

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:	Q2562	OrderDate:	7/10/2025 12:19:00 PM
Client:	G Environmental	Project:	Banker
Contact:	Gary Landis	Location:	O33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2562-01	17 BANK	WATER			07/09/25			07/10/25
			Anions Group1	300.0	10:02		07/11/25 11:18	
Q2562-01DL	17 BANKDL	WATER			07/09/25			07/10/25
			Anions Group1	300.0	10:02		07/11/25 15:58	
Q2562-02	SUPPLY	WATER			07/09/25			07/10/25
			Anions Group1	300.0	15:00		07/11/25 11:40	
Q2562-02DL	SUPPLYDL	WATER			07/09/25			07/10/25
			Anions Group1	300.0	15:00		07/11/25 14:54	
Q2562-03	MW25	WATER			07/09/25			07/10/25
			Anions Group1	300.0	15:35		07/11/25 12:45	
Q2562-03DL	MW25DL	WATER			07/09/25			07/10/25
			Anions Group1	300.0	15:35		07/11/25 15:15	
Q2562-04	MW1	WATER			07/09/25			07/10/25
			Anions Group1	300.0	16:15		07/11/25 13:06	

LAB CHRONICLE

Q2562-04DL

MW1DL

WATER

07/09/25
16:15

07/10/25

Anions Group1

300.0

07/11/25
15:37



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	07/09/25 10:02
Project:	Banker	Date Received:	07/10/25
Client Sample ID:	17 BANK	SDG No.:	Q2562
Lab Sample ID:	Q2562-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	801	OR	1	0.19	0.60	mg/L		07/11/25 11:18	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	Date Collected:	07/09/25 10:02
Project:	Banker	Date Received:	07/10/25
Client Sample ID:	17 BANKDL	SDG No.:	Q2562
Lab Sample ID:	Q2562-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	522	D	200	38.0	120	mg/L		07/11/25 15:58	300.0

Comments: _____

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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	Date Collected:	07/09/25 15:00
Project:	Banker	Date Received:	07/10/25
Client Sample ID:	SUPPLY	SDG No.:	Q2562
Lab Sample ID:	Q2562-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	293	OR	1	0.19	0.60	mg/L		07/11/25 11:40	300.0

Comments: _____

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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	Date Collected:	07/09/25 15:00
Project:	Banker	Date Received:	07/10/25
Client Sample ID:	SUPPLYDL	SDG No.:	Q2562
Lab Sample ID:	Q2562-02DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	232	D	100	19.0	60.0	mg/L		07/11/25 14:54	300.0

Comments: _____

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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	Date Collected:	07/09/25 15:35
Project:	Banker	Date Received:	07/10/25
Client Sample ID:	MW25	SDG No.:	Q2562
Lab Sample ID:	Q2562-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	11000	OR	10	1.90	6.00	mg/L		07/11/25 12:45	300.0

Comments: _____

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MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

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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	Date Collected:	07/09/25 15:35
Project:	Banker	Date Received:	07/10/25
Client Sample ID:	MW25DL	SDG No.:	Q2562
Lab Sample ID:	Q2562-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	7360	D	2000	380	1200	mg/L		07/11/25 15:15	300.0

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

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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	Date Collected:	07/09/25 16:15
Project:	Banker	Date Received:	07/10/25
Client Sample ID:	MW1	SDG No.:	Q2562
Lab Sample ID:	Q2562-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	1110	OR	1	0.19	0.60	mg/L		07/11/25 13:06	300.0

Comments:

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LOD = Limit of Detection

D = Dilution

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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	Date Collected:	07/09/25 16:15
Project:	Banker	Date Received:	07/10/25
Client Sample ID:	MW1DL	SDG No.:	Q2562
Lab Sample ID:	Q2562-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	735	D	200	38.0	120	mg/L		07/11/25 15:37	300.0

Comments: _____

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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

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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.: Q2562

Project: Banker

RunNo.: LB136460

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	9.7	10	97	90-110	06/23/2025
Chloride	mg/L	2.9	3	97	90-110	06/23/2025
Fluoride	mg/L	2	2	100	90-110	06/23/2025
Nitrite	mg/L	2.9	3	97	90-110	06/23/2025
Nitrate	mg/L	2.4	2.5	96	90-110	06/23/2025
Sulfate	mg/L	14.3	15	95	90-110	06/23/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	06/23/2025
Sample ID: CCV1						
Bromide	mg/L	9.8	10	98	90-110	07/11/2025
Chloride	mg/L	2.9	3	97	90-110	07/11/2025
Fluoride	mg/L	2	2	100	90-110	07/11/2025
Nitrite	mg/L	2.9	3	97	90-110	07/11/2025
Nitrate	mg/L	2.4	2.5	96	90-110	07/11/2025
Sulfate	mg/L	14.6	15	97	90-110	07/11/2025
Orthophosphate as P	mg/L	4.5	5	90	90-110	07/11/2025
Sample ID: CCV2						
Bromide	mg/L	9.7	10	97	90-110	07/11/2025
Chloride	mg/L	3.2	3	107	90-110	07/11/2025
Fluoride	mg/L	2	2	100	90-110	07/11/2025
Nitrite	mg/L	2.9	3	97	90-110	07/11/2025
Nitrate	mg/L	2.3	2.5	92	90-110	07/11/2025
Sulfate	mg/L	14.6	15	97	90-110	07/11/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	07/11/2025
Sample ID: CCV3						
Bromide	mg/L	9.7	10	97	90-110	07/11/2025
Chloride	mg/L	3.2	3	107	90-110	07/11/2025
Fluoride	mg/L	2	2	100	90-110	07/11/2025
Nitrite	mg/L	2.9	3	97	90-110	07/11/2025
Nitrate	mg/L	2.3	2.5	92	90-110	07/11/2025
Sulfate	mg/L	14.6	15	97	90-110	07/11/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	07/11/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q2562

Project: Banker

RunNo.: LB136460

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	06/23/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/23/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/23/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/23/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/23/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/23/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/23/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	07/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	07/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	07/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	07/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	07/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	07/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	07/11/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	07/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	07/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	07/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	07/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	07/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	07/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	07/11/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	07/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	07/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	07/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	07/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	07/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	07/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	07/11/2025

Preparation Blank Summary

Client: G Environmental

SDG No.: Q2562

Project: Banker

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136460BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	07/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	07/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	07/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	07/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	07/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	07/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	07/11/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q2562
Project:	Banker	Sample ID:	Q2562-02
Client ID:	SUPPLYMS	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	9.60	OR	0.37	U	10	1	96		07/11/2025
Chloride	mg/L	80-120	282		293	OR	3	1	-367	*	07/11/2025
Fluoride	mg/L	80-120	2.20		0.24	J	2	1	98		07/11/2025
Nitrite	mg/L	80-120	2.80		0.074	U	3	1	93		07/11/2025
Nitrate	mg/L	80-120	3.70		1.40		2.5	1	92		07/11/2025
Sulfate	mg/L	80-120	36.7		23.1		15	1	91		07/11/2025
Orthophosphate as P	mg/L	80-120	4.80		0.34	U	5	1	96		07/11/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q2562
Project:	Banker	Sample ID:	Q2562-02
Client ID:	SUPPLYMSD	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	10.1	OR	0.37	U	10	1	101		07/11/2025
Chloride	mg/L	80-120	282		293	OR	3	1	-367	*	07/11/2025
Fluoride	mg/L	80-120	2.20		0.24	J	2	1	98		07/11/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		07/11/2025
Nitrate	mg/L	80-120	3.80		1.40		2.5	1	96		07/11/2025
Sulfate	mg/L	80-120	37.5		23.1		15	1	96		07/11/2025
Orthophosphate as P	mg/L	80-120	4.70		0.34	U	5	1	94		07/11/2025

Duplicate Sample Summary

Client: G Environmental Project: Banker Client ID: SUPPLYMSD	SDG No.: Q2562 Sample ID: Q2562-02 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Fluoride	mg/L	+/-20	2.20	OR	2.20	OR	1	0		07/11/2025
Chloride	mg/L	+/-20	282		282		1	0		07/11/2025
Orthophosphate as P	mg/L	+/-20	4.80		4.70		1	2		07/11/2025
Sulfate	mg/L	+/-20	36.7		37.5		1	2		07/11/2025
Nitrate	mg/L	+/-20	3.70		3.80		1	3		07/11/2025
Bromide	mg/L	+/-20	9.60		10.1		1	5		07/11/2025
Nitrite	mg/L	+/-20	2.80		3.00		1	7		07/11/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q2562

Project: Banker

Run No.: LB136460

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136460BSW							
Bromide	mg/L	10	9.80		98	1	90-110	07/11/2025
Chloride	mg/L	3	2.90		97	1	90-110	07/11/2025
Fluoride	mg/L	2	2.00		100	1	90-110	07/11/2025
Nitrite	mg/L	3	2.90		97	1	90-110	07/11/2025
Nitrate	mg/L	2.5	2.40		96	1	90-110	07/11/2025
Sulfate	mg/L	15	14.6		97	1	90-110	07/11/2025
Orthophosphate as P	mg/L	5	5.00		100	1	90-110	07/11/2025



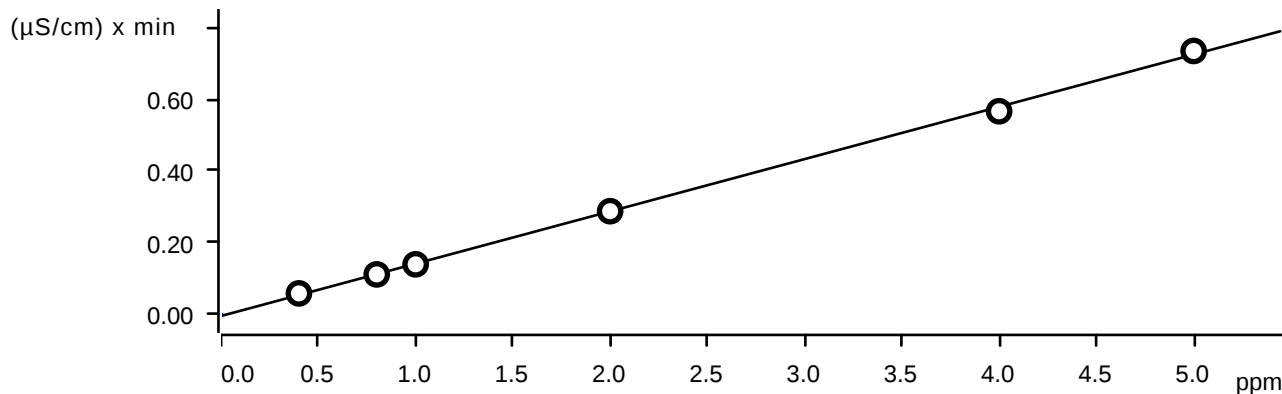
RAW DATA

Ident	Instrument IC-1				Analyst: NF	Method: 300.0 / 9056A	Initial w Analyst
	Con F-	Con CL-	Con NO2	Con BR-			
STD1	0	0	0	0	0	0	0
STD2	0.431	0.634	0.643	2.127	0.534	1.052	0 IC1-062325 6/23/2025 15:17 10 RM/IZ
STD3	0.795	1.195	1.199	3.978	0.997	1.935	3.234 IC1-062325 6/23/2025 15:38 10 RM/IZ
STD4	0.988	1.476	1.47	4.916	1.23	2.551	6.037 IC1-062325 6/23/2025 16:00 10 RM/IZ
STD5	2.004	3.017	3.004	10.045	2.505	5.076	7.422 IC1-062325 6/23/2025 16:21 10 RM/IZ
STD6	3.915	5.912	5.914	19.709	4.925	9.602	14.865 IC1-062325 6/23/2025 16:43 10 RM/IZ
STD7	5.068	7.566	7.57	25.225	6.31	12.784	29.454 IC1-062325 6/23/2025 17:04 10 RM/IZ
ICV	1.966	2.881	2.907	9.725	2.361	4.906	37.488 IC1-062325 6/23/2025 17:25 10 RM/IZ
ICB	0	0	0	0	0	0	14.334 IC1-062325 6/23/2025 17:47 10 RM/IZ
CCV	1.957	2.919	2.917	9.787	2.367	4.544	0 IC1-062325 6/23/2025 18:08 10 RM/IZ
CCB	0	0	0	0	0	0	14.624 IC1-062325 7/11/2025 9:09 10 RM/IZ
LB136460BLW	0	0	0	0	0	0	0 IC1-062325 7/11/2025 9:52 10 RM/IZ
LB136460BSW	1.977	2.908	2.919	9.789	2.371	5.007	0 IC1-062325 7/11/2025 10:14 10 RM/IZ
Q2565-01	0.57	179.763	0.943	2.008	0.067	2.853	14.616 IC1-062325 7/11/2025 10:35 10 RM/IZ
Q2562-01	0.182	800.752	0	0	4.968	0.158	10.076 IC1-062325 7/11/2025 10:57 10 RM/IZ
Q2562-02	0.241	293.005	0	0.233	1.389	0	22.805 IC1-062325 7/11/2025 11:18 10 RM/IZ
Q2562-02MS	2.187	282.471	2.831	9.609	3.66	4.76	23.095 IC1-062325 7/11/2025 11:40 10 RM/IZ
Q2562-02MSD	2.234	281.879	2.972	10.081	3.773	4.736	36.72 IC1-062325 7/11/2025 12:01 10 RM/IZ
Q2562-03X10	0.061	1098.24	0	0	0	0	37.457 IC1-062325 7/11/2025 12:23 10 RM/IZ
Q2562-04	0.163	1113.513	0	0.236	0.069	0	28.132 IC1-062325 7/11/2025 12:45 10 RM/IZ
CCV	1.956	3.155	2.891	9.672	2.347	4.89	24.227 IC1-062325 7/11/2025 13:06 10 RM/IZ
CCB	0	0	0	0	0	0	14.618 IC1-062325 7/11/2025 14:11 10 RM/IZ
Q2562-02DLX100	0	2.32	0	0	0	0	0 IC1-062325 7/11/2025 14:32 10 RM/IZ
Q2562-03DLX2000	0	3.68	0	0	0	0	0.974 IC1-062325 7/11/2025 14:54 10 RM/IZ
Q2562-04DLX200	0	3.675	0	0	0	0	0.584 IC1-062325 7/11/2025 15:15 10 RM/IZ
Q2562-01DLX200	0	2.609	0	0	0.067	0	0.574 IC1-062325 7/11/2025 15:37 10 RM/IZ
CCV	1.957	3.155	2.89	9.673	2.346	4.878	0.544 IC1-062325 7/11/2025 15:58 10 RM/IZ
CCB	0	0	0	0	0	0	14.611 IC1-062325 7/11/2025 16:20 10 RM/IZ
							0 IC1-062325 7/11/2025 16:41 10 RM/IZ

Clear table

Instrument ID: IC-2 Analyst : Method: 300.0 / 9056A									
IZ									
concentratio on NO2 concentrati on NO3 concentratio n HPO4 concentrati on SO4									
file name									
ident	concentrat ion F-	concentratio n CL-	concentratio on NO2	concentrati on BR-	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	0.0000	0.0000
STD2	0.4310	0.6340	0.6430	2.1270	0.5340	1.0520	0.5340	1.0520	3.2340
STD3	0.7950	1.1950	1.1990	3.9780	0.9970	1.9350	0.9970	1.9350	6.0370
STD4	0.9880	1.4760	1.4700	4.9160	1.2300	2.5510	1.2300	2.5510	7.4220
STD5	2.0040	3.0170	3.0040	10.0450	2.5050	5.0760	2.5050	5.0760	14.8650
STD6	3.9150	5.9120	5.9140	19.7090	4.9250	9.6020	4.9250	9.6020	29.4540
STD7	5.0680	7.5660	7.5700	25.2250	6.3100	12.7840	6.3100	12.7840	37.4880
IC1-062325									
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Fluoride (Anions)



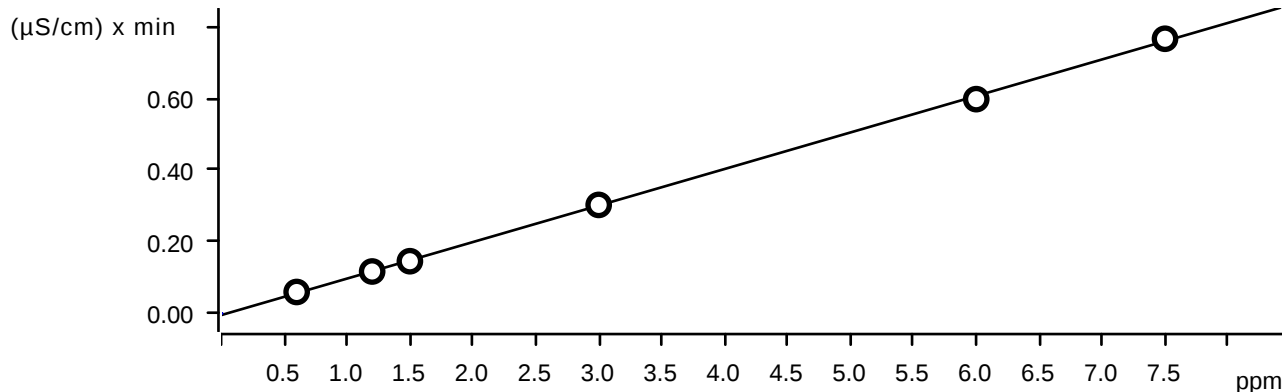
Function: $A = -4.55276E-3 + 0.0145788 \times Q$

Relative standard deviation 2.633289 %

Correlation coefficient 0.999633

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	2025-06-23 15:17:36 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.058	STD2	2025-06-23 15:38:59 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.111	STD3	2025-06-23 16:00:23 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.139	STD4	2025-06-23 16:21:47 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.288	STD5	2025-06-23 16:43:01 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.566	STD6	2025-06-23 17:04:27 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.734	STD7	2025-06-23 17:25:53 UTC-4	used

Chloride (Anions)



Function: $A = -4.66825E-3 + 0.0101843 \times Q$

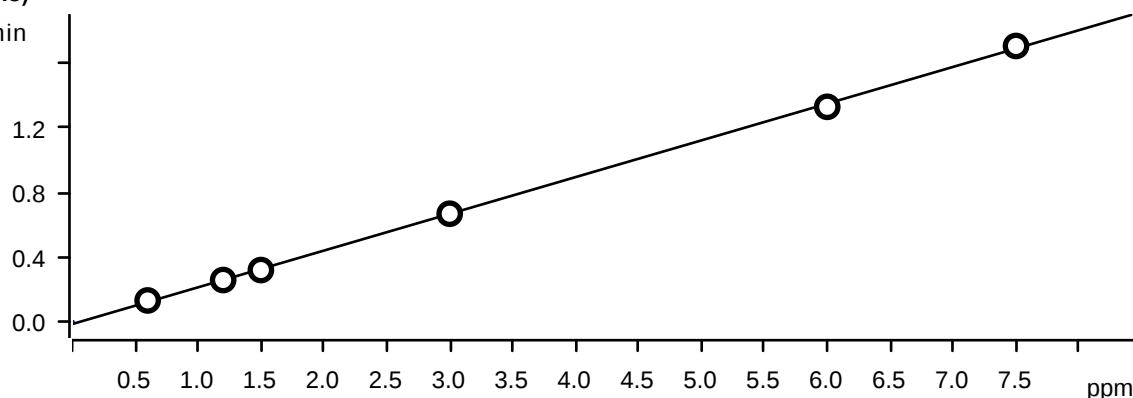
Relative standard deviation 1.824872 %

Correlation coefficient 0.999824

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	2025-06-23 15:17:36 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.060	STD2	2025-06-23 15:38:59 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.117	STD3	2025-06-23 16:00:23 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.146	STD4	2025-06-23 16:21:47 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.303	STD5	2025-06-23 16:43:01 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.597	STD6	2025-06-23 17:04:27 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.766	STD7	2025-06-23 17:25:53 UTC-4	used

Nitrite (Anions)

(μS/cm) x min

Function: $A = -0.0166933 + 0.0227623 \times Q$

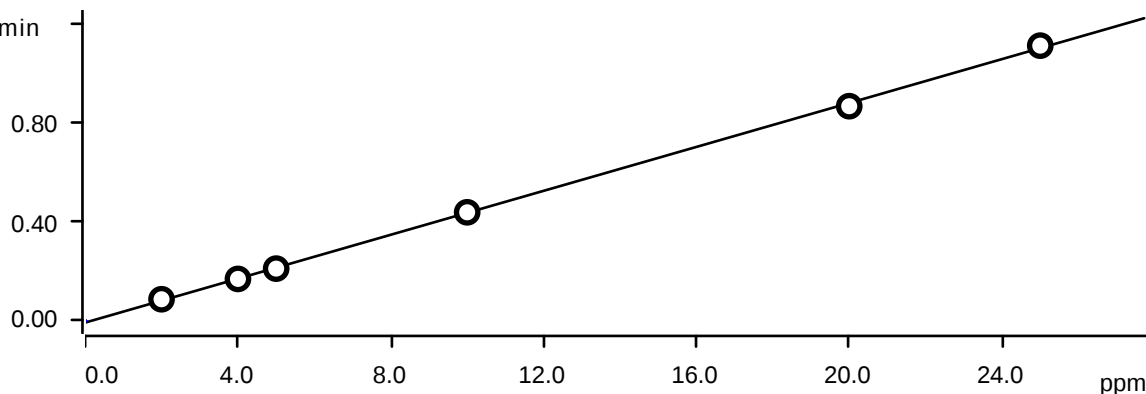
Relative standard deviation 1.905382 %

Correlation coefficient 0.999811

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	2025-06-23 15:17:36 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2025-06-23 15:38:59 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.256	STD3	2025-06-23 16:00:23 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.318	STD4	2025-06-23 16:21:47 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.667	STD5	2025-06-23 16:43:01 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.329	STD6	2025-06-23 17:04:27 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.706	STD7	2025-06-23 17:25:53 UTC-4	used

Bromide (Anions)

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



Function: $A = -7.05131E-3 + 4.42168E-3 \times Q$

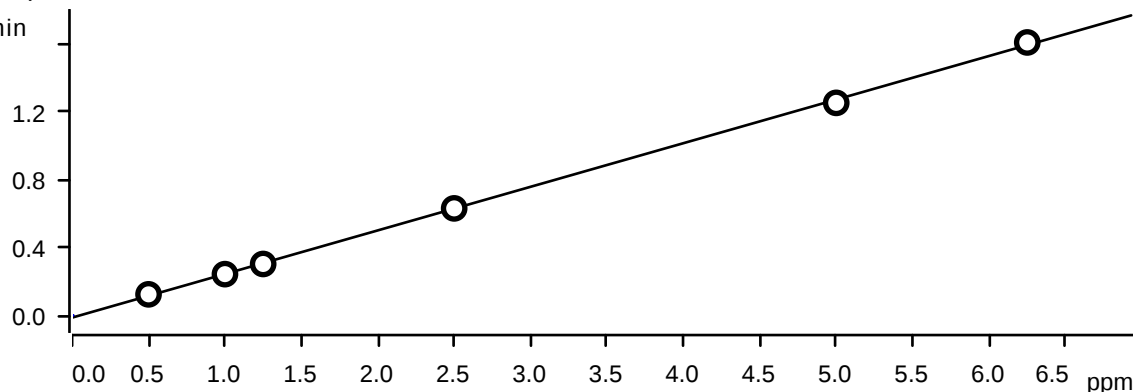
Relative standard deviation 1.851347 %

Correlation coefficient 0.999819

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	2025-06-23 15:17:36 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.087	STD2	2025-06-23 15:38:59 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.169	STD3	2025-06-23 16:00:23 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.210	STD4	2025-06-23 16:21:47 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.437	STD5	2025-06-23 16:43:01 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.864	STD6	2025-06-23 17:04:27 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.108	STD7	2025-06-23 17:25:53 UTC-4	used

Nitrate (Anions)

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

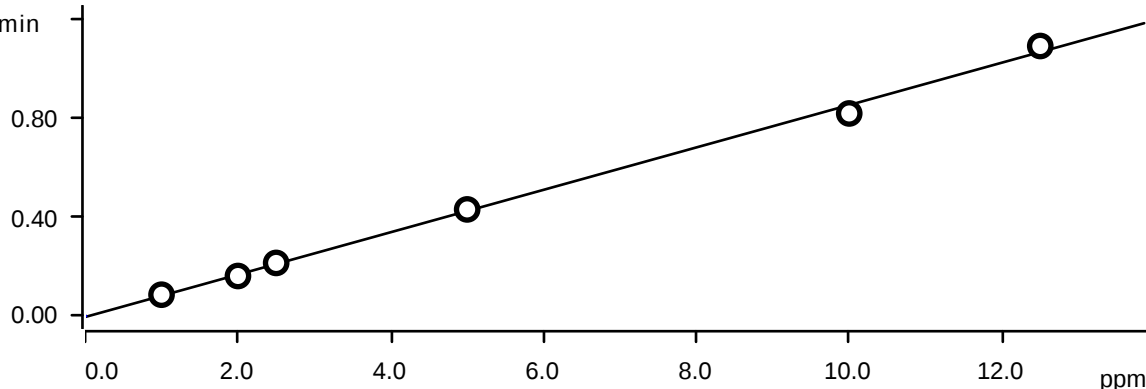


Function: $A = -0.0130270 + 0.0256654 \times Q$

Relative standard deviation 1.929849 %

Correlation coefficient 0.999804

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	2025-06-23 15:17:36 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2025-06-23 15:38:59 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.243	STD3	2025-06-23 16:00:23 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.303	STD4	2025-06-23 16:21:47 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.630	STD5	2025-06-23 16:43:01 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.251	STD6	2025-06-23 17:04:27 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.606	STD7	2025-06-23 17:25:53 UTC-4	used

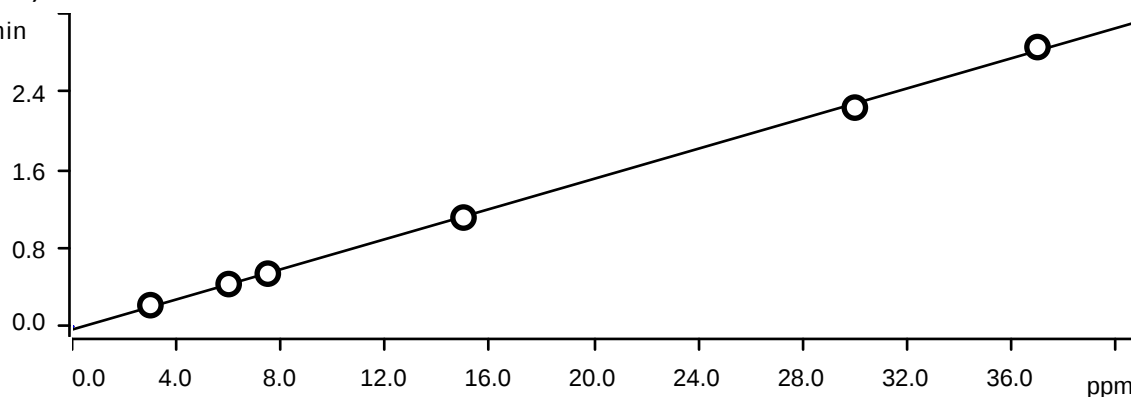
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -3.61656E-3 + 8.53718E-3 \times Q$

Relative standard deviation 4.618615 %

Correlation coefficient 0.998857

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	2025-06-23 15:17:36 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.086	STD2	2025-06-23 15:38:59 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.162	STD3	2025-06-23 16:00:23 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.214	STD4	2025-06-23 16:21:47 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.430	STD5	2025-06-23 16:43:01 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.816	STD6	2025-06-23 17:04:27 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.088	STD7	2025-06-23 17:25:53 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0315238 + 7.70359E-3 \times Q$

Relative standard deviation 2.454303 %

Correlation coefficient 0.999685

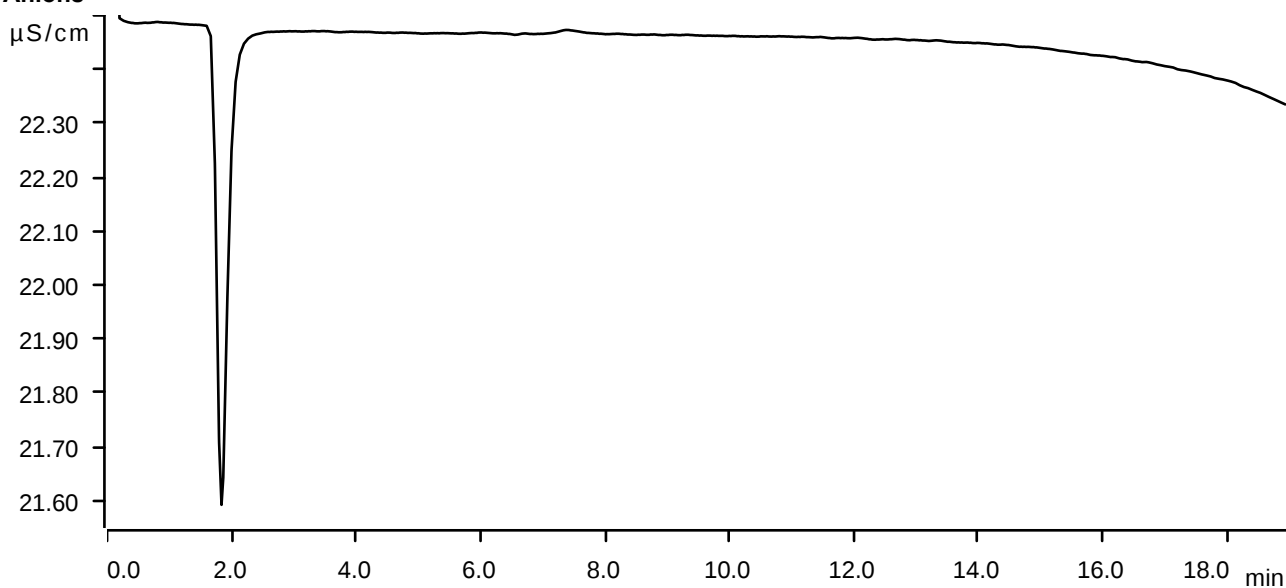
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-06-23 15:17:36 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.218	STD2	2025-06-23 15:38:59 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.434	STD3	2025-06-23 16:00:23 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.540	STD4	2025-06-23 16:21:47 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.114	STD5	2025-06-23 16:43:01 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.237	STD6	2025-06-23 17:04:27 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.856	STD7	2025-06-23 17:25:53 UTC-4	used

Sample data

Ident STD1
Sample type Standard 1
Determination start 2025-06-23 15:17:36 UTC-4
Method IC1-062325
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 11.71 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

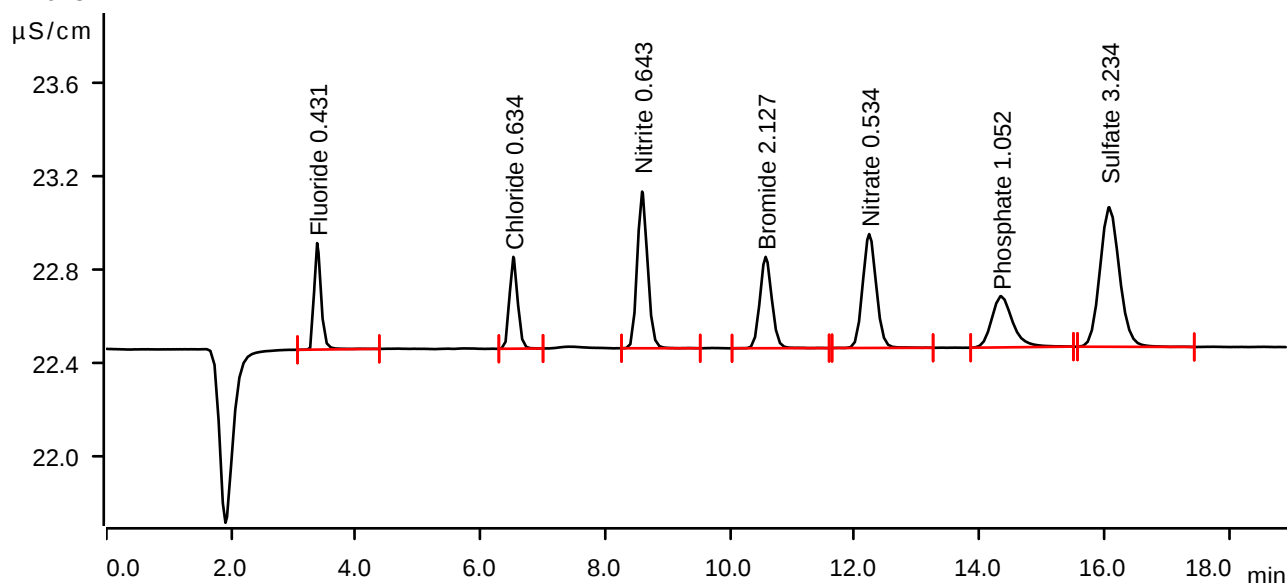
Sample data

Ident STD2
Sample type Standard 2
Determination start 2025-06-23 15:38:59 UTC-4
Method IC1-062325
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 11.54 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	3.380	0.0584	0.457	0.431	Fluoride
2	6.525	0.0599	0.394	0.634	Chloride
3	8.590	0.1297	0.673	0.643	Nitrite
4	10.570	0.0870	0.392	2.127	Bromide
5	12.230	0.1239	0.489	0.534	Nitrate
6	14.343	0.0862	0.220	1.052	Phosphate
7	16.078	0.2176	0.600	3.234	Sulfate

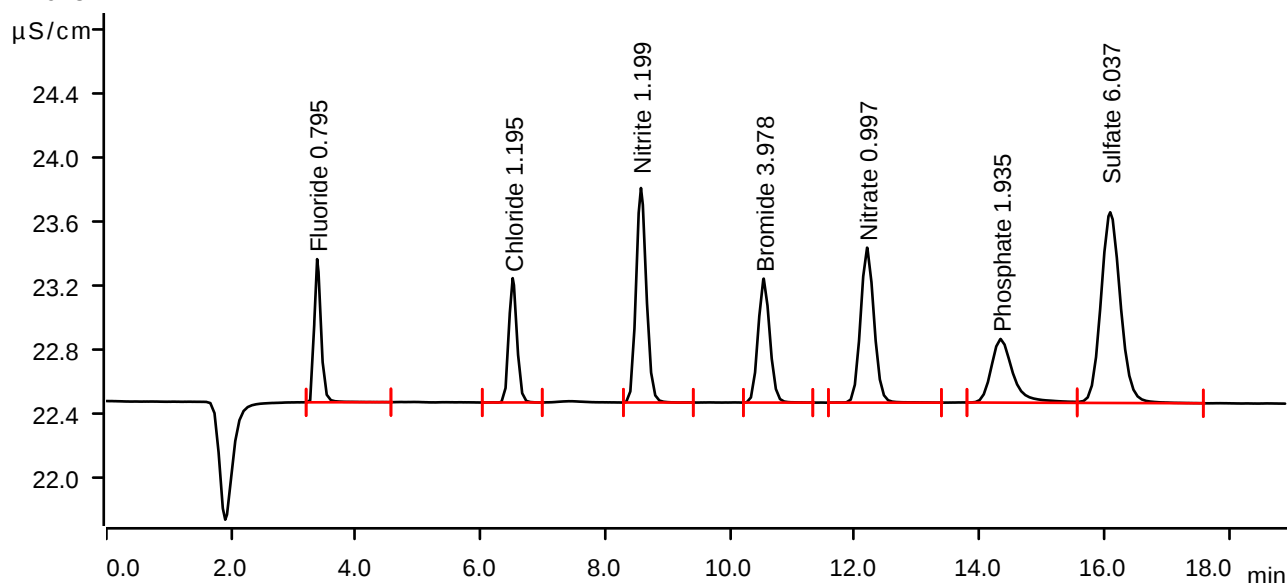
Sample data

Ident STD3
Sample type Standard 3
Determination start 2025-06-23 16:00:23 UTC-4
Method IC1-062325
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 11.43 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	3.380	0.1114	0.894	0.795	Fluoride
2	6.515	0.1170	0.776	1.195	Chloride
3	8.572	0.2561	1.340	1.199	Nitrite
4	10.540	0.1688	0.774	3.978	Bromide
5	12.197	0.2428	0.968	0.997	Nitrate
6	14.338	0.1616	0.398	1.935	Phosphate
7	16.095	0.4335	1.191	6.037	Sulfate

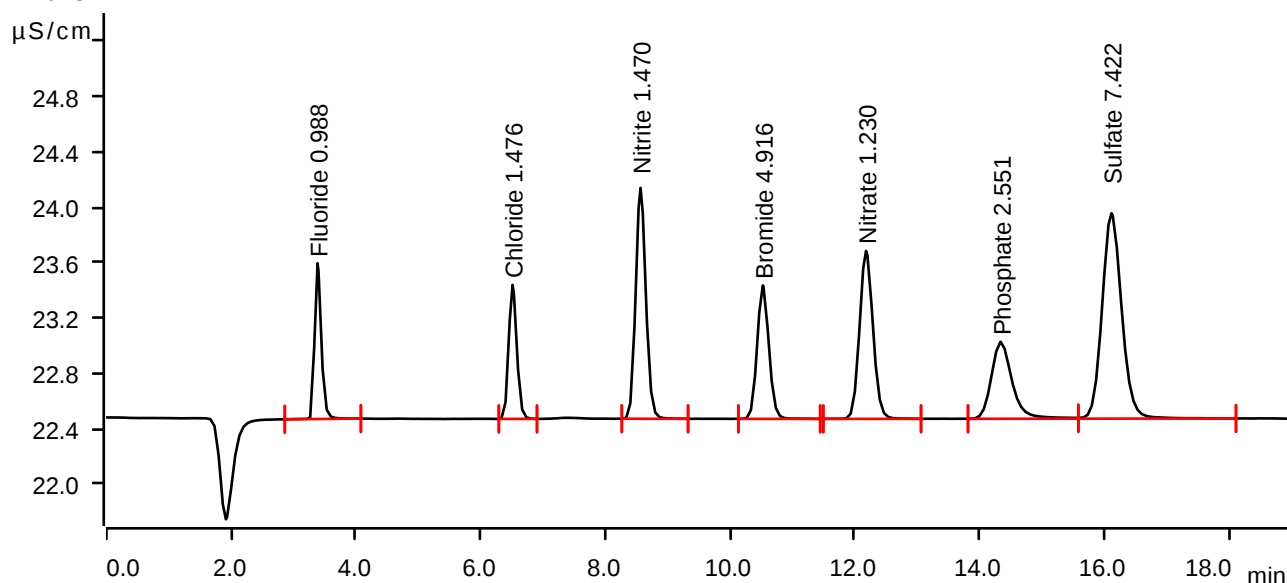
Sample data

Ident STD4
Sample type Standard 4
Determination start 2025-06-23 16:21:47 UTC-4
Method IC1-062325
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 11.37 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	3.387	0.1394	1.124	0.988	Fluoride
2	6.513	0.1456	0.968	1.476	Chloride
3	8.565	0.3180	1.668	1.470	Nitrite
4	10.525	0.2103	0.964	4.916	Bromide
5	12.180	0.3026	1.213	1.230	Nitrate
6	14.340	0.2142	0.555	2.551	Phosphate
7	16.115	0.5402	1.484	7.422	Sulfate

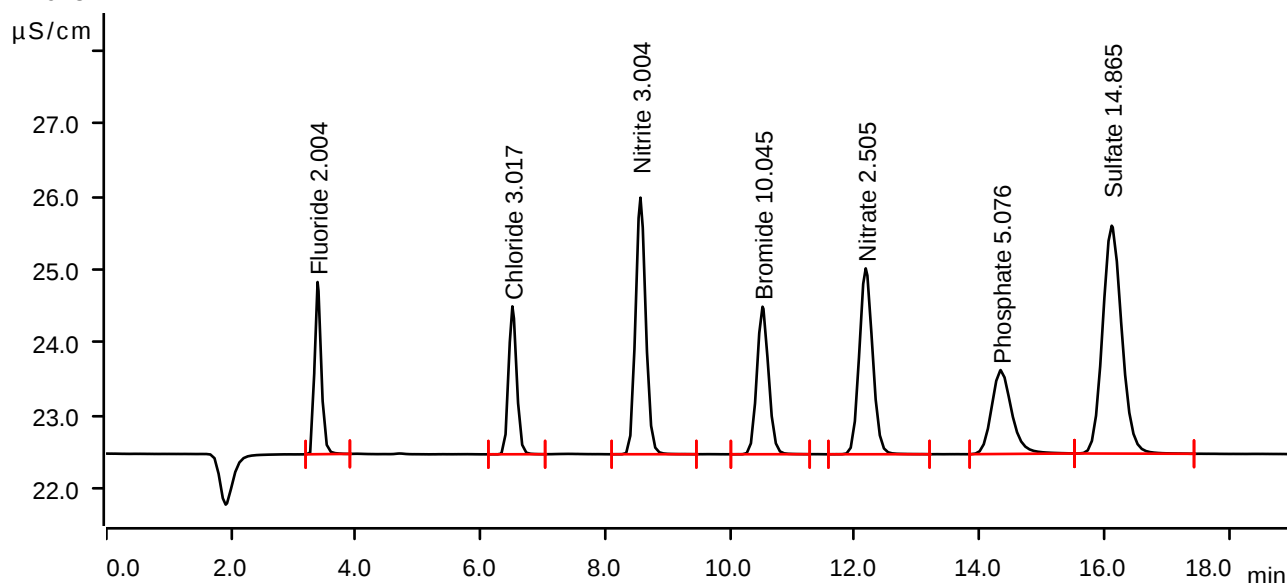
Sample data

Ident STD5
Sample type Standard 5
Determination start 2025-06-23 16:43:01 UTC-4
Method IC1-062325
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 11.43 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	3.387	0.2876	2.353	2.004	Fluoride
2	6.510	0.3026	2.021	3.017	Chloride
3	8.563	0.6671	3.507	3.004	Nitrite
4	10.520	0.4371	2.016	10.045	Bromide
5	12.175	0.6299	2.540	2.505	Nitrate
6	14.338	0.4297	1.146	5.076	Phosphate
7	16.118	1.1136	3.114	14.865	Sulfate

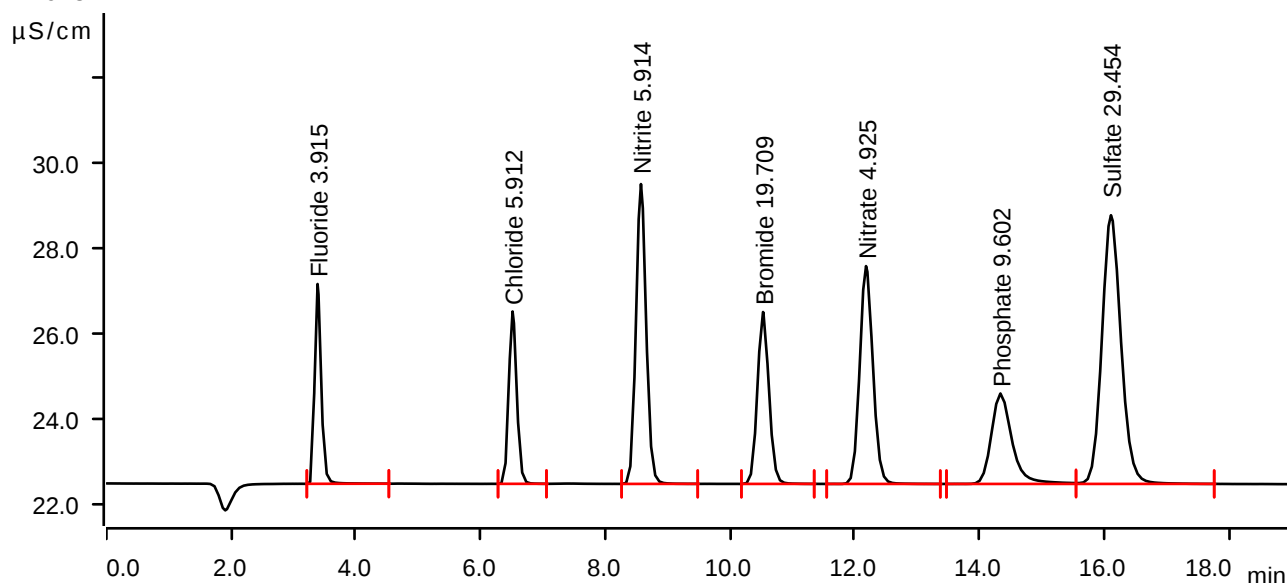
Sample data

Ident STD6
Sample type Standard 6
Determination start 2025-06-23 17:04:27 UTC-4
Method IC1-062325
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 11.37 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	3.387	0.5661	4.679	3.915	Fluoride
2	6.513	0.5975	4.037	5.912	Chloride
3	8.572	1.3294	7.024	5.914	Nitrite
4	10.528	0.8644	4.027	19.709	Bromide
5	12.180	1.2509	5.103	4.925	Nitrate
6	14.335	0.8161	2.118	9.602	Phosphate
7	16.107	2.2375	6.295	29.454	Sulfate

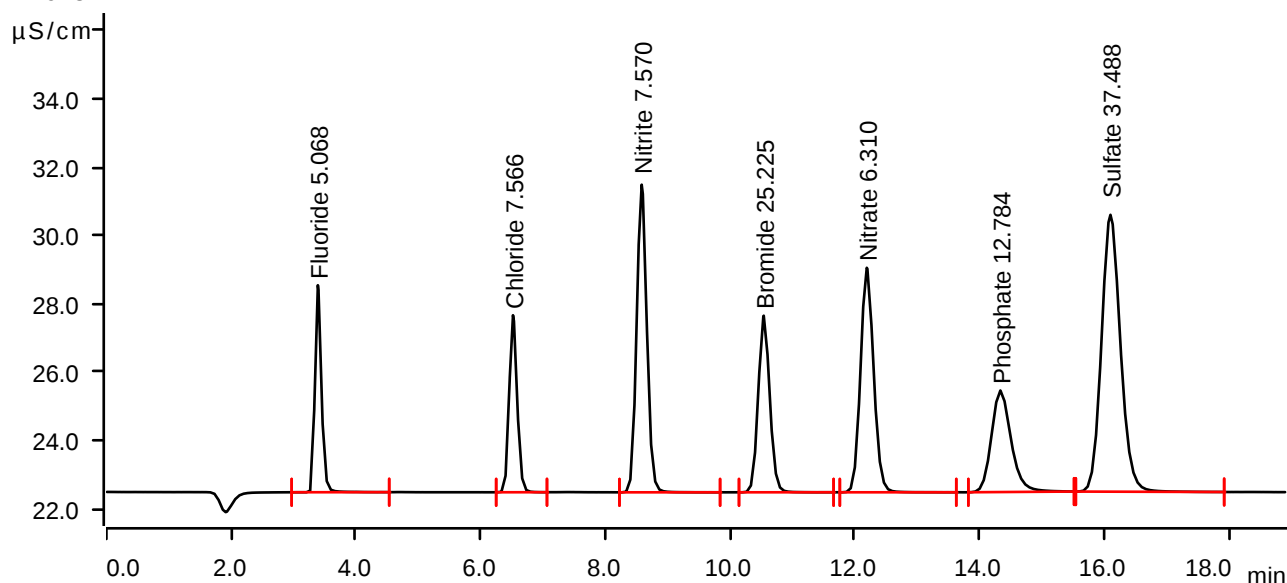
Sample data

Ident STD7
Sample type Standard 7
Determination start 2025-06-23 17:25:53 UTC-4
Method IC1-062325
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 11.37 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.392	0.7342	6.060	5.068	Fluoride
2	6.520	0.7659	5.183	7.566	Chloride
3	8.583	1.7064	9.009	7.570	Nitrite
4	10.540	1.1083	5.172	25.225	Bromide
5	12.192	1.6065	6.575	6.310	Nitrate
6	14.333	1.0878	2.972	12.784	Phosphate
7	16.098	2.8564	8.108	37.488	Sulfate

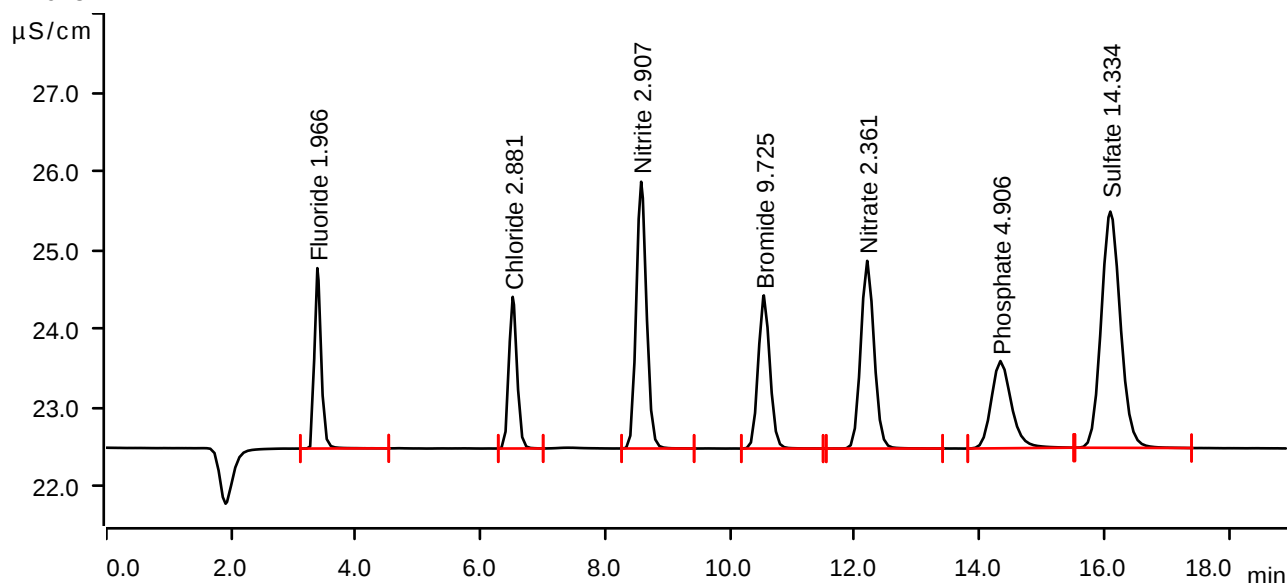
Sample data

Ident ICV
Sample type Check standard 1
Determination start 2025-06-23 17:47:21 UTC-4
Method IC1-062325
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 11.43 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



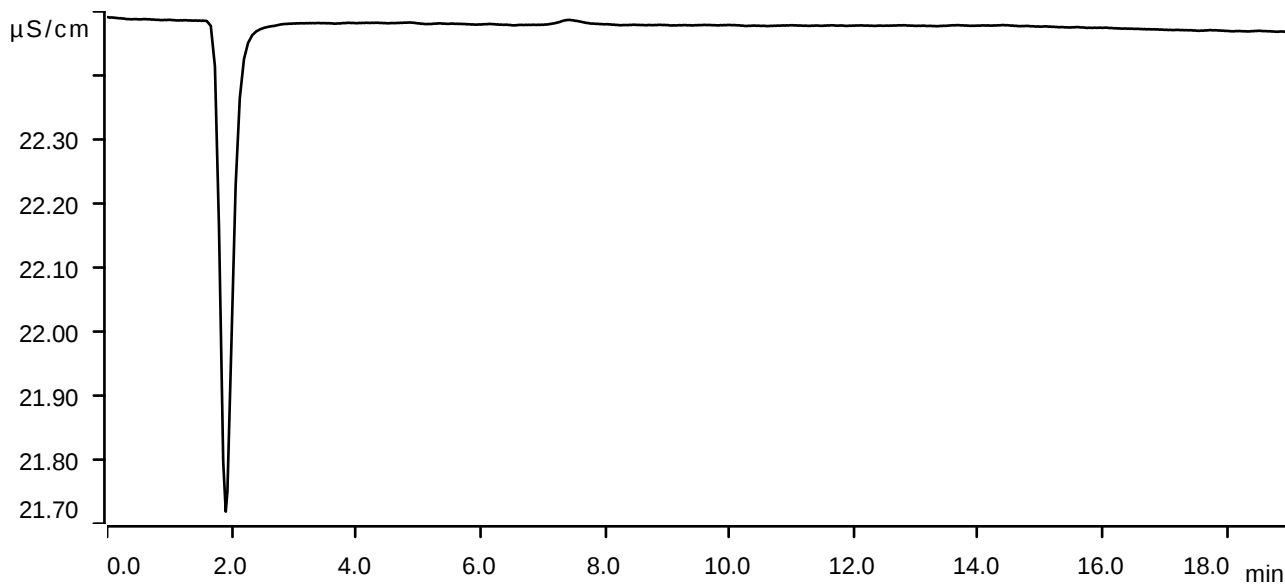
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.383	0.2821	2.288	1.966	Fluoride
2	6.515	0.2887	1.924	2.881	Chloride
3	8.575	0.6450	3.385	2.907	Nitrite
4	10.542	0.4229	1.943	9.725	Bromide
5	12.198	0.5928	2.382	2.361	Nitrate
6	14.335	0.4152	1.107	4.906	Phosphate
7	16.097	1.0727	2.998	14.334	Sulfate

Sample data

Ident ICB
Sample type Sample
Determination start 2025-06-23 18:08:49 UTC-4
Method IC1-062325
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 11.49 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

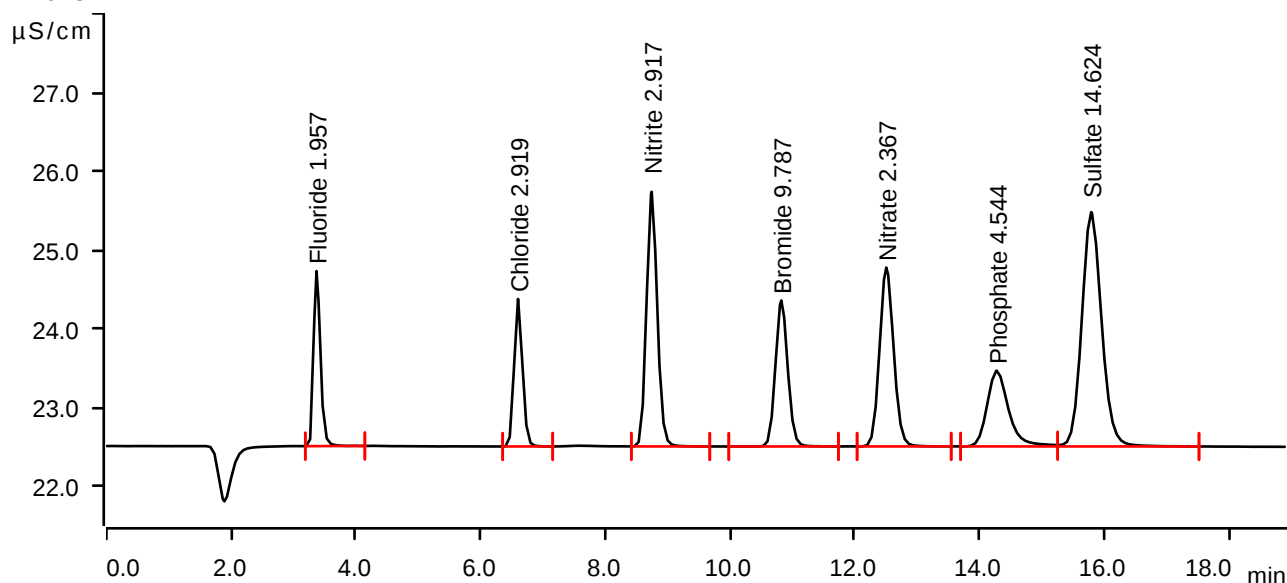
Sample data

Ident CCV
 Sample type Check standard 1
 Determination start 2025-07-11 09:09:34 UTC-4
 Method IC1-062325
 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



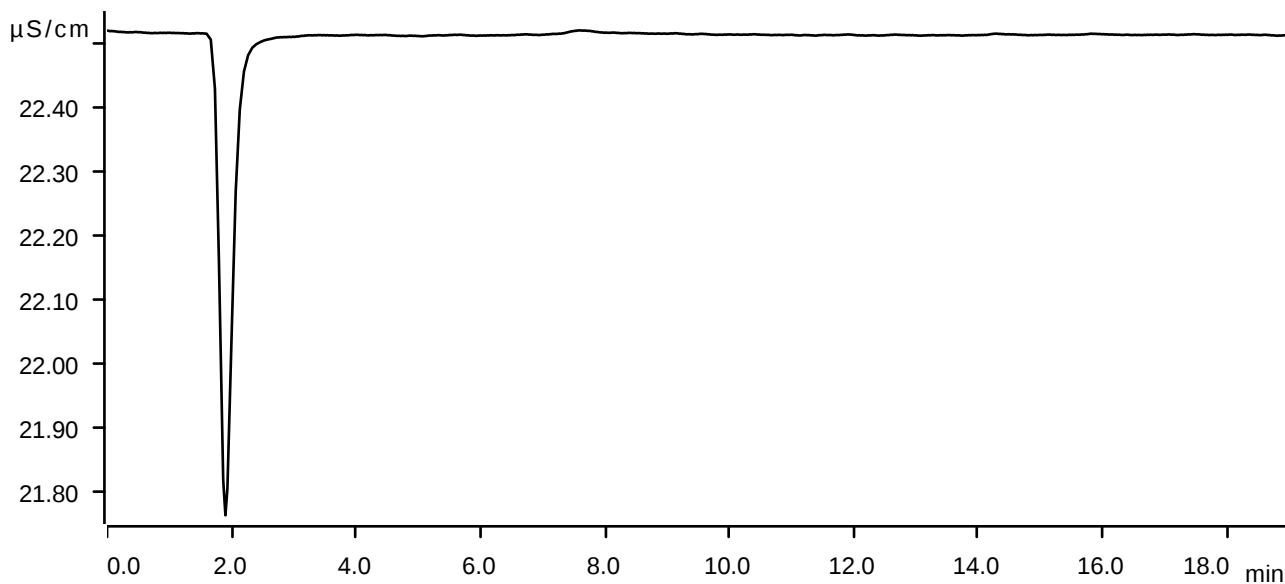
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.370	0.2808	2.221	1.957	Fluoride
2	6.602	0.2926	1.871	2.919	Chloride
3	8.743	0.6472	3.232	2.917	Nitrite
4	10.822	0.4257	1.853	9.787	Bromide
5	12.505	0.5945	2.270	2.367	Nitrate
6	14.275	0.3843	0.961	4.544	Phosphate
7	15.790	1.0951	2.974	14.624	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-07-11 09:52:35 UTC-4
Method IC1-062325
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

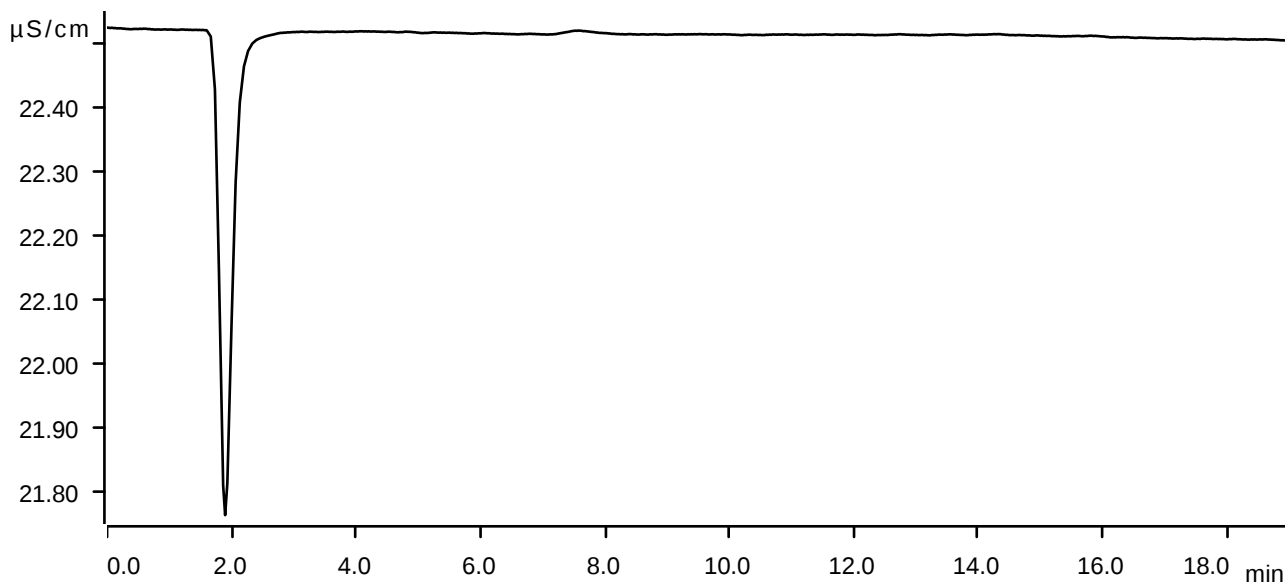
Anions

Sample data

Ident LB136460BLW
Sample type Sample
Determination start 2025-07-11 10:14:06 UTC-4
Method IC1-062325
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

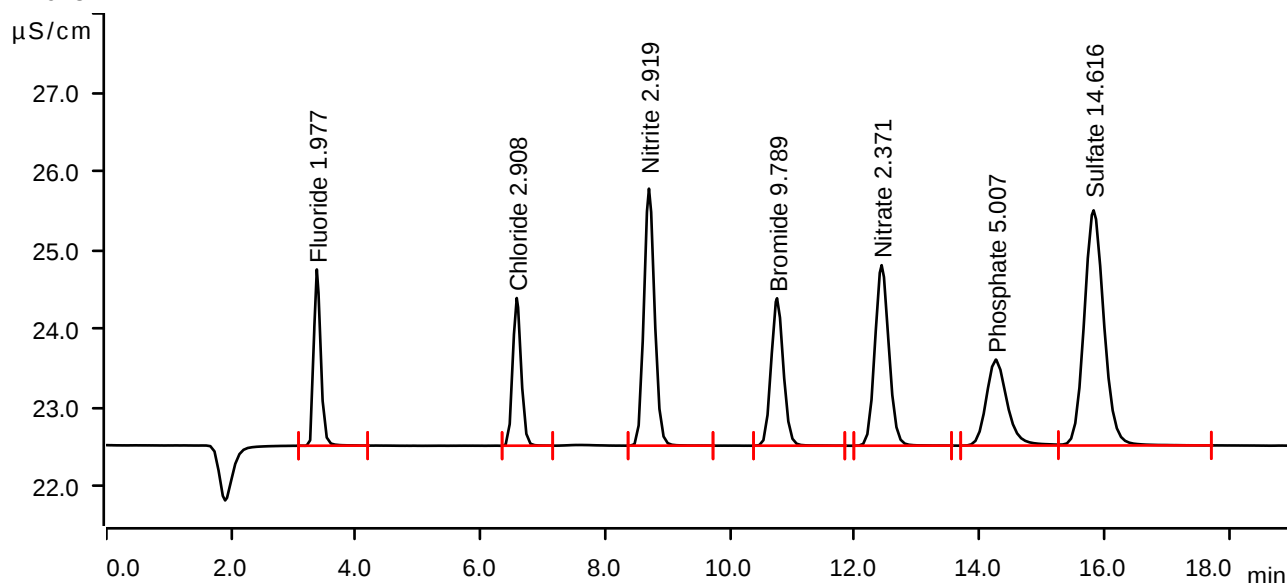
Sample data

Ident LB136460BSW
Sample type Check standard 1
Determination start 2025-07-11 10:35:36 UTC-4
Method IC1-062325
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



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.375	0.2836	2.236	1.977	Fluoride
2	6.580	0.2915	1.874	2.908	Chloride
3	8.700	0.6478	3.261	2.919	Nitrite
4	10.753	0.4258	1.871	9.789	Bromide
5	12.430	0.5956	2.291	2.371	Nitrate
6	14.260	0.4239	1.091	5.007	Phosphate
7	15.828	1.0944	2.984	14.616	Sulfate

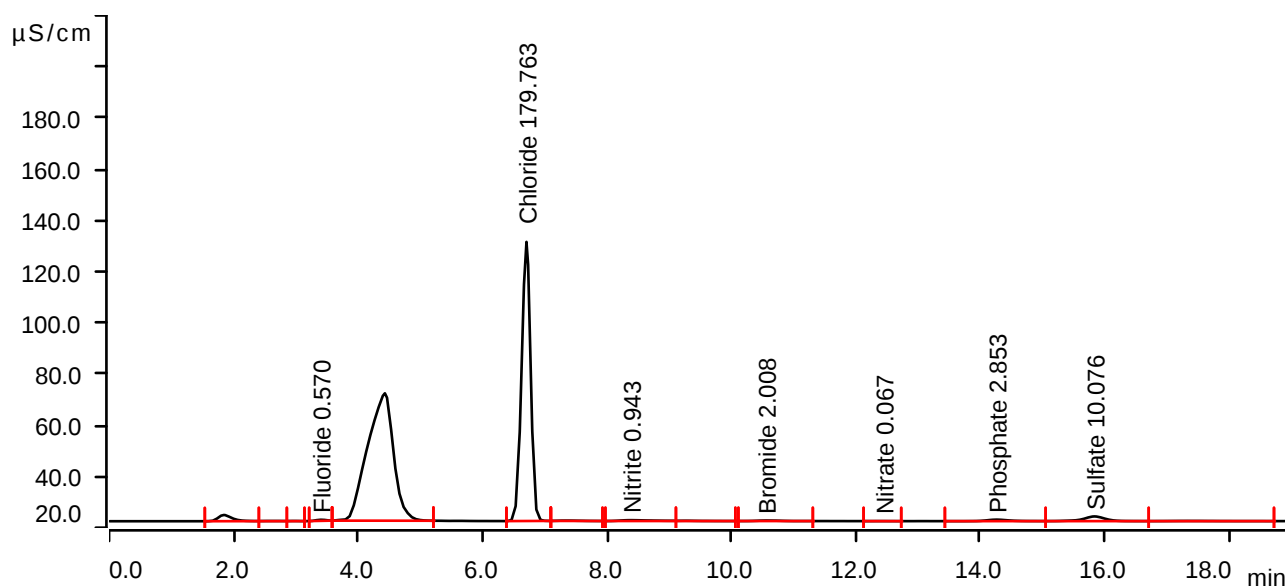
Sample data

Ident Q2565-01
Sample type Sample
Determination start 2025-07-11 10:57:09 UTC-4
Method IC1-062325
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 12.16 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	1.847	0.6302	2.424	invalid	
2	2.633	0.0243	0.066	invalid	
3	2.982	0.0103	0.057	invalid	
4	3.410	0.0786	0.417	0.570	Fluoride
5	4.433	23.9798	49.742	invalid	
6	6.708	18.3029	108.983	179.763	Chloride
7	7.353	0.0529	0.132	invalid	
8	8.383	0.1980	0.326	0.943	Nitrite
9	9.278	0.0432	0.116	invalid	
10	10.553	0.0817	0.198	2.008	Bromide
11	12.418	0.0041	0.017	0.067	Nitrate
12	14.262	0.2400	0.579	2.853	Phosphate
13	15.835	0.7447	1.836	10.076	Sulfate
14	17.330	0.0617	0.070	invalid	

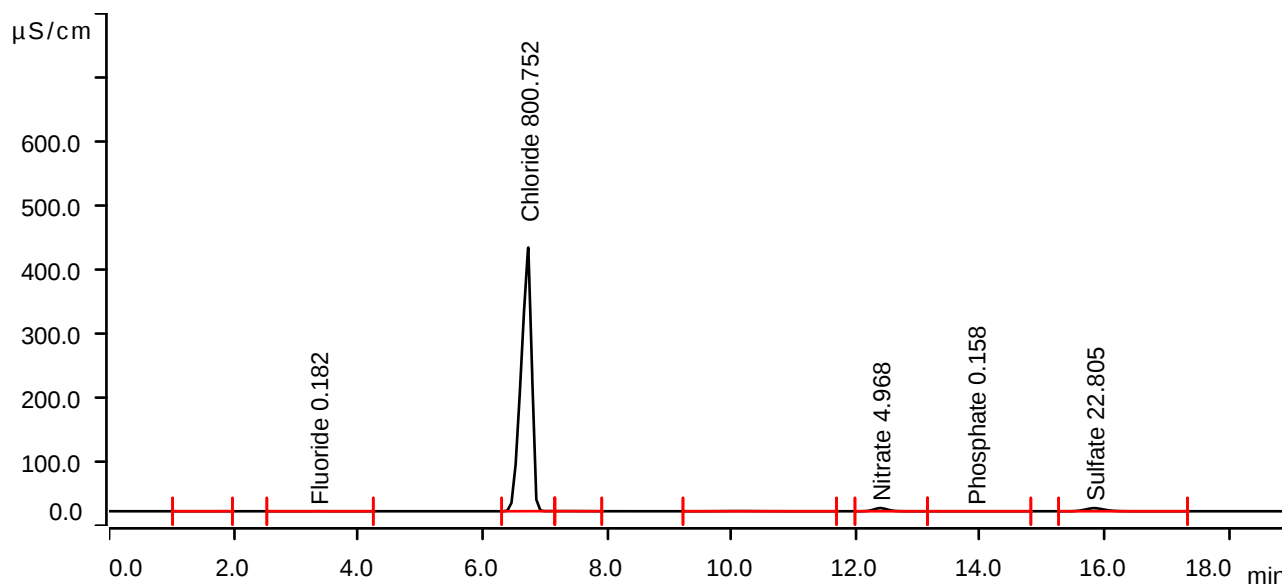
Sample data

Ident Q2562-01
Sample type Sample
Determination start 2025-07-11 11:18:42 UTC-4
Method IC1-062325
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 12.16 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	1.810	0.0080	0.034	invalid	
2	3.362	0.0220	0.123	0.182	Fluoride
3	6.738	81.5461	411.859	800.752	Chloride
4	7.352	0.0227	0.064	invalid	
5	10.145	0.1957	0.281	invalid	
6	12.393	1.2619	5.000	4.968	Nitrate
7	13.875	0.0099	0.011	0.158	Phosphate
8	15.832	1.7253	4.825	22.805	Sulfate

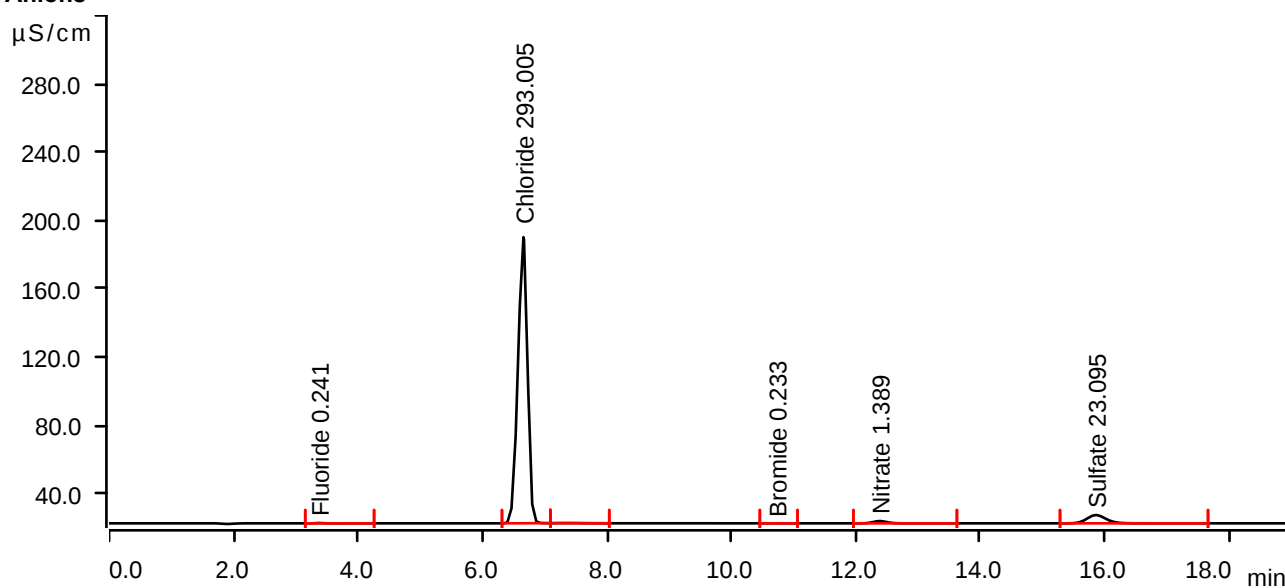
Sample data

Ident Q2562-02
Sample type Sample
Determination start 2025-07-11 11:40:16 UTC-4
Method IC1-062325
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	3.372	0.0306	0.197	0.241	Fluoride
2	6.660	29.8357	167.569	293.005	Chloride
3	7.350	0.0401	0.099	invalid	
4	10.723	0.0032	0.014	0.233	Bromide
5	12.383	0.3434	1.338	1.389	Nitrate
6	15.858	1.7476	4.882	23.095	Sulfate

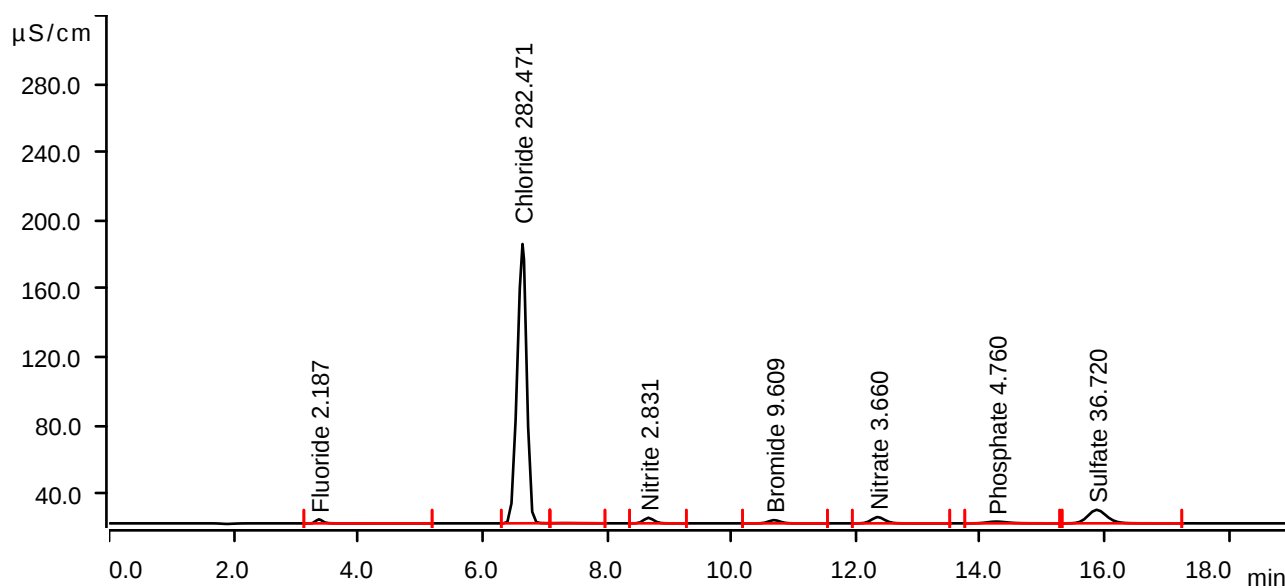
Sample data

Ident Q2562-02MS
Sample type Sample
Determination start 2025-07-11 12:01:50 UTC-4
Method IC1-062325
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	3.372	0.3142	2.378	2.187	Fluoride
2	6.645	28.7630	163.607	282.471	Chloride
3	7.332	0.0377	0.095	invalid	
4	8.668	0.6277	3.254	2.831	Nitrite
5	10.687	0.4178	1.881	9.609	Bromide
6	12.353	0.9262	3.661	3.660	Nitrate
7	14.258	0.4027	1.030	4.760	Phosphate
8	15.872	2.7972	7.916	36.720	Sulfate

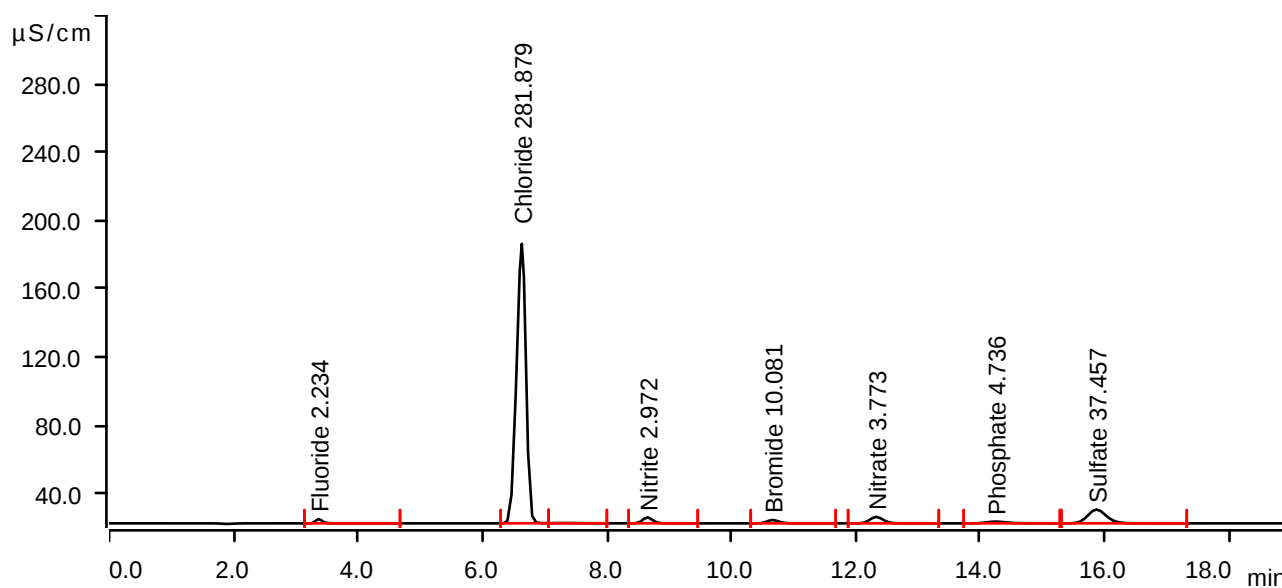
Sample data

Ident Q2562-02MSD
Sample type Sample
Determination start 2025-07-11 12:23:26 UTC-4
Method IC1-062325
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 11.82 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	3.368	0.3211	2.493	2.234	Fluoride
2	6.633	28.7027	163.706	281.879	Chloride
3	7.312	0.0374	0.095	invalid	
4	8.652	0.6597	3.439	2.972	Nitrite
5	10.663	0.4387	1.984	10.081	Bromide
6	12.328	0.9554	3.798	3.773	Nitrate
7	14.247	0.4007	1.018	4.736	Phosphate
8	15.867	2.8540	8.111	37.457	Sulfate

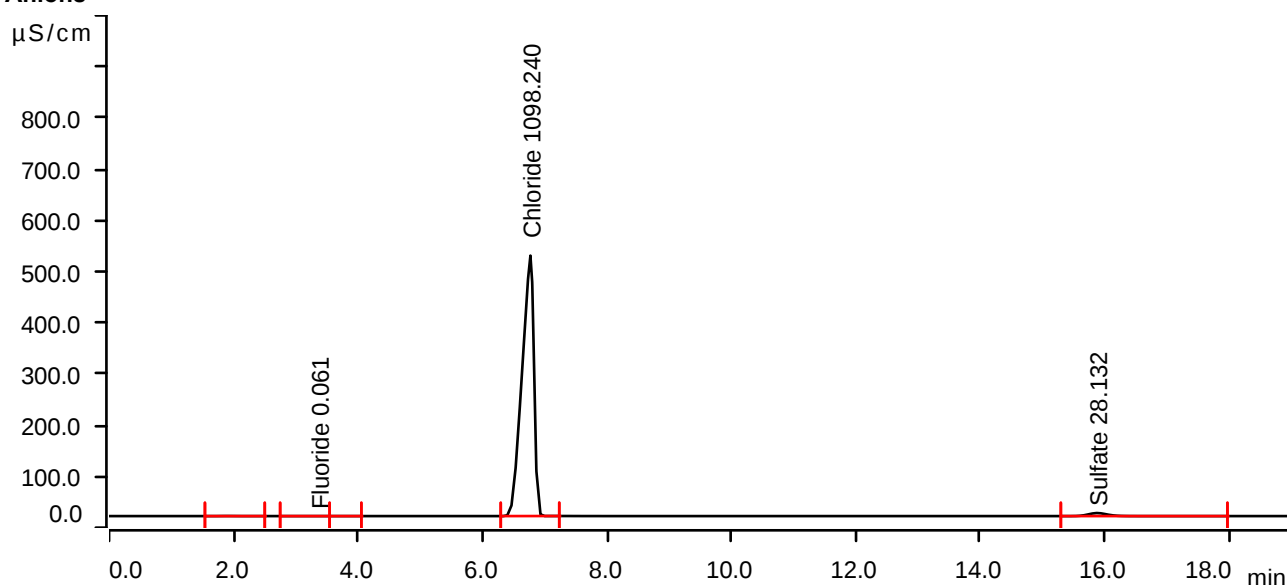
Sample data

Ident Q2562-03X10
Sample type Sample
Determination start 2025-07-11 12:45:01 UTC-4
Method IC1-062325
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	1.882	0.0502	0.202	invalid	
2	3.370	0.0043	0.030	0.061	Fluoride
3	3.637	0.0012	0.007	invalid	
4	6.772	111.8430	508.460	1098.240	Chloride
5	15.878	2.1357	5.972	28.132	Sulfate

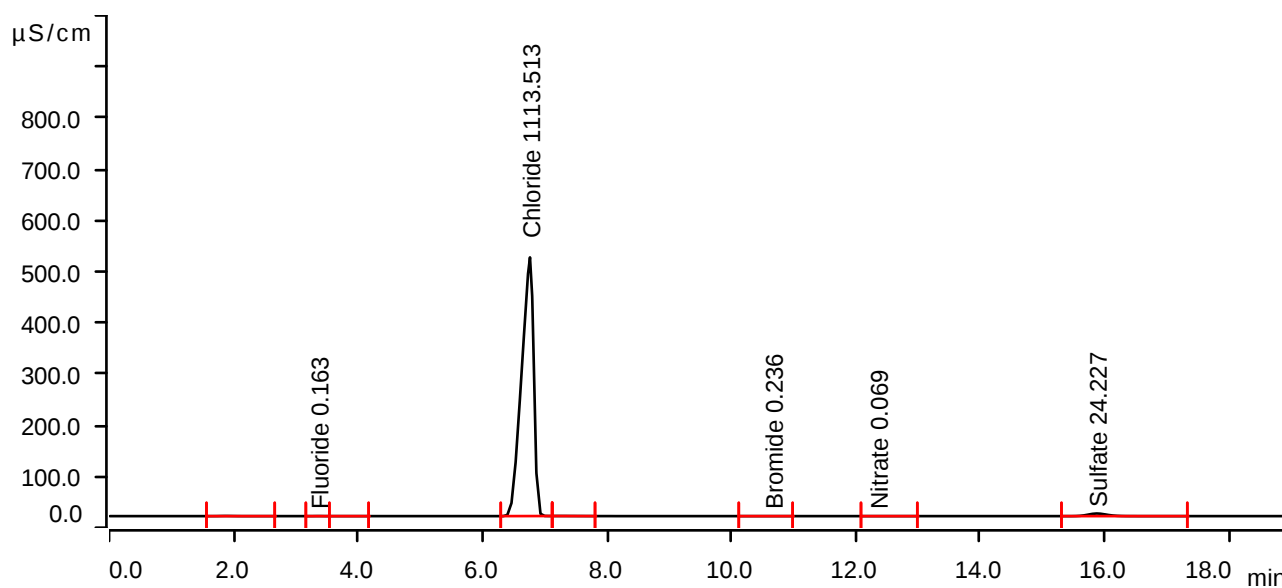
Sample data

Ident Q2562-04
Sample type Sample
Determination start 2025-07-11 13:06:34 UTC-4
Method IC1-062325
Operator

Anions

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

Anions



Peak number	Retention time min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	1.870	0.0818	0.327	invalid	
2	3.365	0.0192	0.143	0.163	Fluoride
3	3.640	0.0039	0.019	invalid	
4	6.765	113.3985	505.064	1113.513	Chloride
5	7.283	0.0282	0.081	invalid	
6	10.667	0.0034	0.014	0.236	Bromide
7	12.357	0.0046	0.017	0.069	Nitrate
8	15.875	1.8348	5.142	24.227	Sulfate

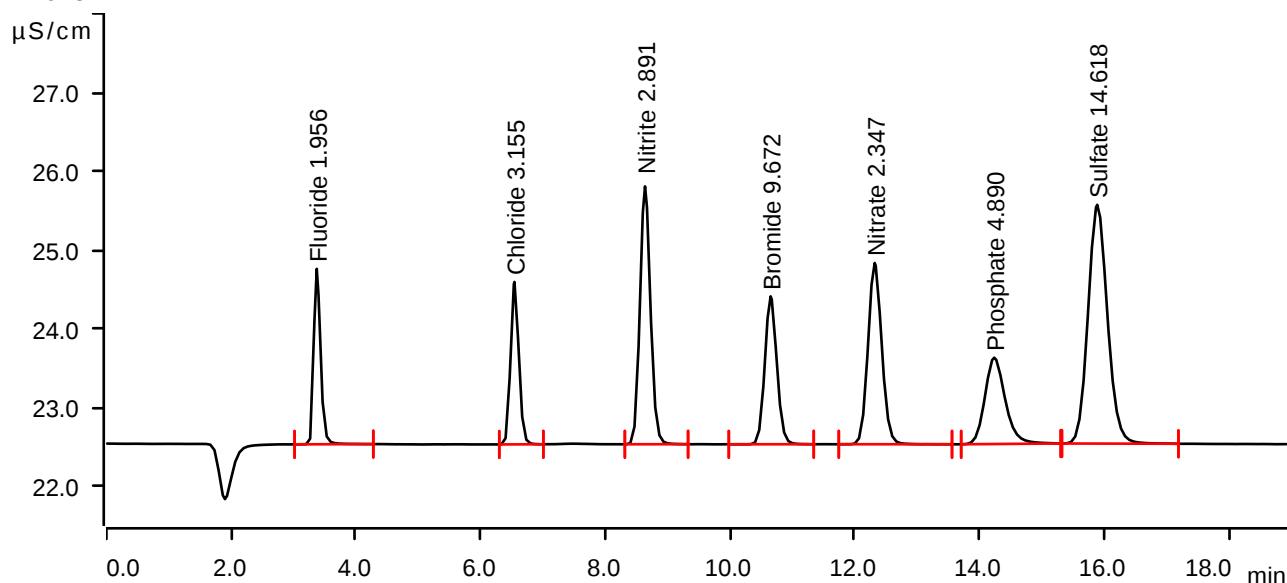
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-07-11 14:11:10 UTC-4
Method IC1-062325
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 11.82 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



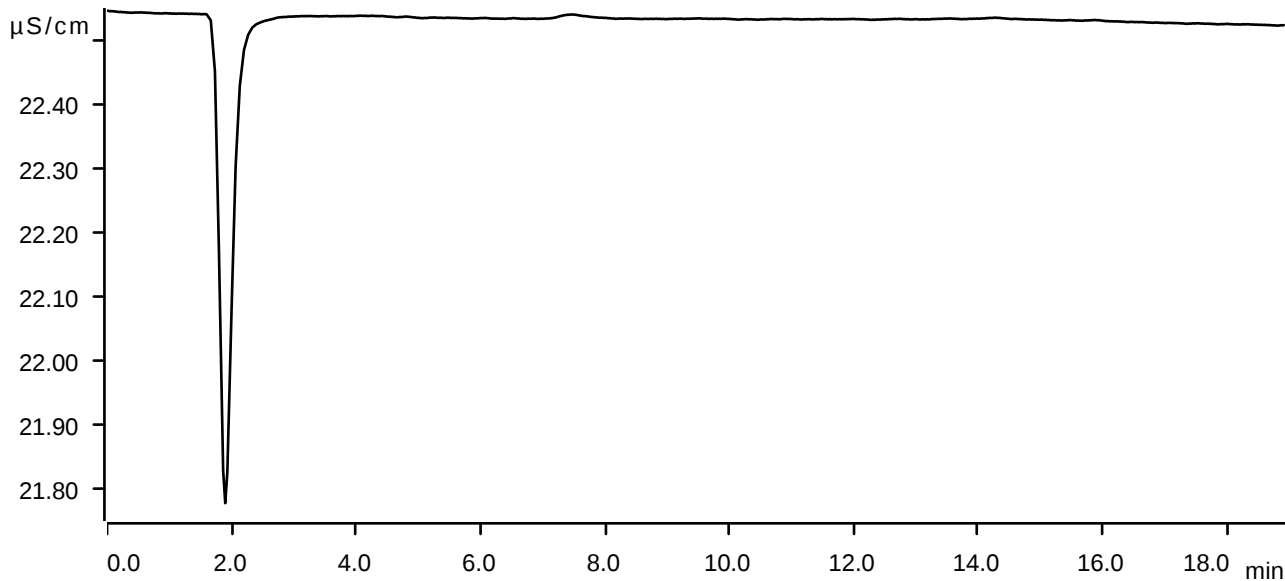
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.373	0.2806	2.226	1.956	Fluoride
2	6.543	0.3167	2.061	3.155	Chloride
3	8.637	0.6414	3.272	2.891	Nitrite
4	10.650	0.4206	1.877	9.672	Bromide
5	12.318	0.5894	2.300	2.347	Nitrate
6	14.235	0.4139	1.096	4.890	Phosphate
7	15.887	1.0946	3.030	14.618	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-07-11 14:32:40 UTC-4
Method IC1-062325
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 11.82 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

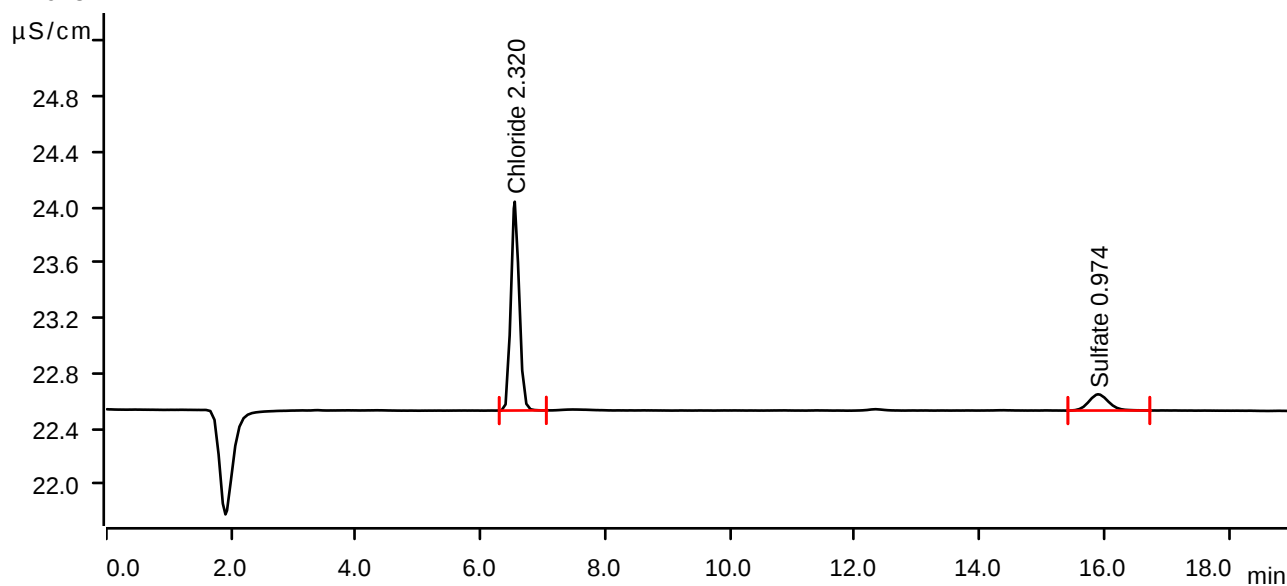
Sample data

Ident Q2562-02DLX100
Sample type Sample
Determination start 2025-07-11 14:54:10 UTC-4
Method IC1-062325
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 11.82 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	6.548	0.2316	1.508	2.320	Chloride
2	15.900	0.0435	0.117	0.974	Sulfate

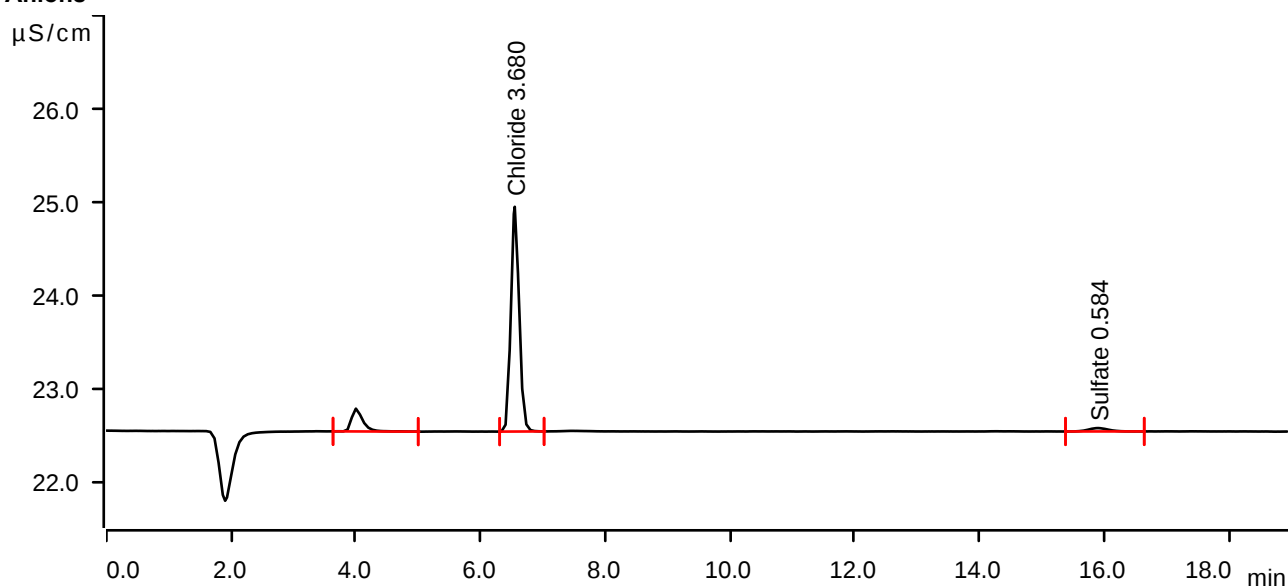
Sample data

Ident Q2562-03DLX2000
Sample type Sample
Determination start 2025-07-11 15:15:41 UTC-4
Method IC1-062325
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 11.82 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	4.002	0.0515	0.244	invalid	
2	6.548	0.3701	2.413	3.680	Chloride
3	15.902	0.0134	0.036	0.584	Sulfate

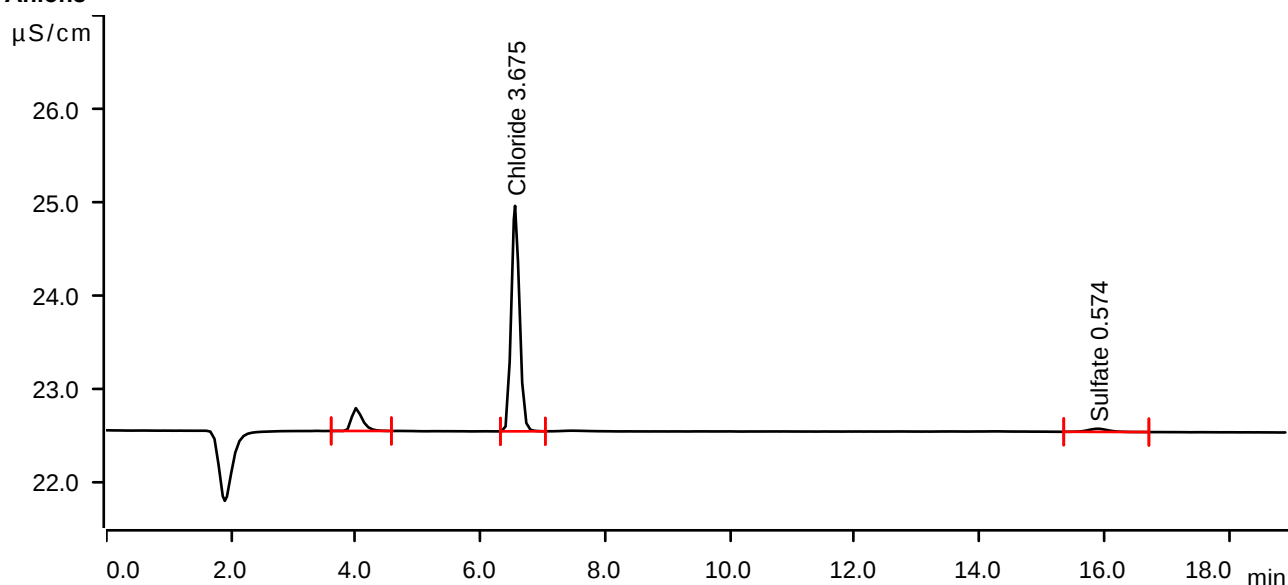
Sample data

Ident Q2562-04DLX200
Sample type Sample
Determination start 2025-07-11 15:37:12 UTC-4
Method IC1-062325
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 11.82 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	4.000	0.0498	0.245	invalid	
2	6.553	0.3696	2.421	3.675	Chloride
3	15.887	0.0127	0.034	0.574	Sulfate

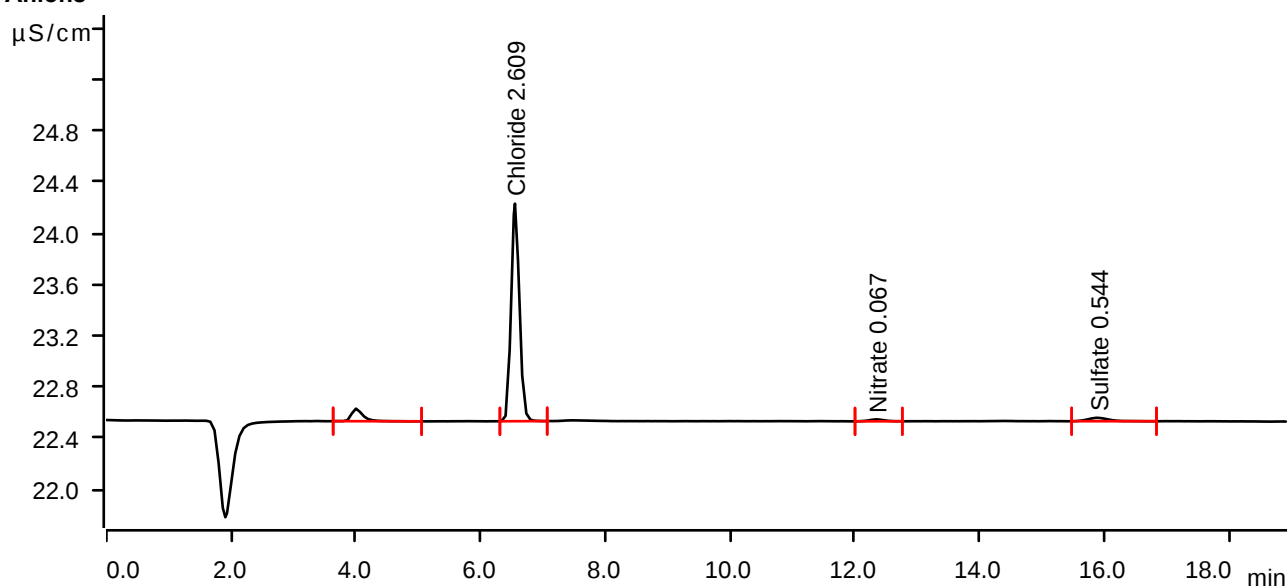
Sample data

Ident Q2562-01DLX200
Sample type Sample
Determination start 2025-07-11 15:58:42 UTC-4
Method IC1-062325
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	4.003	0.0209	0.098	invalid	
2	6.552	0.2610	1.699	2.609	Chloride
3	12.347	0.0042	0.015	0.067	Nitrate
4	15.900	0.0104	0.027	0.544	Sulfate

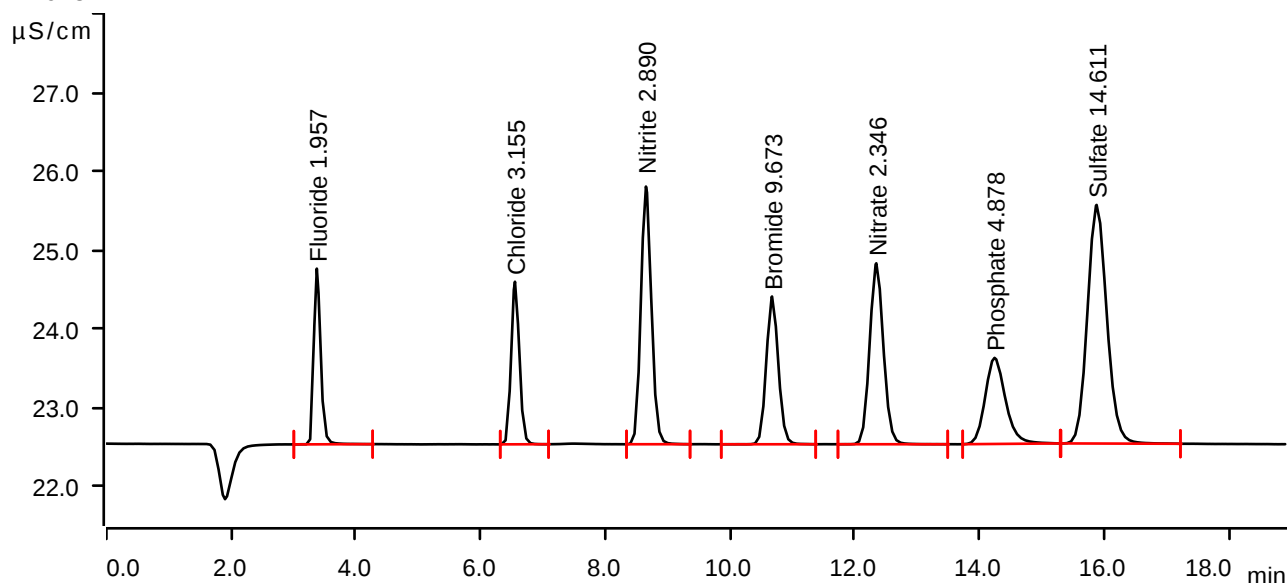
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-07-11 16:20:11 UTC-4
Method IC1-062325
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



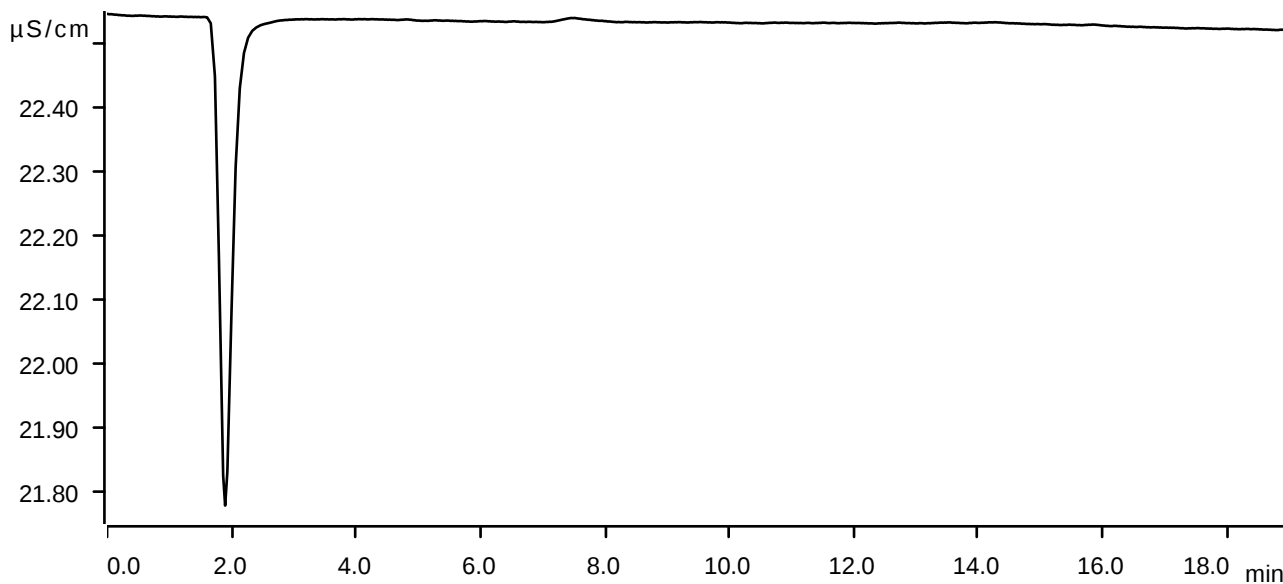
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.375	0.2808	2.229	1.957	Fluoride
2	6.552	0.3167	2.063	3.155	Chloride
3	8.652	0.6412	3.270	2.890	Nitrite
4	10.673	0.4206	1.875	9.673	Bromide
5	12.345	0.5890	2.296	2.346	Nitrate
6	14.240	0.4128	1.093	4.878	Phosphate
7	15.877	1.0940	3.028	14.611	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-07-11 16:41:41 UTC-4
Method IC1-062325
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

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136460

Review By	rubina	Review On	7/15/2025 8:26:14 AM
Supervise By	Iwona	Supervise On	7/15/2025 12:00:12 PM
SubDirectory	LB136460	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP113629,WP113630,WP113631,WP113632,WP113633,WP113634,WP113635		
ICV Standard	WP113636		
CCV Standard	WP113914		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113915		
Chk Standard	WP113637,WP113638		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	06/23/25 15:17	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	06/23/25 15:38	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	06/23/25 16:00	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	06/23/25 16:21		RM/IZ	OK
5	STD5	STD5	CAL5	06/23/25 16:43		RM/IZ	OK
6	STD6	STD6	CAL6	06/23/25 17:04		RM/IZ	OK
7	STD7	STD7	CAL7	06/23/25 17:25		RM/IZ	OK
8	ICV1	ICV1	ICV	06/23/25 17:47		RM/IZ	OK
9	ICB1	ICB1	ICB	06/23/25 18:08		RM/IZ	OK
10	CCV1	CCV1	CCV	07/11/25 09:09		RM/IZ	OK
11	CCB1	CCB1	CCB	07/11/25 09:52		RM/IZ	OK
12	LB136460BLW	LB136460BLW	MB	07/11/25 10:14		RM/IZ	OK
13	LB136460BSW	LB136460BSW	LCS	07/11/25 10:35		RM/IZ	OK
14	Q2565-01	MOO-25-0192-0193	SAM	07/11/25 10:57		RM/IZ	OK
15	Q2562-01	17 BANK	SAM	07/11/25 11:18	Cl? is high	RM/IZ	Dilution
16	Q2562-02	SUPPLY	SAM	07/11/25 11:40	Cl? is high	RM/IZ	Dilution
17	Q2562-02MS	SUPPLYMS	MS	07/11/25 12:01	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
18	Q2562-02MSD	SUPPLYMSD	MSD	07/11/25 12:23	9.5ml of sample, 0.5mL W3092	RM/IZ	OK

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136460

Review By	rubina	Review On	7/15/2025 8:26:14 AM
Supervise By	Iwona	Supervise On	7/15/2025 12:00:12 PM
SubDirectory	LB136460	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP113629,WP113630,WP113631,WP113632,WP113633,WP113634,WP113635		
ICV Standard	WP113636		
CCV Standard	WP113914		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113915		
Chk Standard	WP113637,WP113638		

19	Q2562-03	MW25	SAM	07/11/25 12:45	10X Still Cl? is high	RM/IZ	Dilution
20	Q2562-04	MW1	SAM	07/11/25 13:06	Cl? is high	RM/IZ	Dilution
21	CCV2	CCV2	CCV	07/11/25 14:11		RM/IZ	OK
22	CCB2	CCB2	CCB	07/11/25 14:32		RM/IZ	OK
23	Q2562-02DL	SUPPLYDL	SAM	07/11/25 14:54	100X for Cl?	RM/IZ	Confirms
24	Q2562-03DL	MW25DL	SAM	07/11/25 15:15	2000X for Cl?	RM/IZ	Confirms
25	Q2562-04DL	MW1DL	SAM	07/11/25 15:37	200X for Cl?	RM/IZ	Confirms
26	Q2562-01DL	17 BANKDL	SAM	07/11/25 15:58	200X for Cl?	RM/IZ	Confirms
27	CCV3	CCV3	CCV	07/11/25 16:20		RM/IZ	OK
28	CCB3	CCB3	CCB	07/11/25 16:41		RM/IZ	OK

Prep Standard - Chemical Standard Summary

Order ID : Q2562

Test : Anions Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: LB136460,

Standard ID :

WP112796,WP113629,WP113630,WP113631,WP113632,WP113633,WP113634,WP113635,WP113636,WP113637,WP113638,WP113914,WP113915,

Chemical ID :

M6041,W2647,W3112,W3163,W3180,W3197,



<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	WP112796	04/22/2025	10/22/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCS-5)	None	Jignesh Parikh 04/22/2025
<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	WP113629	06/23/2025	06/24/2025	Iwona Zarych	None	None	Jignesh Parikh 06/23/2025
<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	WP113630	06/23/2025	06/24/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
(WC) FROM 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	WP113631	06/23/2025	06/24/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 06/23/2025
<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	WP113632	06/23/2025	06/24/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 06/23/2025
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	WP113633	06/23/2025	06/24/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 06/23/2025
FROM 45.00000ml of W3112 + 5.00000ml of W3180 = Final Quantity: 50.000 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>
3679	Anions 300/9056 calibration standard 6	WP113634	06/23/2025	06/24/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 06/23/2025
FROM 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	WP113635	06/23/2025	06/24/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 06/23/2025
FROM 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	WP113636	06/23/2025	06/24/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
<u>FROM</u>		(WC)						
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	WP113637	06/23/2025	07/23/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 06/23/2025
<u>FROM</u> 1980.00000ml of W3112 + 20.00000ml of WP112796 = Final Quantity: 2000.000 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>
4037	IC H2SO4 FOR IC-1	WP113638	06/23/2025	07/23/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 06/23/2025

FROM 5.60000ml of M6041 + 999.40000ml 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	WP113914	07/11/2025	07/12/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/15/2025

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>
3233	Anions 300/9056 ICV-LCS std	WP113915	07/11/2025	07/12/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 07/15/2025
<u>FROM</u> 45.00000ml of W3112 + 5.00000ml of W3197 = Final Quantity: 50.000 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	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

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.	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 #
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

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™



M 6041-4b
MS

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

 **avantor™**

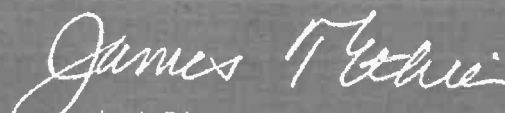


Material No.: 9673-33
Batch No.: 23D2462010

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



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.



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

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

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

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

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

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

k = coverage factor = 2

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

u_{bb} = bottle to bottle homogeneity standard uncertainty

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

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

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

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

X_a = mean of Assay Method A with

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

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

k = coverage factor = 2

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

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = 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	



SHIPPING DOCUMENTS



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

ALLIANCE PROJECT NO.

QUOTE NO.

COC Number 2047534

22562

CLIENT INFORMATION			CLIENT PROJECT INFORMATION			CLIENT BILLING INFORMATION													
REPORT TO BE SENT TO: COMPANY: <u>Geac Inc</u>			PROJECT NAME: <u>Banker</u>			BILL TO: <u>Geac Inc</u> PO#:													
ADDRESS: <u>8 CARRIAGE</u>			PROJECT NO.:			ADDRESS: <u>8 CARRIAGE</u>													
CITY: <u>Succasunna</u> STATE: <u>NJ</u> ZIP:			PROJECT MANAGER: <u>GL</u>			CITY: <u>Succasunna</u> STATE: <u>NJ</u> ZIP:													
ATTENTION:			e-mail:			ATTENTION:													
PHONE:			PHONE:			PHONE:													
FAX:			FAX:			FAX:													
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION			ANALYSIS													
FAX (RUSH) <u>STANDARD</u> DAYS*			☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)																
HARDCOPY (DATA PACKAGE): <u>STANDARD</u> DAYS*			☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP																
EDD: <u>STANDARD</u> DAYS*			☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B																
*TO BE APPROVED BY CHEMTECH			☐ + Raw Data ☐ Other <u>ADD 8</u>																
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS			X EDD FORMAT <u>10/10/25</u>																
			1: 2: 3: 4: 5: 6: 7: 8: 9:																
ALLIANCE SAMPLE ID		PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION	PRESERVATIVES									COMMENTS				
				COMP	GRAB	DATE	TIME	# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.		17 BANK	SW	X	7/9/25	1000	2	2	1	2	3	4	5	6	7	8	9		
2.		Supply	DW	X	7/9/25	1500	2	2	1	2	3	4	5	6	7	8	9		
3.		MW 2.5	GW	X	7/9/25	1535	2	2	1	2	3	4	5	6	7	8	9		
4.		MW 1	SW	X	7/9/25	1615	2	2	1	2	3	4	5	6	7	8	9		
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																			
RELINQUISHED BY SAMPLER:			DATE/TIME:			RECEIVED BY:			Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.3</u>										
1. <u>YJ</u>						1. <u>YJ</u> 7/10/25			Comments:										
RELINQUISHED BY SAMPLER:			DATE/TIME:			RECEIVED BY:													
2.						2.													
RELINQUISHED BY SAMPLER:			DATE/TIME:			RECEIVED BY:													
3.						3.													
Page ____ of									CLIENT: ☐ Hand Delivered ☐ Other					Shipment Complete ☐ YES ☐ NO					

Laboratory Certification

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