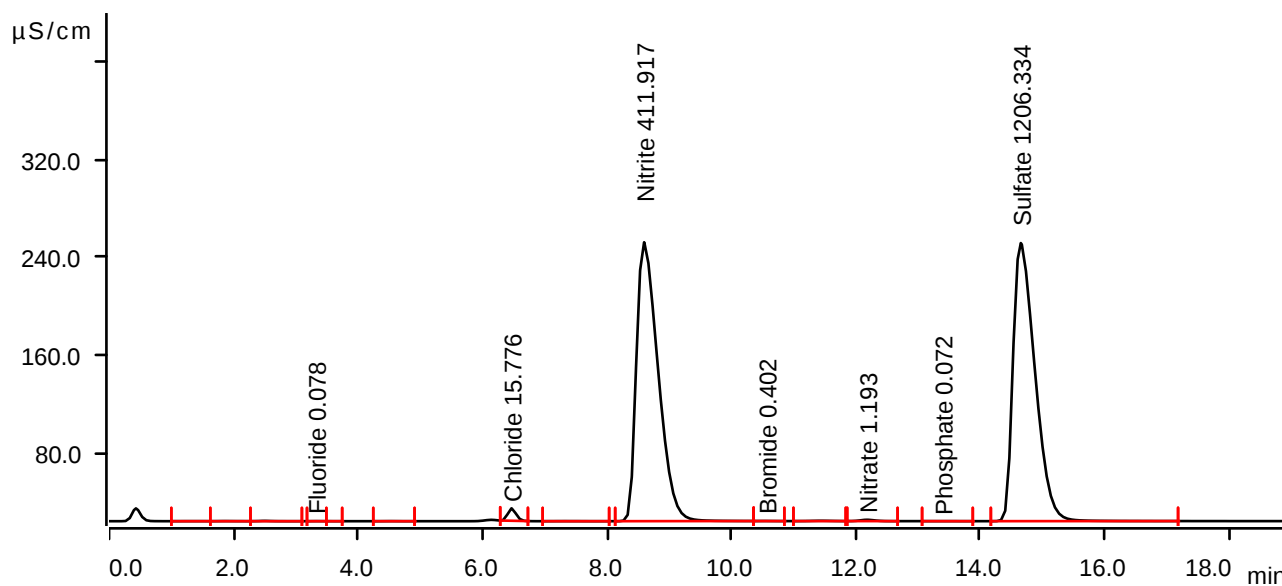
Sample data

Ident Q3737-02
Sample type Sample
Determination start 2025-12-02 12:58:24 UTC-5
Method IC1-120125
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 min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	1.292	0.0187	0.043	invalid	
2	1.870	0.0345	0.097	invalid	
3	2.503	0.0563	0.250	invalid	
4	3.323	0.0099	0.072	0.078	Fluoride
5	3.533	0.0013	0.009	invalid	
6	4.527	0.0160	0.067	invalid	
7	6.470	1.5883	10.207	15.776	Chloride
8	7.312	0.0270	0.056	invalid	
9	8.598	92.2691	228.705	411.917	Nitrite
10	10.553	0.0117	0.054	0.402	Bromide
11	11.445	0.0978	0.270	invalid	
12	12.180	0.2901	1.094	1.193	Nitrate
13	13.393	0.0039	0.011	0.072	Phosphate
14	14.652	92.7370	228.037	1206.334	Sulfate

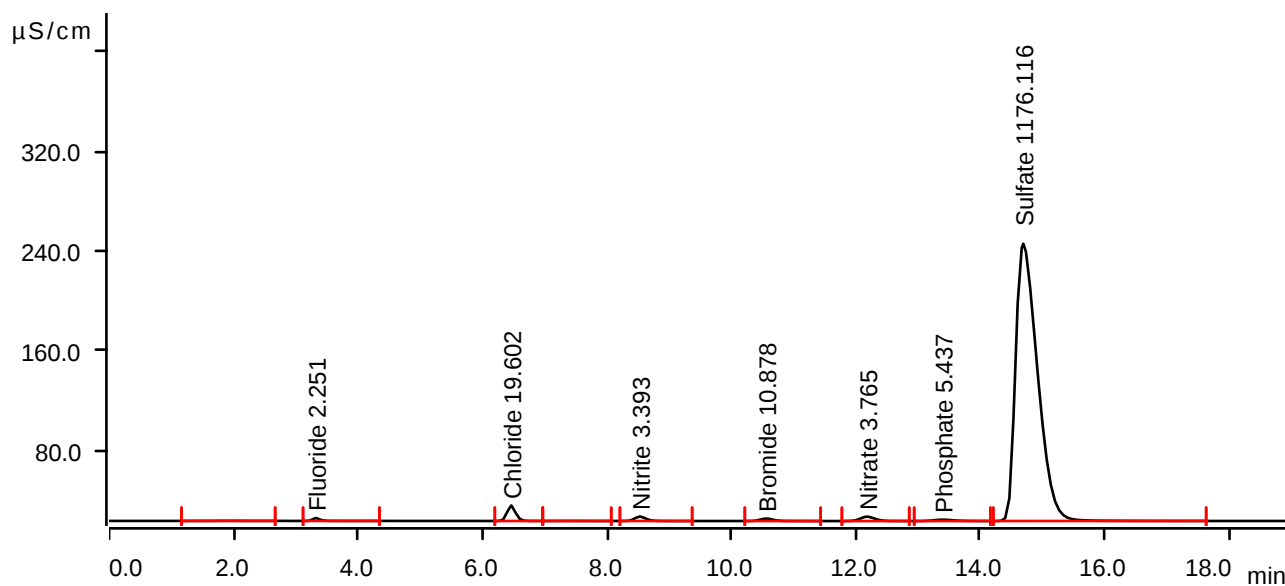
Sample data

Ident Q3737-02MS
Sample type Sample
Determination start 2025-12-02 13:21:49 UTC-5
Method IC1-120125
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 11.99 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	1.890	0.0390	0.106	invalid	
2	3.322	0.3195	2.330	2.251	Fluoride
3	6.462	1.9743	12.361	19.602	Chloride
4	7.332	0.0194	0.039	invalid	
5	8.530	0.7450	3.571	3.393	Nitrite
6	10.560	0.4708	1.979	10.878	Bromide
7	12.180	0.9417	3.504	3.765	Nitrate
8	13.392	0.4047	1.076	5.437	Phosphate
9	14.692	90.4131	221.918	1176.116	Sulfate

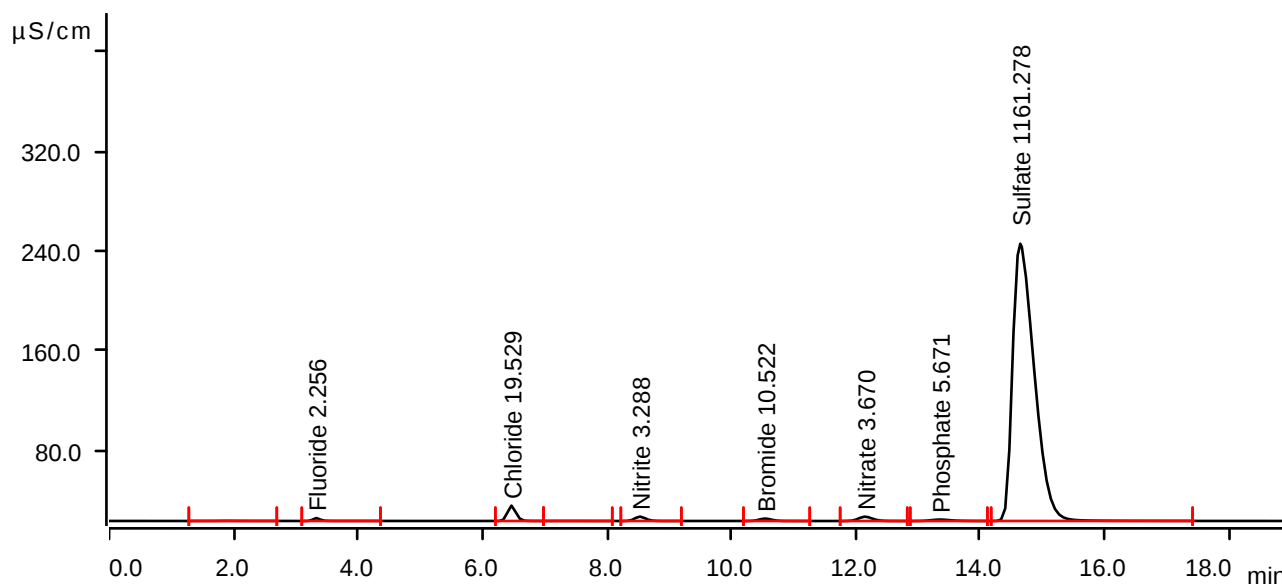
Sample data

Ident Q3737-02MSD
Sample type Sample
Determination start 2025-12-02 13:43:24 UTC-5
Method IC1-120125
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	1.903	0.0381	0.105	invalid	
2	3.328	0.3203	2.298	2.256	Fluoride
3	6.467	1.9670	12.303	19.529	Chloride
4	7.348	0.0194	0.039	invalid	
5	8.530	0.7214	3.490	3.288	Nitrite
6	10.542	0.4552	1.933	10.522	Bromide
7	12.148	0.9178	3.449	3.670	Nitrate
8	13.352	0.4223	1.139	5.671	Phosphate
9	14.643	89.2720	221.931	1161.278	Sulfate

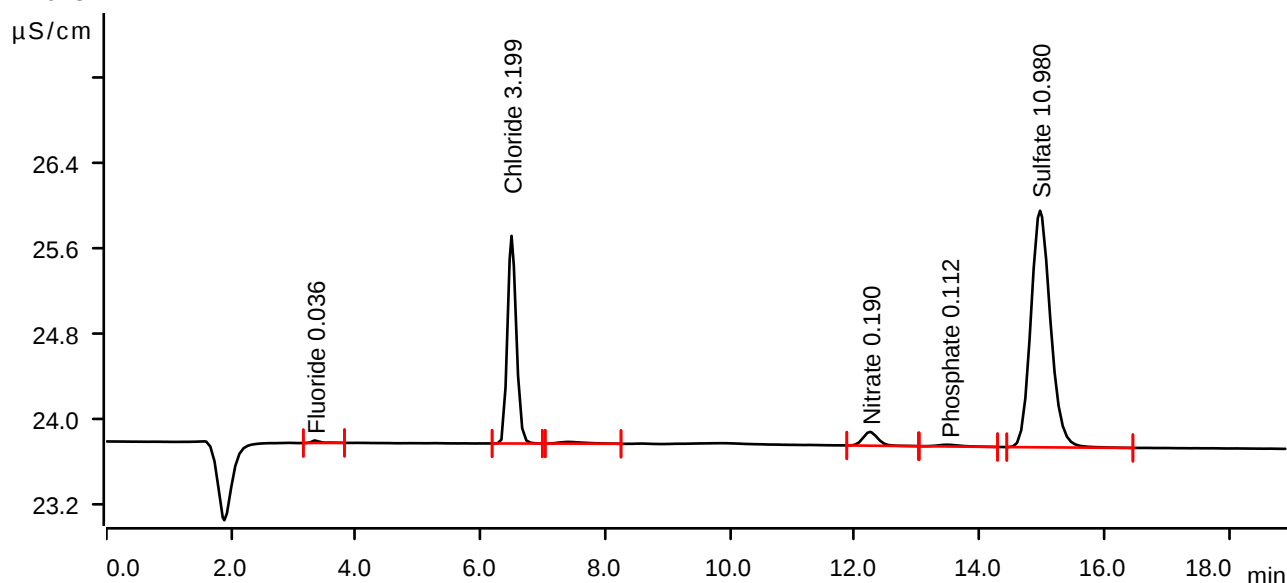
Sample data

Ident Q3737-01DLX10
Sample type Sample
Determination start 2025-12-02 14:05:00 UTC-5
Method IC1-120125
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	3.342	0.0039	0.023	0.036	Fluoride
2	6.497	0.3194	1.946	3.199	Chloride
3	7.418	0.0080	0.016	invalid	
4	12.245	0.0360	0.129	0.190	Nitrate
5	13.463	0.0068	0.016	0.112	Phosphate
6	14.970	0.8109	2.217	10.980	Sulfate

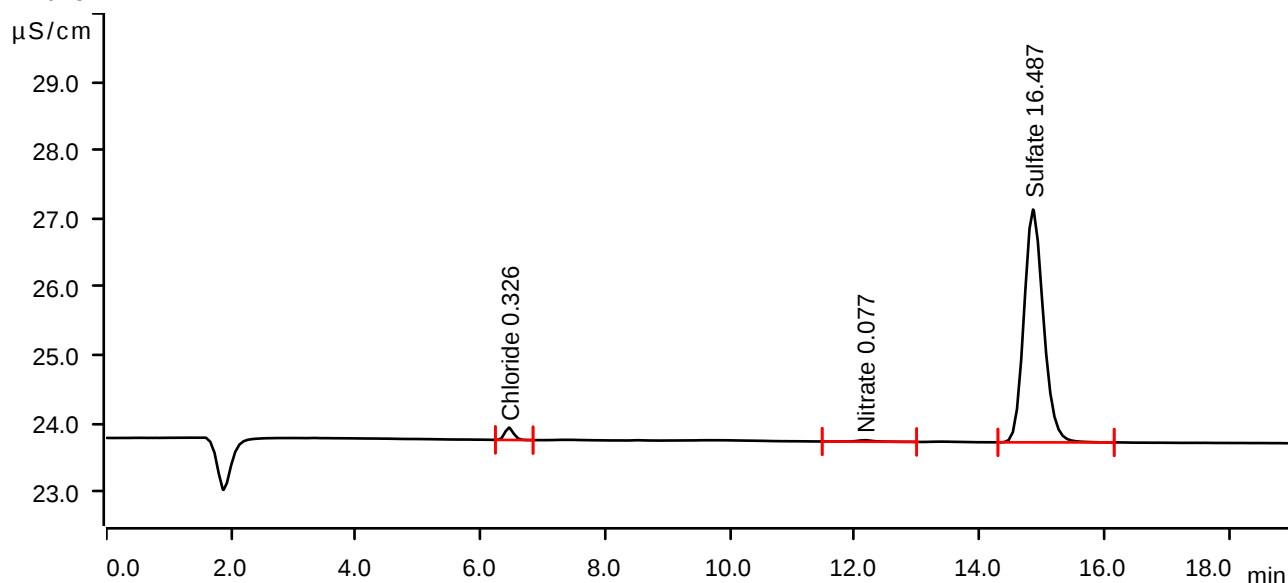
Sample data

Ident Q3737-02DLX50
Sample type Sample
Determination start 2025-12-02 14:26:34 UTC-5
Method IC1-120125
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	6.455	0.0295	0.181	0.326	Chloride
2	12.153	0.0073	0.022	0.077	Nitrate
3	14.857	1.2344	3.409	16.487	Sulfate

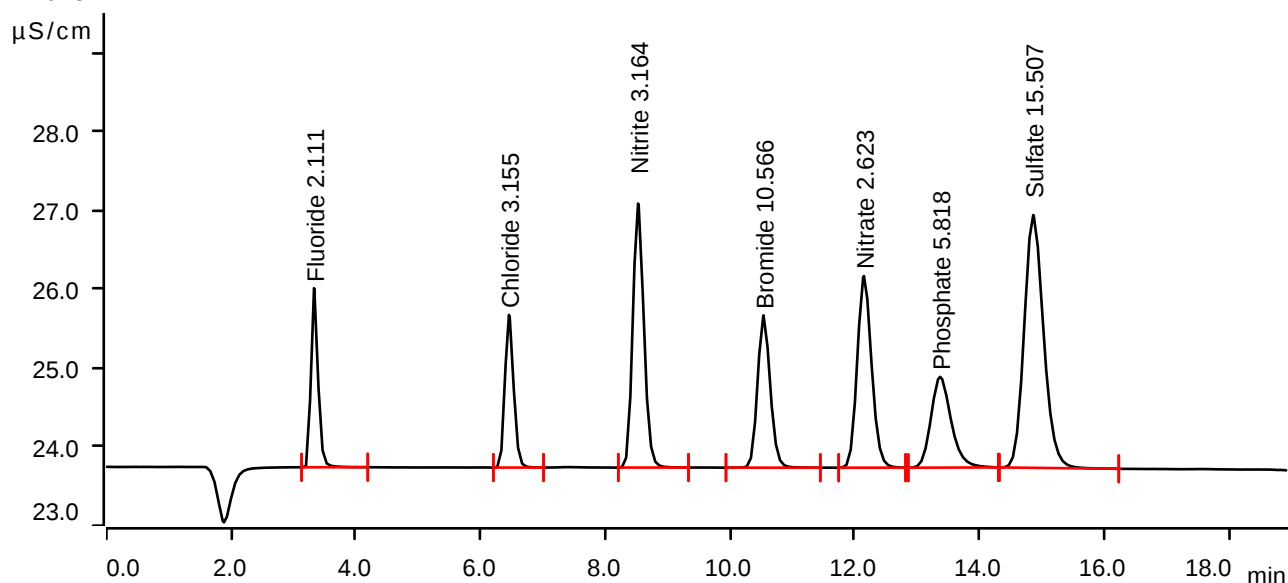
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-12-02 14:48:08 UTC-5
Method IC1-120125
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 11.99 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



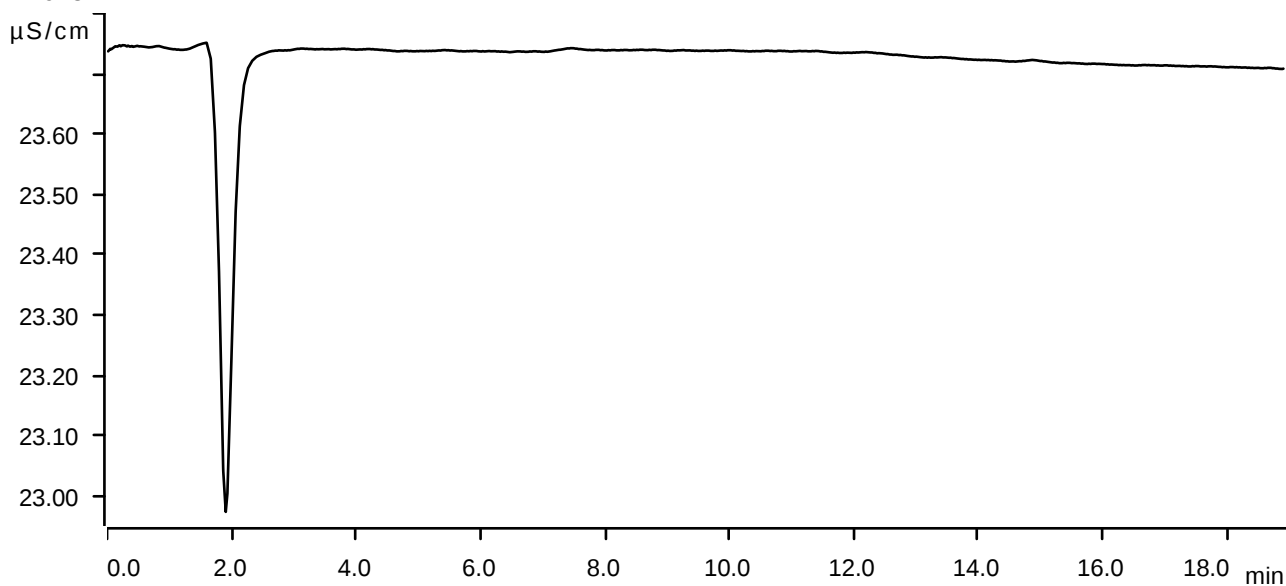
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.330	0.2996	2.272	2.111	Fluoride
2	6.455	0.3150	1.937	3.155	Chloride
3	8.525	0.6936	3.350	3.164	Nitrite
4	10.537	0.4571	1.932	10.566	Bromide
5	12.147	0.6524	2.433	2.623	Nitrate
6	13.368	0.4332	1.152	5.818	Phosphate
7	14.860	1.1590	3.208	15.507	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-12-02 15:09:38 UTC-5
Method IC1-120125
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 11.26 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

TitriSoft Report

Ident	Amount	DateTime	Alkalinity	Final pH (sample)	Initial pH (sample)	slope	offset
LB138090BLW	100	03/12/2025 10:32	0.00	4.42	4.48	101.6	69.2
LB138090BSW	100	03/12/2025 10:36	46.84	4.36	9.24	101.6	69.2
Q3737-01	50	03/12/2025 10:44	268.42	4.40	7.06	101.6	69.2
Q3737-01DUP	50	03/12/2025 10:49	267.26	4.38	7.05	101.6	69.2
Q3737-02	50	03/12/2025 10:53	31.62	4.43	5.76	101.6	69.2

12/03/2025

12/3/25 12

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB138084

Review By	rubina	Review On	12/3/2025 12:15:39 PM
Supervise By	Iwona	Supervise On	12/3/2025 12:54:42 PM
SubDirectory	LB138084	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP115865,WP115866,WP115867,WP115868,WP115869,WP115870,WP115871		
ICV Standard	WP115872		
CCV Standard	WP115878		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115879		
Chk Standard	WP115873,WP115874		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	12/01/25 11:48	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	12/01/25 12:09	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	12/01/25 12:52	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	12/01/25 13:13		RM/IZ	OK
5	STD5	STD5	CAL5	12/01/25 13:35		RM/IZ	OK
6	STD6	STD6	CAL6	12/01/25 13:57		RM/IZ	OK
7	STD7	STD7	CAL7	12/01/25 14:18		RM/IZ	OK
8	ICV1	ICV1	ICV	12/01/25 14:40		RM/IZ	OK
9	ICB1	ICB1	ICB	12/01/25 14:58		RM/IZ	OK
10	CCV1	CCV1	CCV	12/02/25 11:05		RM/IZ	OK
11	CCB1	CCB1	CCB	12/02/25 11:26		RM/IZ	OK
12	LB138084BLW	LB138084BLW	MB	12/02/25 11:48		RM/IZ	OK
13	LB138084BSW	LB138084BSW	LCS	12/02/25 12:09		RM/IZ	OK
14	Q3737-01	MW3	SAM	12/02/25 12:31	SO4 high	RM/IZ	Dilution
15	Q3737-02	MW4	SAM	12/02/25 12:58	SO4 high	RM/IZ	Dilution
16	Q3737-02MS	MW4MS	MS	12/02/25 13:21	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
17	Q3737-02MSD	MW4MSD	MSD	12/02/25 13:43	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
18	Q3737-01DL	MW3DL	SAM	12/02/25 14:05	10X for SO4	RM/IZ	Confirms

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB138084

Review By	rubina	Review On	12/3/2025 12:15:39 PM
Supervise By	Iwona	Supervise On	12/3/2025 12:54:42 PM
SubDirectory	LB138084	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP115865,WP115866,WP115867,WP115868,WP115869,WP115870,WP115871		
ICV Standard	WP115872		
CCV Standard	WP115878		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115879		
Chk Standard	WP115873,WP115874		

19	Q3737-02DL	MW4DL	SAM	12/02/25 14:26	50X for SO4	RM/IZ	Confirms
20	CCV2	CCV2	CCV	12/02/25 14:48		RM/IZ	OK
21	CCB2	CCB2	CCB	12/02/25 15:09		RM/IZ	OK

Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QC Batch ID # LB138090

Review By	rubina	Review On	12/3/2025 4:56:22 PM
Supervise By	Iwona	Supervise On	12/4/2025 2:16:21 PM
SubDirectory	LB138090	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	WP115894		
Chk Standard	W3217,W3178,W3150		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB138090BLW	LB138090BLW	MB	12/03/25 10:32	pH=4.42	Iwona	OK
2	LB138090BSW	LB138090BSW	LCS	12/03/25 10:36	pH=4.36	Iwona	OK
3	Q3737-01	MW3	SAM	12/03/25 10:44	pH=4.40	Iwona	OK
4	Q3737-01DUP	MW3DUP	DUP	12/03/25 10:49	pH=4.38	Iwona	OK
5	Q3737-02	MW4	SAM	12/03/25 10:53	pH=4.43	Iwona	OK

Prep Standard - Chemical Standard Summary

Order ID : Q3737

Test : Alkalinity,Anions Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: LB138084, LB138090,

Standard ID :

WP115344, WP115865, WP115866, WP115867, WP115868, WP115869, WP115870, WP115871, WP115872, WP115873, WP115874, WP115878, WP115879, WP115892, WP115894,

Chemical ID :

M6186, W2647, W3112, W3150, W3163, W3178, W3180, W3197, W3217,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4035	IC ELUENT CONCENTRATE FOR IC-1	WP115344	10/23/2025	04/23/2026	Iwona Zarych	WETCHEM_SCALE_5 (WCS-5)	None	Jignesh Parikh 10/28/2025
<u>FROM</u> 2.10000gram of W2647 + 84.75000gram of W3163 + 913.15000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2487	Anions 300/9056 calibration standard 1	WP115865	12/01/2025	12/02/2025	Iwona Zarych	None	None	Jignesh Parikh 12/01/2025
<u>FROM</u> 10.00000ml of W3112 = Final Quantity: 10.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
24	Anions 300/9056 calibration standard 2	WP115866	12/01/2025	12/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 12/01/2025
<u>FROM</u> 0.20000ml of W3180 + 9.80000ml of W3112 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
25	Anions 300/9056 calibration standard 3	WP115867	12/01/2025	12/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 12/01/2025
<u>FROM</u> 0.40000ml of W3180 + 9.60000ml of W3112 = Final Quantity: 10.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
26	Anions 300/9056 calibration standard 4	WP115868	12/01/2025	12/02/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 12/01/2025
FROM 0.50000ml of W3180 + 9.50000ml of W3112 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3680	Anions 300/9056 calibration standard 5-CCV	WP115869	12/01/2025	12/02/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 12/01/2025
FROM 45.00000ml of W3112 + 5.00000ml of W3180 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3679	Anions 300/9056 calibration standard 6	WP115870	12/01/2025	12/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 12/01/2025
<u>FROM</u> 2.00000ml of W3180 + 8.00000ml of W3112 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3681	Anions 300/9056 calibration standard 7	WP115871	12/01/2025	12/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 12/01/2025
<u>FROM</u> 2.50000ml of W3180 + 7.50000ml of W3112 = Final Quantity: 10.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3233	Anions 300/9056 ICV-LCS std	WP115872	12/01/2025	12/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 12/01/2025
<u>FROM</u> 45.00000ml of W3112 + 5.00000ml of W3197 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4036	IC ELUENT FOR IC-1	WP115873	12/01/2025	01/01/2026	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 12/01/2025
<u>FROM</u>	1980.00000ml of W3112 + 20.00000ml of WP115344 = Final Quantity: 2000.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4037	IC H2SO4 FOR IC-1	WP115874	12/01/2025	01/01/2026	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
(WC) FROM 5.60000ml of M6186 + 994.40000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3680	Anions 300/9056 calibration standard 5-CCV	WP115878	12/02/2025	12/03/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
<u>FROM</u>		(WC)						
45.00000ml of W3112 + 5.00000ml of W3180 = Final Quantity: 50.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3233	Anions 300/9056 ICV-LCS std	WP115879	12/02/2025	12/03/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 12/04/2025
<u>FROM</u> 45.00000ml of W3112 + 5.00000ml of W3197 = Final Quantity: 50.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3407	Acidity-Alkalinity Stock Std(-+2500PPM)	WP115892	12/03/2025	12/10/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCS-5)	None	Jignesh Parikh 12/04/2025
<u>FROM</u> 0.62500gram of W3163 + 249.40000ml of W3112 = Final Quantity: 250.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
293	alkalinity LCSW 50 ppm	WP115894	12/03/2025	12/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 12/04/2025
<u>FROM</u> 196.00000ml of W3112 + 4.00000ml of WP115892 = Final Quantity: 200.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3506-5 / SODIUM BICARBONATE, PWD, ACS, 2.5KG	0000240594	06/03/2026	02/24/2020 / AMANDEEP	01/20/2020 / apatel	W2647

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL74050-8 / SULFURIC ACID, 0.02N, 4L	235420	03/31/2029	11/04/2024 / lwona	11/04/2024 / lwona	W3150

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-SX0395-3 / SODIUM CARBONATE ANHYDR 2.5KG	24E3156178	09/30/2027	12/10/2024 / lwona	12/10/2024 / lwona	W3163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14055-3 / PH 4 BUFFER SOLUTION	2411A93	10/30/2026	04/01/2025 / JIGNESH	01/27/2025 / jignesh	W3178

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	300-CAL-A-500ML / 300.0 Calibration Standard, 500 ml	V2-MEB742616	02/19/2026	02/19/2025 / lwona	01/27/2025 / lwona	W3180

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	300-CAL-A-500ML / 300.0 Calibration Standard, 500 ml	040525	04/05/2027	04/08/2025 / lwona	04/08/2025 / lwona	W3197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14455-3 / buffer solution pH 7 yellow	2504D34	03/31/2027	07/02/2025 / jignesh	06/26/2025 / lwona	W3217

Sodium Bicarbonate, Powder
BAKER ANALYZED® A.C.S. Reagent

(sodium hydrogen carbonate)



Material No.: 3506-05
Batch No.: 0000240594
Manufactured Date: 2019/06/05
Retest Date: 2026/06/03
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (NaHCO ₃) (dried basis)	99.7 – 100.3 %	100.1
Insoluble Matter	<= 0.015 %	< 0.002
Chloride (Cl)	<= 0.003 %	0.003
Phosphate (PO ₄)	<= 0.001 %	0.001
Sulfur Compounds (as SO ₄)	<= 0.003 %	0.003
Calcium (Ca)	<= 0.02 %	0.02
Trace Impurities – Iron (Fe)	<= 0.001 %	0.001
Magnesium (Mg)	<= 0.005 %	0.005
Potassium (K)	<= 0.005 %	0.005
Ammonium (NH ₄)	<= 5 ppm	5
Trace Impurities – ACS – Heavy Metals (as Pb)	<= 5 ppm	5

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M6186

Recieve Date :- 08/06/25

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO ₄)	95.0 - 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO ₂)	≤ 2 ppm	< 2 ppm
Ammonium (NH ₄)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO ₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities - Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities - Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities - Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities - Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

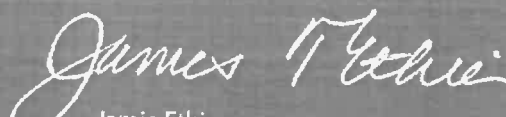


Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

Certificate of Analysis

ThermoFisher
SCIENTIFIC

Certificate of Analysis

1 Reagent Lane

Fair Lawn, NJ 07410

201.796.7100 tel

201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	SA226	Quality Test / Release Date	03/18/2024
Lot Number	235420		
Description	SULFURIC ACID, 0.02N, CERTIFIED		
Country of Origin	United States	Suggested Retest Date	Mar/2029

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
COLOR	APHA	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
NORMALITY		Inclusive Between 0.0198 - 0.0202	0.0200
TRACEABLE TO NIST KHP STD	POT. ACID PHTHALATE	= LOT 84L	SRM 84I



Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.



W3163 Rec. on 12/10/24 by IZ

Certificate of Analysis



Material BDH9284-2.5KG
Material Description BDH SODIUM CARB ANHYD ACS 2.5KG
Grade U S P REAGENT (ACS GRADE)

Batch 24E3156178
Reassay Date 09/30/2027
CAS Number 497-19-8
Molecular Formula Na_2CO_3
Molecular Mass 105.99

Date of Manufacture 09/01/2023
Storage Room Temperature
Material is hygroscopic. Protect from Moisture.
Additional Product Description:

Characteristics	Specifications	Measured Values
Appearance	Fine white granular powder	Fine white granular powder
Calcium	$\leq 0.03 \%$	0.003 %
Chloride	$\leq 0.001 \%$	0.0003 %
Heavy Metals (as Pb)	$\leq 0.0005 \%$	0.0001 %
Insolubles	$\leq 0.01 \%$	0.001 %
Iron	$\leq 0.0005 \%$	0.0001 %
Loss on Heating	$\leq 1.0 \%$	0.03 %
Magnesium	$\leq 0.005 \%$	0.001 %
Phosphate	$\leq 0.001 \%$	0.001 %
Potassium	$\leq 0.005 \%$	0.003 %
Purity	$\geq 99.5 \%$	100.0 %
Silica	$\leq 0.005 \%$	0.001 %
Sulfur Compounds	$\leq 0.003 \%$	0.002 %
Extra Description:	Meets Reagent Specifications for testing USP/NF monographs	

Internal ID #: 710

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

**RICCA CHEMICAL COMPANY®**

1841 Broad Street
Pocomoke City, MD 21851
<http://www.riccachemical.com>
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

W21758 58

Buffer, Reference Standard, pH 4.00 ± 0.01 at 25°C (Color Coded Red)

Lot Number: 2411A93

Product Number: 1501

Manufacture Date: NOV 04, 2024

Expiration Date: OCT 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST Traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	4.00	4.00	4.00	4.00	4.00	4.00	4.01	4.02	4.03	4.04	4.06

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer
Preservative	Proprietary	Commercial
Red Dye	Proprietary	Purified

Test	Specification	Result
Appearance	Red liquid	Passed

*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	4.008	0.02	185i, 186-I-g, 186-II-g

Specification	Reference
Commercial Buffer Solutions	
Buffer B	ASTM (D 1293 B)
Buffer B	ASTM (D 5464)
Buffer B	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1501-16	500 mL natural poly	24 months
1501-2.5	10 L Cubitainer®	24 months
1501-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Ion Chromatography Solution
Catalog Number: 300-CAL-A
Lot Number: V2-MEB742616
Matrix: H₂O
Value / Analyte(s):
150 µg/mL ea:
Sulfate,
100 µg/mL ea:
Bromide,
50 µg/mL ea:
o-Phosphate as P,
30 µg/mL ea:
Chloride, Nitrite as N,
25 µg/mL ea:
Nitrate as N,
20 µg/mL ea:
Fluoride

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Bromide, Br	100.0 ± 0.5 µg/mL	Chloride, Cl	30.01 ± 0.13 µg/mL
Fluoride, F-	20.00 ± 0.07 µg/mL	Nitrate as N, NNO ₃ -	25.00 ± 0.10 µg/mL
Nitrite as N, NNO ₂ -	30.00 ± 0.10 µg/mL	o-Phosphate as P, PPO ₄	50.00 ± 0.18 µg/mL
Sulfate, SO ₄	150.0 ± 0.8 µg/mL		

Density: 0.999 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Br	IC Assay	3184	151130
Br	Fajans	999c	999c
Cl	IC Assay	3182	190830
Cl	Fajans	999c	999c
F-	IC Assay	3183	140203
NNO3-	IC Assay	3185	170309
NNO2-	IC Assay	Traceable to 40H	08228TH-H2
NNO2-	Calculated	40h	40h
PPO4	IC Assay	3186	170606
SO4	IC Assay	3181	080603

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{CRM/RM} = \sum(w_i)(X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{char i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{char i}^2) / (\sum(1/u_{char i}^2))$$

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k(u_{char}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum(w_i)^2(u_{char i}^2)]^{1/2}$ where $u_{char i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$$X_{CRM/RM} = (X_a)(u_{char a})$$

X_a = mean of Assay Method A with

$u_{char a}$ = the standard uncertainty of characterization Method A

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k(u_{char a}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 CHROMATOGRAM

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures [Terms and Conditions of Sale](https://www.inorganicventures.com/terms-and-conditions-sale). The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.
- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.
- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 02, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **April 02, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor



Certificate Approved By:

Thomas Kozikowski
Stock VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Ident	Instrument IC-1				Analyst: NF		Method: 300.0 / 9056A		Initial Analyst		
	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4				
STD1	0	0	0	0	0	0	0	0	IC1-032125	3/21/2025 10:45	10 NF/IZ
STD2	0.421	0.619	0.631	2.075	0.523	1.052	3.247	IC1-032125	3/21/2025 11:07	10 NF/IZ	
STD3	0.795	1.199	1.203	3.994	1.001	1.993	5.998	IC1-032125	3/21/2025 11:28	10 NF/IZ	
STD4	0.977	1.475	1.468	4.904	1.226	2.407	7.216	IC1-032125	3/21/2025 11:50	10 NF/IZ	
STD5	1.993	3.009	2.995	10.03	2.493	4.968	14.842	IC1-032125	3/21/2025 12:11	10 NF/IZ	
STD6	4.034	5.988	5.986	19.975	5.011	10.256	30.502	IC1-032125	3/21/2025 12:32	10 NF/IZ	
STD7	4.979	7.51	7.517	25.022	6.247	12.323	36.695	IC1-032125	3/21/2025 12:54	10 NF/IZ	
ICV	2.031	3.038	3.08	10.364	2.568	5.199	15.269	IC1-032125	3/21/2025 13:37	10 NF/IZ	
ICB	0	0.122	0.08	0	0	0	0	IC1-032125	3/21/2025 13:58	10 NF/IZ	
CCV	2.034	3.119	3.093	10.383	2.559	5.188	15.179	IC1-032125	4/3/2025 9:38	10 NF/IZ	
CCB	0	0	0	0	0	0	0	IC1-032125	4/3/2025 9:59	10 NF/IZ	
LB135296BSW	2.028	3.121	3.103	10.387	2.561	5.226	15.185	IC1-032125	4/3/2025 10:43	10 NF/IZ	
LB135296BLW	0	0	0	0	0	0	0	IC1-032125	4/3/2025 11:04	10 NF/IZ	
Q1711-01	0.332	26.59	0	0.215	0	2.108	10.666	IC1-032125	4/3/2025 12:29	10 NF/IZ	
Q1711-02MS	2.301	28.881	3.076	10.43	2.571	2.367	24.892	IC1-032125	4/3/2025 12:50	10 NF/IZ	
Q1711-03MSD	2.172	28.857	2.983	10.101	2.479	1.573	24.485	IC1-032125	4/3/2025 13:12	10 NF/IZ	
Q1711-04	0.275	20.1	0	0.221	0	0	4.529	IC1-032125	4/3/2025 13:55	10 NF/IZ	
Q1711-08	0	0.047	0	0	0	0	0	IC1-032125	4/3/2025 14:16	10 NF/IZ	
Q1716-01	0.433	427.687	0	0.63	0.296	0	54.697	IC1-032125	4/3/2025 14:38	10 NF/IZ	
Q1711-01DLX10	0.054	2.364	0	0	0	0	1.413	IC1-032125	4/3/2025 14:59	10 NF/IZ	
Q1711-04DLX5	0.071	3.687	0	0	0	0	1.238	IC1-032125	4/3/2025 15:21	10 NF/IZ	
CCV	2.072	3.107	3.112	10.418	2.589	5.237	15.386	IC1-032125	4/3/2025 15:43	10 NF/IZ	
CCB	0	0	0	0	0	0	0	IC1-032125	4/3/2025 17:16	10 NF/IZ	

Certificate of Analysis

Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)

Lot Number: 2504D34

Product Number: 1551

Manufacture Date: APR 03, 2025

Expiration Date: MAR 2027

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	Reagent (from ACS)

Test	Specification	Result
Appearance	Yellow liquid	Passed *Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.003	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1551-2.5	10 L Cubitainer®	24 months
1551-20	20 x 20 mL pack	24 months
1551-32	1 L natural poly	24 months
1551-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Jose Pena (04/03/2025)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G ENVIRONMENTAL
ADDRESS: 8 CARRIAGE
CITY: Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Buff
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G ENVIRONMENTAL PO#:
ADDRESS: 8 CARRIAGE
CITY: Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5/1/2001 DAYS*
HARDCOPY (DATA PACKAGE): 5/1/2001 DAYS*
EDD: 5/1/2001 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other NTP Rep
☒ EDD FORMAT hazsite excel

Solids
Na Fe / Mn
Sulfate
Alkalinity

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	MW3	GW			X 11/25/25	3:02			X		X	X					
2.	MW4	GW			X 11/25/25	3:02			X		X	X					
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: <u>1/1/25</u>	DATE/TIME: <u>1/1/25</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>1.6</u> °C
1.		1.	Comments: <u></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.
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