

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:	Q3464	OrderDate:	10/24/2025 2:03:00 PM
Client:	G Environmental	Project:	Buffington
Contact:	Gary Landis	Location:	J51,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3464-01	MW2	WATER			10/24/25 09:35			10/24/25
			Alkalinity	SM2320 B			11/04/25 08:41	
			Anions Group1	300.0			10/27/25 13:04	
			COD	SM5220 D			10/30/25 13:52	
Q3464-01DL	MW2DL	WATER			10/24/25 09:35			10/24/25
			Anions Group1	300.0			10/27/25 14:30	
Q3464-02	MW3	WATER			10/24/25 09:55			10/24/25
			Alkalinity	SM2320 B			11/04/25 08:50	
			Anions Group1	300.0			10/27/25 14:09	
			COD	SM5220 D			10/30/25 13:54	
Q3464-02DL	MW3DL	WATER			10/24/25 09:55			10/24/25
			Anions Group1	300.0			10/27/25 14:52	



SAMPLE DATA

Report of Analysis

Client: G Environmental
Project: Buffington
Client Sample ID: MW2
Lab Sample ID: Q3464-01

Date Collected: 10/24/25 09:35
Date Received: 10/24/25
SDG No.: Q3464
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	136		1	1.00	2.00	mg/L		11/04/25 08:41	SM 2320 B-21
Sulfate	1080	OR	1	0.46	3.00	mg/L		10/27/25 13:04	300.0
COD	25.9		1	1.50	10.0	mg/L		10/30/25 13:52	SM 5220 D-11

Comments: The alkalinity to pH 4.29=136 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: Buffington
Client Sample ID: MW2DL
Lab Sample ID: Q3464-01DL

Date Collected: 10/24/25 09:35
Date Received: 10/24/25
SDG No.: Q3464
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	764	D	50	23.0	150	mg/L		10/27/25 14:30	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: Buffington
Client Sample ID: MW3
Lab Sample ID: Q3464-02

Date Collected: 10/24/25 09:55
Date Received: 10/24/25
SDG No.: Q3464
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	258		1	1.00	2.00	mg/L		11/04/25 08:50	SM 2320 B-21
Sulfate	373	OR	1	0.46	3.00	mg/L		10/27/25 14:09	300.0
COD	37.0		1	1.50	10.0	mg/L		10/30/25 13:54	SM 5220 D-11

Comments: The alkalinity to pH 4.27=258 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: Buffington
Client Sample ID: MW3DL
Lab Sample ID: Q3464-02DL

Date Collected: 10/24/25 09:55
Date Received: 10/24/25
SDG No.: Q3464
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	291	D	20	9.20	60.0	mg/L		10/27/25 14:52	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.: Q3464

Project: Buffington

RunNo.: LB137654

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	9.8	10	98	90-110	10/09/2025
Chloride	mg/L	2.9	3	97	90-110	10/09/2025
Fluoride	mg/L	2	2	100	90-110	10/09/2025
Nitrite	mg/L	2.9	3	97	90-110	10/09/2025
Nitrate	mg/L	2.4	2.5	96	90-110	10/09/2025
Sulfate	mg/L	14.7	15	98	90-110	10/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	10/09/2025
Sample ID: CCV1						
Bromide	mg/L	10.3	10	103	90-110	10/27/2025
Chloride	mg/L	3.1	3	103	90-110	10/27/2025
Fluoride	mg/L	2	2	100	90-110	10/27/2025
Nitrite	mg/L	3.1	3	103	90-110	10/27/2025
Nitrate	mg/L	2.6	2.5	104	90-110	10/27/2025
Sulfate	mg/L	15.2	15	101	90-110	10/27/2025
Orthophosphate as P	mg/L	4.7	5	94	90-110	10/27/2025
Sample ID: CCV2						
Bromide	mg/L	10.3	10	103	90-110	10/27/2025
Chloride	mg/L	3.1	3	103	90-110	10/27/2025
Fluoride	mg/L	2	2	100	90-110	10/27/2025
Nitrite	mg/L	3.1	3	103	90-110	10/27/2025
Nitrate	mg/L	2.6	2.5	104	90-110	10/27/2025
Sulfate	mg/L	15.2	15	101	90-110	10/27/2025
Orthophosphate as P	mg/L	4.8	5	96	90-110	10/27/2025

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q3464

Project: Buffington

RunNo.: LB137720

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
COD		mg/L	50.173	50	100	95-105	09/08/2025
Sample ID:	CCV1						
COD		mg/L	49.161	50	98	95-105	10/30/2025
Sample ID:	CCV2						
COD		mg/L	48.150	50	96	95-105	10/30/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q3464

Project: Buffington

RunNo.: LB137654

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	10/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/27/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/27/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/27/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/27/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/27/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/27/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/27/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/27/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/27/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/27/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/27/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/27/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/27/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/27/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q3464

Project: Buffington

RunNo.: LB137720

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID: CCB1 COD	mg/L	< 5.0000	5.0000	U	1.50	10	10/30/2025
Sample ID: CCB2 COD	mg/L	< 5.0000	5.0000	U	1.50	10	10/30/2025

Preparation Blank Summary

Client: G Environmental

SDG No.: Q3464

Project: Buffington

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137654BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/27/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/27/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/27/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/27/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/27/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/27/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/27/2025
Sample ID: LB137720BL							
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	10/30/2025
Sample ID: LB137753BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	11/04/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q3464
Project:	Buffington	Sample ID:	Q3464-01
Client ID:	MW2MS	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
COD	mg/L	75-125	73.4		25.9		50.0	1	95		10/30/2025
Bromide	mg/L	80-120	10.1		0.37	U	10	1	101		10/27/2025
Chloride	mg/L	80-120	12.6	OR	9.90	OR	3	1	90		10/27/2025
Fluoride	mg/L	80-120	2.30		0.28	J	2	1	101		10/27/2025
Nitrite	mg/L	80-120	3.10		0.23	J	3	1	96		10/27/2025
Nitrate	mg/L	80-120	6.90	OR	4.60		2.5	1	92		10/27/2025
Sulfate	mg/L	80-120	1050	OR	1080	OR	15	1	-200	*	10/27/2025
Orthophosphate as P	mg/L	80-120	5.30		0.34	U	5	1	106		10/27/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q3464
Project:	Buffington	Sample ID:	Q3464-01
Client ID:	MW2MSD	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
COD	mg/L	75-125	75.5		25.9		50.0	1	99		10/30/2025
Bromide	mg/L	80-120	9.70		0.37	U	10	1	97		10/27/2025
Chloride	mg/L	80-120	12.5	OR	9.90	OR	3	1	87		10/27/2025
Fluoride	mg/L	80-120	2.20		0.28	J	2	1	96		10/27/2025
Nitrite	mg/L	80-120	3.00		0.23	J	3	1	92		10/27/2025
Nitrate	mg/L	80-120	6.80	OR	4.60		2.5	1	88		10/27/2025
Sulfate	mg/L	80-120	1050	OR	1080	OR	15	1	-200	*	10/27/2025
Orthophosphate as P	mg/L	80-120	4.90		0.34	U	5	1	98		10/27/2025

Duplicate Sample Summary

Client:	G Environmental	SDG No.:	Q3464
Project:	Buffington	Sample ID:	Q3464-01
Client ID:	MW2DUP	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
COD	mg/L	+/-20	25.9		24.9		1	3.94		10/30/2025
Alkalinity	mg/L	+/-20	136		136		1	0		11/04/2025

Duplicate Sample Summary

Client: G Environmental Project: Buffington Client ID: MW2MSD	SDG No.: Q3464 Sample ID: Q3464-01 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
Sulfate	mg/L	+/-20	1050	OR	1050	OR	1	0		10/27/2025
Chloride	mg/L	+/-20	12.6	OR	12.5	OR	1	1		10/27/2025
Nitrate	mg/L	+/-20	6.90	OR	6.80	OR	1	1		10/27/2025
Nitrite	mg/L	+/-20	3.10		3.00		1	3		10/27/2025
Bromide	mg/L	+/-20	10.1		9.70		1	4		10/27/2025
Fluoride	mg/L	+/-20	2.30		2.20		1	4		10/27/2025
Orthophosphate as P	mg/L	+/-20	5.30		4.90		1	8		10/27/2025
COD	mg/L	+/-20	73.4		75.5		1	2.82		10/30/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q3464

Project: Buffington

Run No.: LB137654

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137654BSW							
Bromide	mg/L	10	10.3		103	1	90-110	10/27/2025
Chloride	mg/L	3	3.10		103	1	90-110	10/27/2025
Fluoride	mg/L	2	2.00		100	1	90-110	10/27/2025
Nitrite	mg/L	3	3.10		103	1	90-110	10/27/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	10/27/2025
Sulfate	mg/L	15	15.5		103	1	90-110	10/27/2025
Orthophosphate as P	mg/L	5	5.00		100	1	90-110	10/27/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q3464

Project: Buffington

Run No.: LB137720

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137720BS							
COD	mg/L	50	51.2		102	1	90-110	10/30/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q3464

Project: Buffington

Run No.: LB137753

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137753BSW							
Alkalinity	mg/L	50	57.3		115	1	80-120	11/04/2025



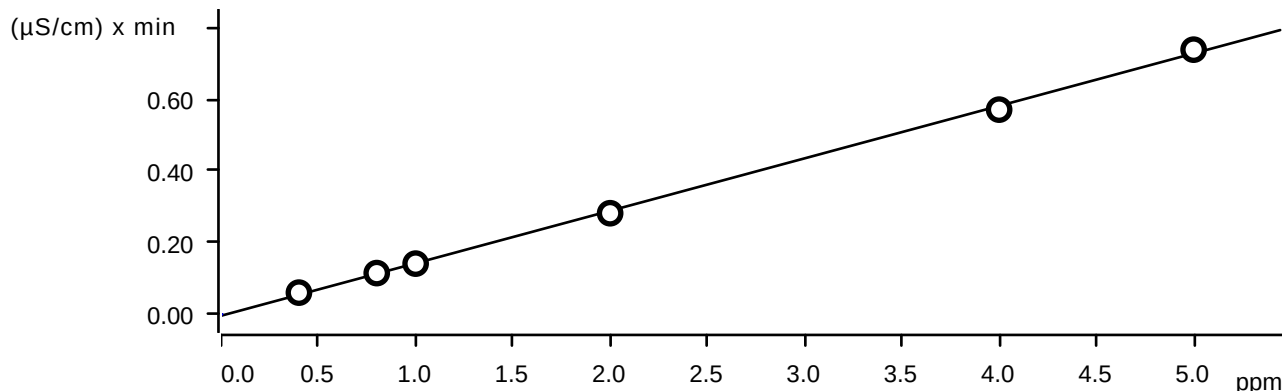
RAW DATA

h	Instrument IC-1		Analyst : RM		Method: 300.0 / 9056A					
Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO	Con SO4	Method name	date time	Initial Analyst
STD1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/9/2025 10:46	10 RM/IZ
STD2	0.440	0.646	0.652	2.141	0.541	1.118	3.299	IC1-100925	10/9/2025 11:08	10 RM/IZ
STD3	0.813	1.225	1.222	4.073	1.019	1.947	6.091	IC1-100925	10/9/2025 11:29	10 RM/IZ
STD4	0.993	1.497	1.496	4.994	1.249	2.669	7.507	IC1-100925	10/9/2025 11:51	10 RM/IZ
STD5	1.954	2.923	2.922	9.773	2.435	4.828	14.557	IC1-100925	10/9/2025 12:12	10 RM/IZ
STD6	3.928	5.923	5.920	19.752	4.934	9.517	29.510	IC1-100925	10/9/2025 12:34	10 RM/IZ
STD7	5.072	7.585	7.589	25.268	6.323	12.920	37.537	IC1-100925	10/9/2025 12:55	10 RM/IZ
ICV	1.970	2.918	2.942	9.842	2.398	5.003	14.702	IC1-100925	10/9/2025 13:16	10 RM/IZ
ICB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/9/2025 13:38	10 RM/IZ
CCV	2.031	3.077	3.060	10.306	2.564	4.739	15.199	IC1-100925	10/27/2025 11:38	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/27/2025 12:00	10 RM/IZ
LB137654BLW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/27/2025 12:21	10 RM/IZ
LB137654BSW	2.036	3.089	3.072	10.348	2.577	5.020	15.460	IC1-100925	10/27/2025 12:43	10 RM/IZ
Q3464-01	0.283	9.925	0.229	0.000	4.584	0.313	1081.143	IC1-100925	10/27/2025 13:04	10 RM/IZ
Q3464-01MS	2.294	12.642	3.147	10.107	6.948	5.334	1046.471	IC1-100925	10/27/2025 13:26	10 RM/IZ
Q3464-01MSD	2.203	12.517	3.013	9.659	6.838	4.861	1048.223	IC1-100925	10/27/2025 13:47	10 RM/IZ
Q3464-02	0.234	13.969	0.303	0.000	4.075	0.520	372.867	IC1-100925	10/27/2025 14:09	10 RM/IZ
Q3464-01DLX50	0.000	0.243	0.000	0.000	0.130	0.000	15.276	IC1-100925	10/27/2025 14:30	10 RM/IZ
Q3464-02DLX20	0.042	0.697	0.089	0.000	0.235	0.000	14.529	IC1-100925	10/27/2025 14:52	10 RM/IZ
CCV	2.007	3.067	3.066	10.307	2.562	4.790	15.184	IC1-100925	10/27/2025 15:13	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/27/2025 15:35	10 RM/IZ

Clear table

Instrument ID: IC-2 Analyst : IZ Method: 300.0 / 9056A										
ident	concentra tion F-	concentratio n CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time	Initial wt/ Final Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000 IC1-100925	10/9/2025 10:46	10 RM/IZ
STD2	0.4400	0.6460	0.6520	2.1410	0.5410	1.1180	3.2990	IC1-100925	10/9/2025 11:08	10 RM/IZ
STD3	0.8130	1.2250	1.2220	4.0730	1.0190	1.9470	6.0910	IC1-100925	10/9/2025 11:29	10 RM/IZ
STD4	0.9930	1.4970	1.4960	4.9940	1.2490	2.6690	7.5070	IC1-100925	10/9/2025 11:51	10 RM/IZ
STD5	1.9540	2.9230	2.9220	9.7730	2.4350	4.8280	14.5570	IC1-100925	10/9/2025 12:12	10 RM/IZ
STD6	3.9280	5.9230	5.9200	19.7520	4.9340	9.5170	29.5100	IC1-100925	10/9/2025 12:34	10 RM/IZ
STD7	5.0720	7.5850	7.5890	25.2680	6.3230	12.9200	37.5370	IC1-100925	10/9/2025 12:55	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	10.0000	7.6667	8.6667	7.0500	8.2000	11.8000	9.9667			
STD3	1.6250	2.0833	1.8333	1.8250	1.9000	-2.6500	1.5167			
STD4	-0.7000	-0.2000	-0.2667	-0.1200	-0.0800	6.7600	0.0933			
STD5	-2.3000	-2.5667	-2.6000	-2.2700	-2.6000	-3.4400	-2.9533			
STD6	-1.8000	-1.2833	-1.3333	-1.2400	-1.3200	-4.8300	-1.6333			
STD7	1.4400	1.1333	1.1867	1.0720	1.1680	3.3600	1.4514			

Fluoride (Anions)



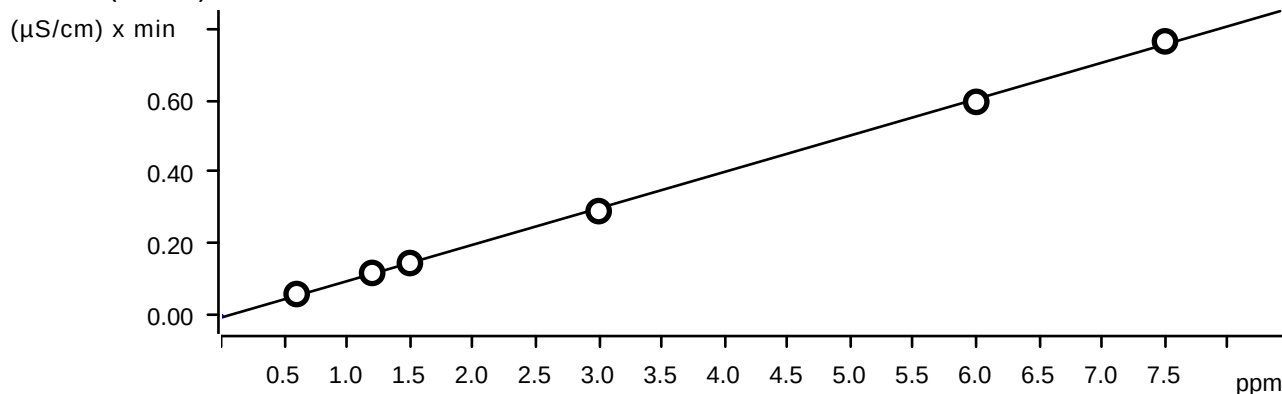
Function: $A = -3.86859E-3 + 0.0146255 \times Q$

Relative standard deviation 2.744994 %

Correlation coefficient 0.999599

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.061	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.115	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.141	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.282	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.571	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.738	STD7	2025-10-09 12:55:27 UTC-4	used

Chloride (Anions)

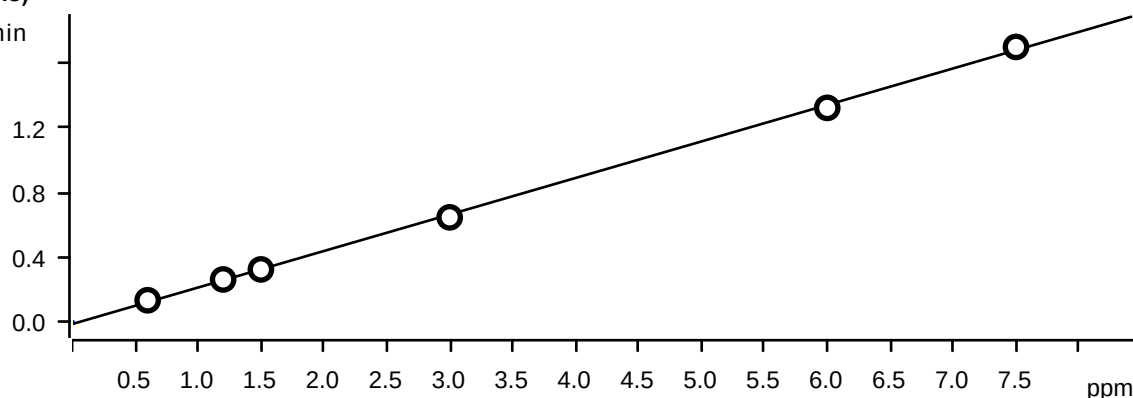


Function: $A = -5.87555E-3 + 0.0101528 \times Q$

Relative standard deviation 2.276543 %

Correlation coefficient 0.999727

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.060	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.119	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.146	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.291	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.596	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.764	STD7	2025-10-09 12:55:27 UTC-4	used

Nitrite (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0165604 + 0.0226258 \times Q$

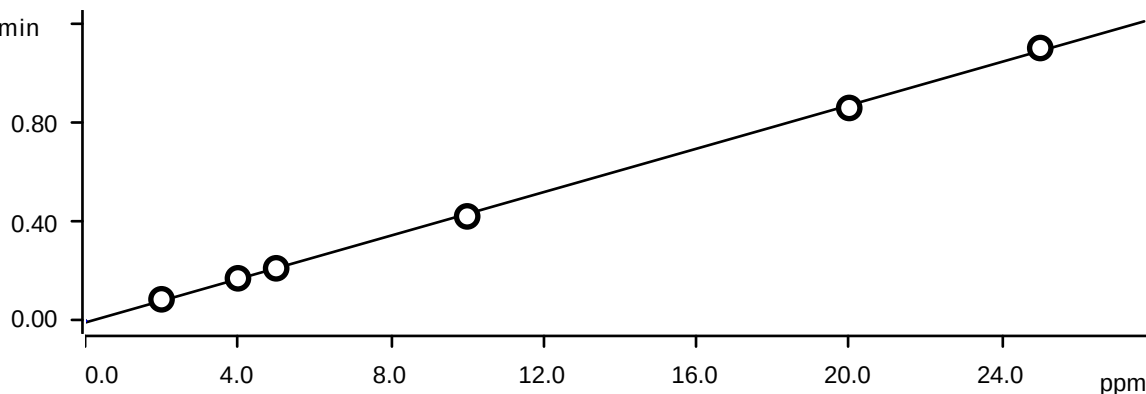
Relative standard deviation 2.379226 %

Correlation coefficient 0.999705

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.131	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.260	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.322	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.645	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.323	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.700	STD7	2025-10-09 12:55:27 UTC-4	used

Bromide (Anions)

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



Function: $A = -6.89623E-3 + 4.37562E-3 \times Q$

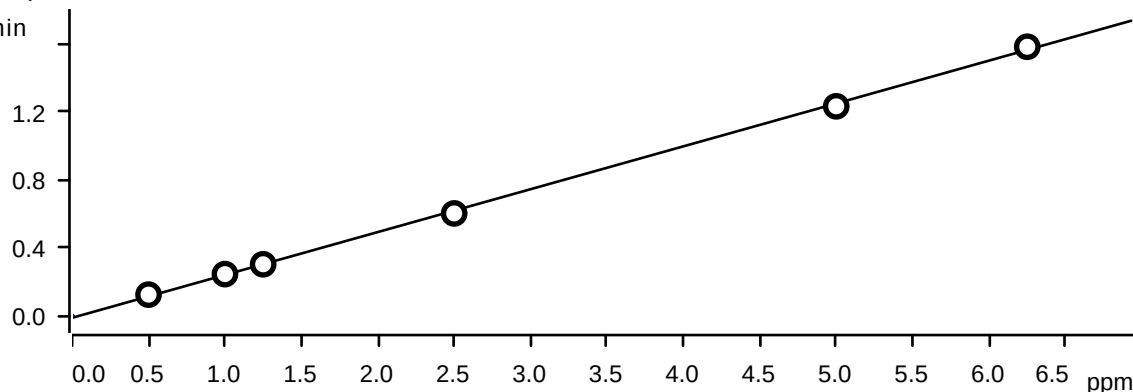
Relative standard deviation: 2.114692 %

Correlation coefficient: 0.999763

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.087	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.171	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.212	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.421	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.857	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.099	STD7	2025-10-09 12:55:27 UTC-4	used

Nitrate (Anions)

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

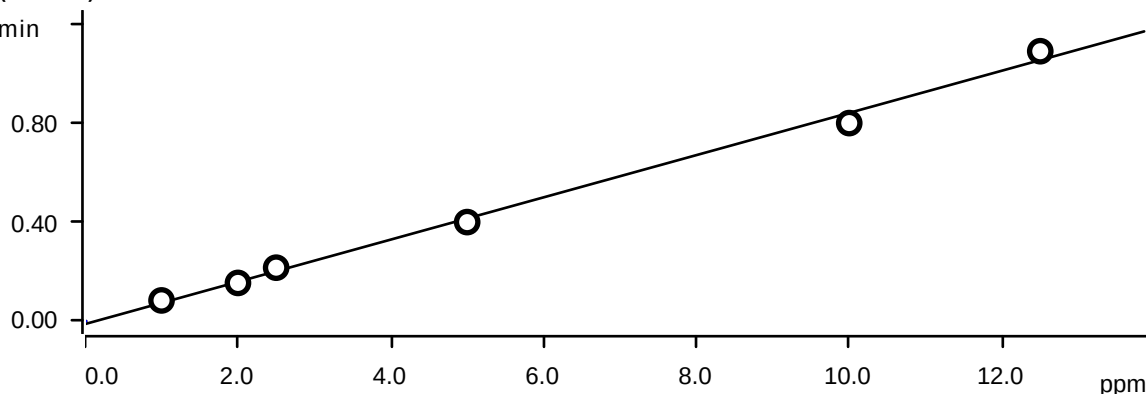


Function: $A = -0.0141807 + 0.0252306 \times Q$

Relative standard deviation: 2.346972 %

Correlation coefficient 0.999712

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.122	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.243	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.301	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.600	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.231	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.581	STD7	2025-10-09 12:55:27 UTC-4	used

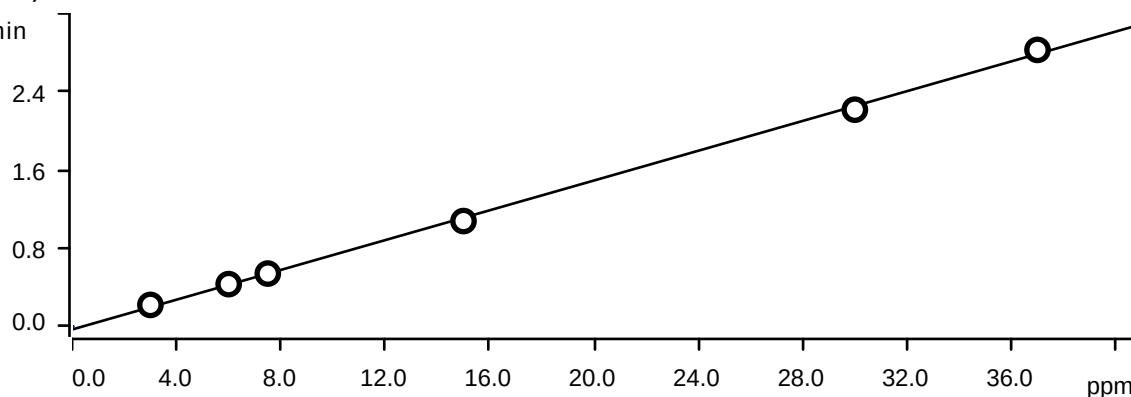
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0117521 + 8.50315E-3 \times Q$

Relative standard deviation 6.489714 %

Correlation coefficient 0.997825

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.083	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.154	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.215	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.399	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.798	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.087	STD7	2025-10-09 12:55:27 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0307148 + 7.61403E-3 \times Q$

Relative standard deviation 2.830893 %

Correlation coefficient 0.999580

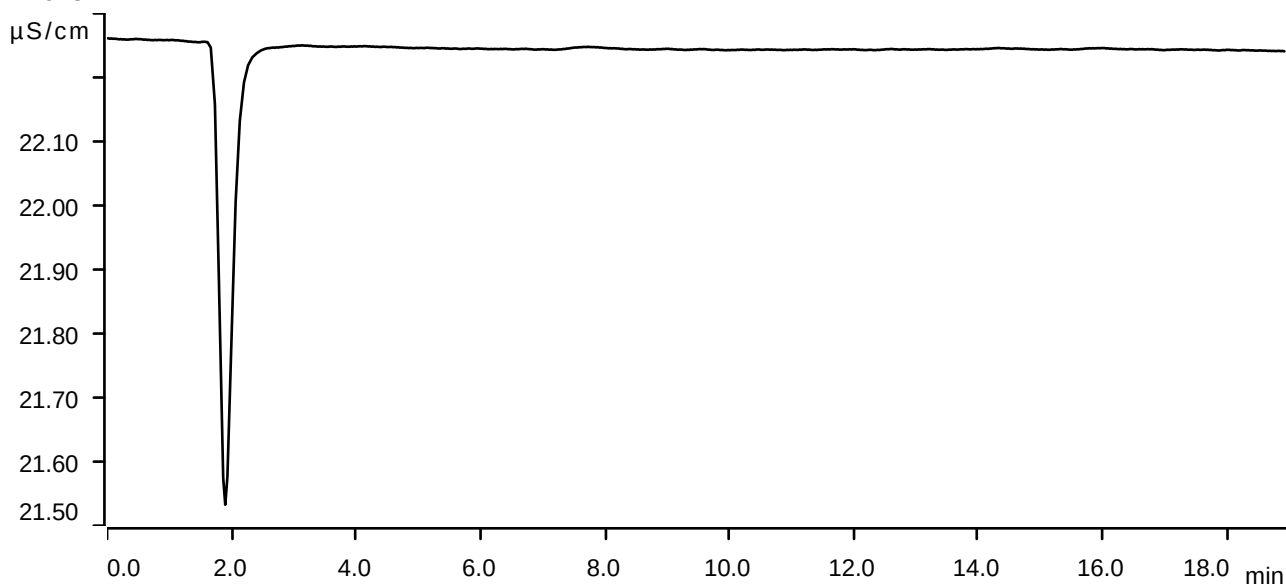
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.220	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.433	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.541	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.078	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.216	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.827	STD7	2025-10-09 12:55:27 UTC-4	used

Sample data

Ident STD1
Sample type Standard 1
Determination start 2025-10-09 10:46:54 UTC-4
Method IC1-100925
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 13.57 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

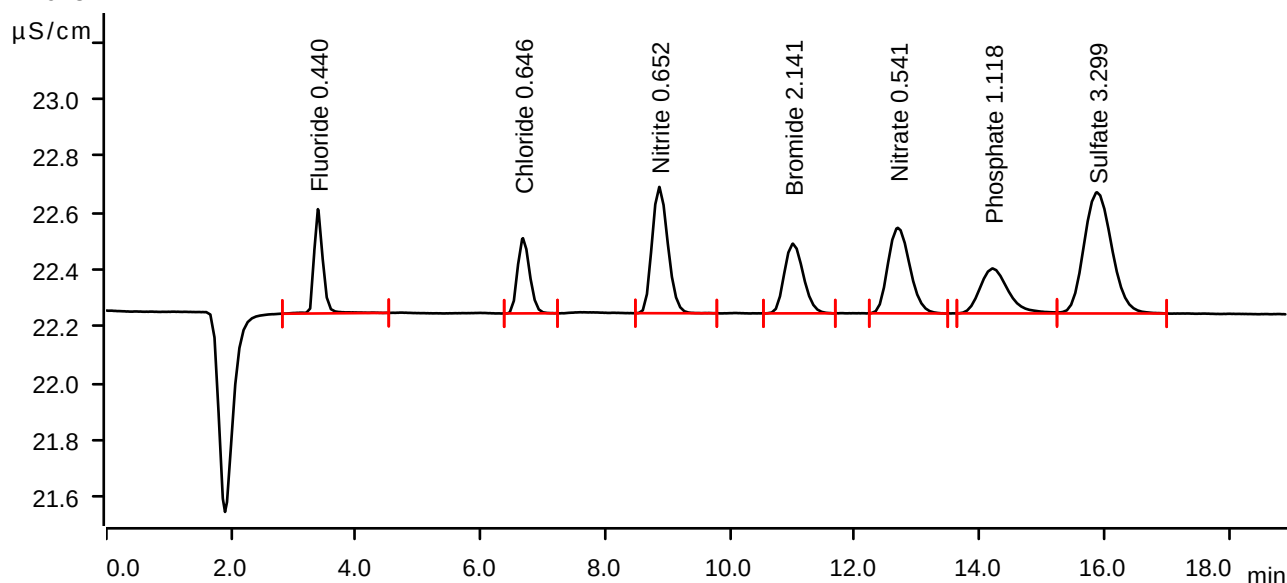
Sample data

Ident STD2
Sample type Standard 2
Determination start 2025-10-09 11:08:18 UTC-4
Method IC1-100925
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 13.34 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	0.0605	0.366	0.440	Fluoride
2	6.680	0.0597	0.264	0.646	Chloride
3	8.865	0.1310	0.444	0.652	Nitrite
4	11.008	0.0868	0.245	2.141	Bromide
5	12.692	0.1222	0.301	0.541	Nitrate
6	14.212	0.0833	0.158	1.118	Phosphate
7	15.883	0.2204	0.426	3.299	Sulfate

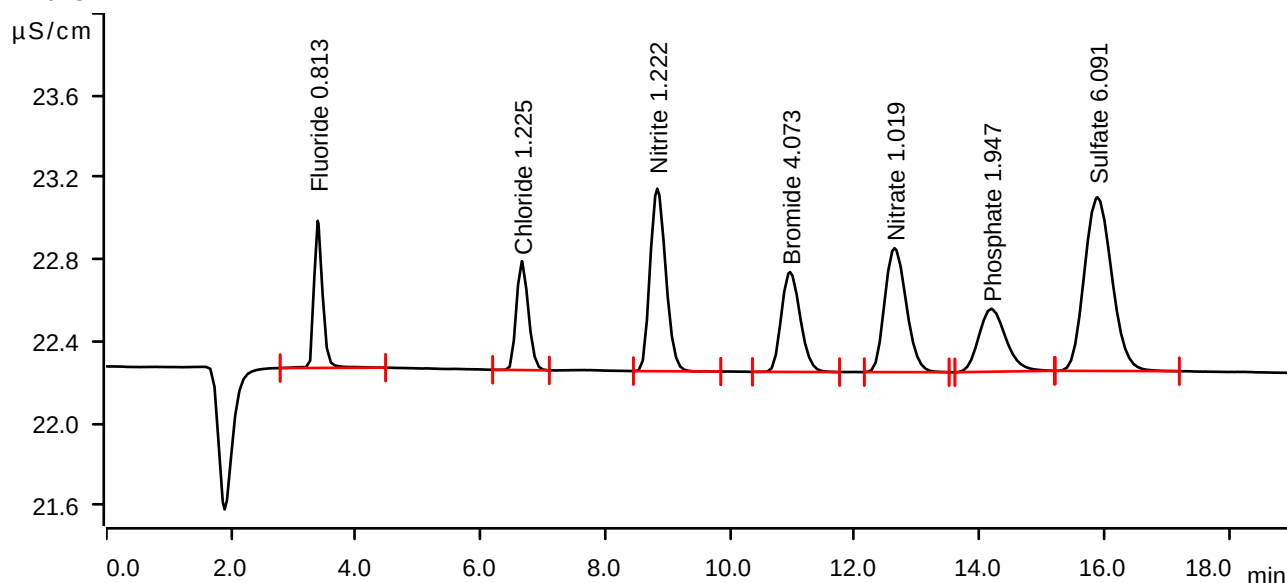
Sample data

Ident STD3
Sample type Standard 3
Determination start 2025-10-09 11:29:42 UTC-4
Method IC1-100925
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 13.63 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	3.388	0.1150	0.718	0.813	Fluoride
2	6.662	0.1185	0.531	1.225	Chloride
3	8.833	0.2598	0.891	1.222	Nitrite
4	10.962	0.1713	0.487	4.073	Bromide
5	12.637	0.2429	0.605	1.019	Nitrate
6	14.187	0.1538	0.307	1.947	Phosphate
7	15.888	0.4330	0.848	6.091	Sulfate

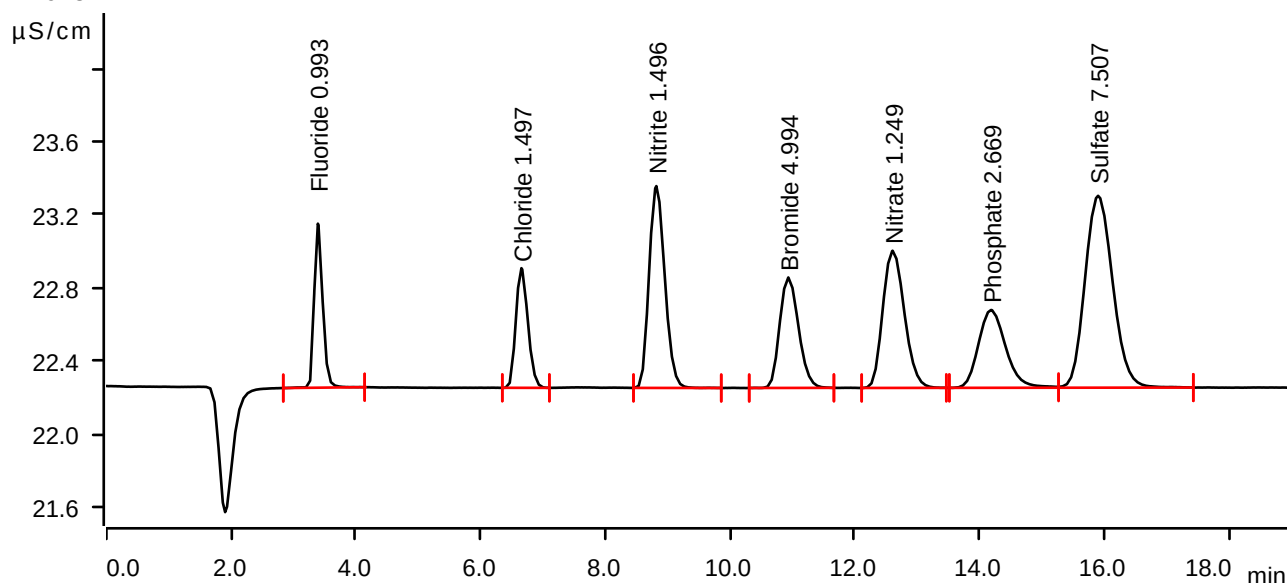
Sample data

Ident STD4
Sample type Standard 4
Determination start 2025-10-09 11:51:08 UTC-4
Method IC1-100925
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 13.34 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	0.1414	0.897	0.993	Fluoride
2	6.655	0.1461	0.654	1.497	Chloride
3	8.818	0.3220	1.103	1.496	Nitrite
4	10.933	0.2116	0.604	4.994	Bromide
5	12.607	0.3009	0.750	1.249	Nitrate
6	14.185	0.2152	0.426	2.669	Phosphate
7	15.900	0.5409	1.049	7.507	Sulfate

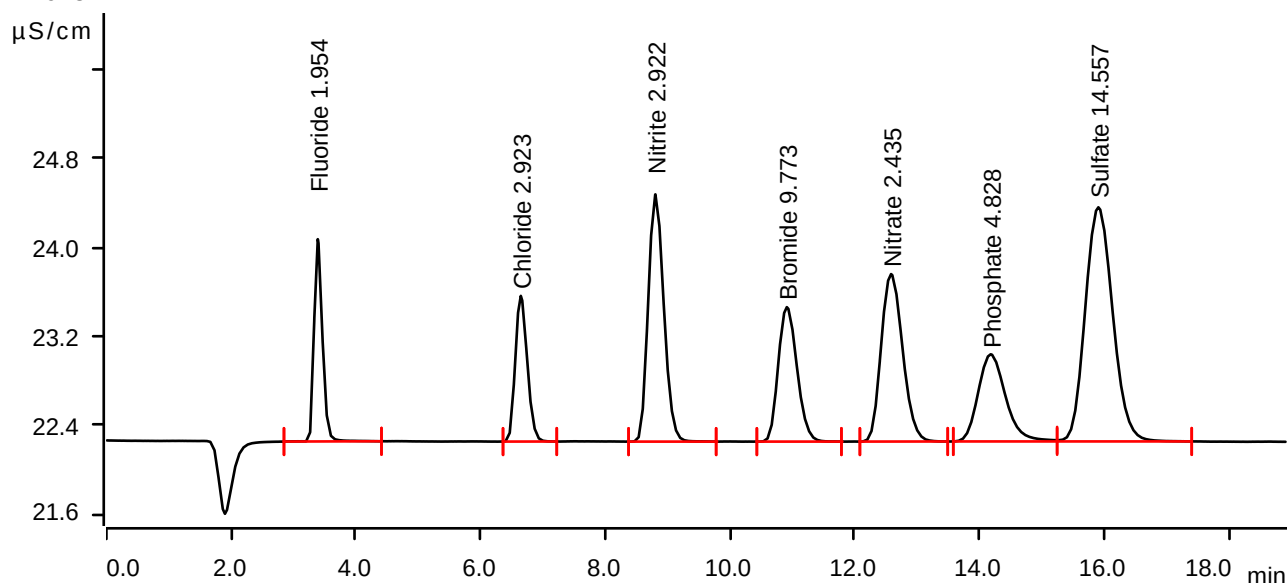
Sample data

Ident STD5
Sample type Standard 5
Determination start 2025-10-09 12:12:34 UTC-4
Method IC1-100925
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 13.06 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.2819	1.816	1.954	Fluoride
2	6.645	0.2909	1.308	2.923	Chloride
3	8.803	0.6446	2.221	2.922	Nitrite
4	10.910	0.4207	1.208	9.773	Bromide
5	12.582	0.6001	1.504	2.435	Nitrate
6	14.178	0.3988	0.783	4.828	Phosphate
7	15.905	1.0776	2.103	14.557	Sulfate

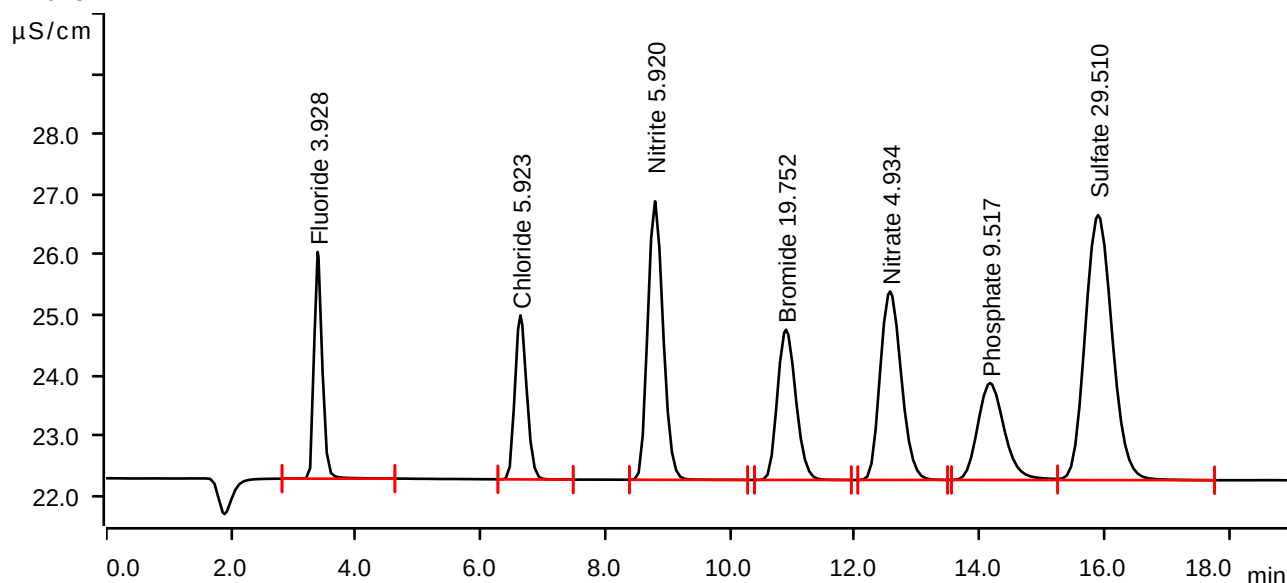
Sample data

Ident STD6
Sample type Standard 6
Determination start 2025-10-09 12:34:00 UTC-4
Method IC1-100925
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 13.06 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	3.388	0.5707	3.761	3.928	Fluoride
2	6.638	0.5955	2.722	5.923	Chloride
3	8.797	1.3228	4.622	5.920	Nitrite
4	10.897	0.8574	2.493	19.752	Bromide
5	12.565	1.2307	3.128	4.934	Nitrate
6	14.170	0.7975	1.608	9.517	Phosphate
7	15.900	2.2162	4.397	29.510	Sulfate

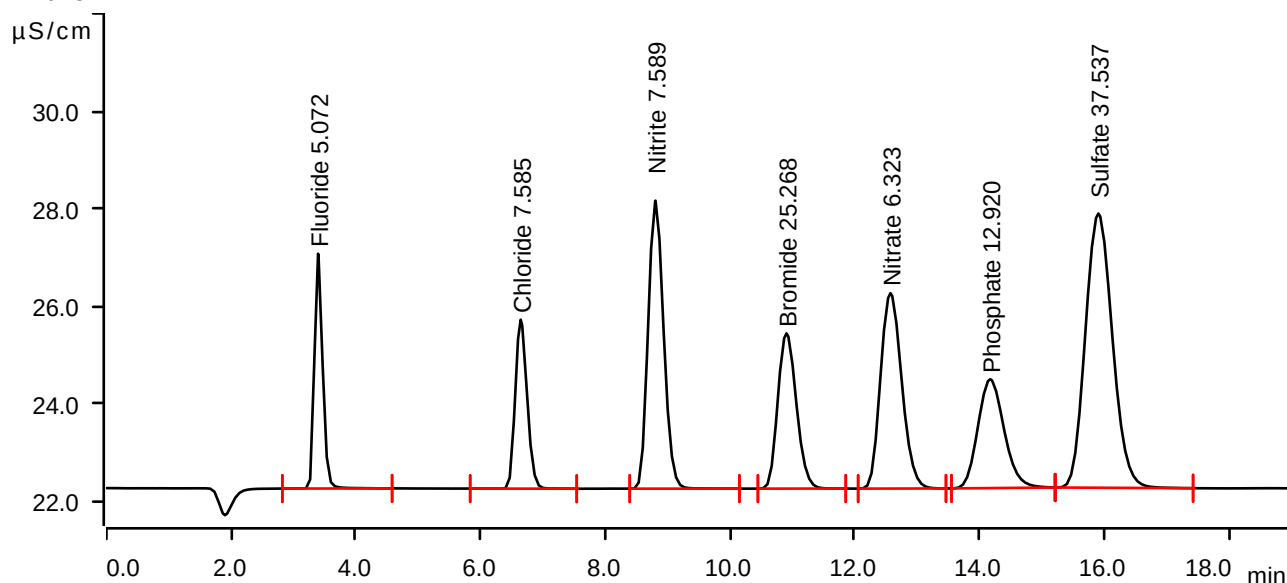
Sample data

Ident STD7
Sample type Standard 7
Determination start 2025-10-09 12:55:27 UTC-4
Method IC1-100925
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 13.01 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.395	0.7379	4.813	5.072	Fluoride
2	6.643	0.7642	3.464	7.585	Chloride
3	8.805	1.7004	5.904	7.589	Nitrite
4	10.905	1.0987	3.182	25.268	Bromide
5	12.572	1.5811	4.005	6.323	Nitrate
6	14.172	1.0869	2.232	12.920	Phosphate
7	15.905	2.8273	5.621	37.537	Sulfate

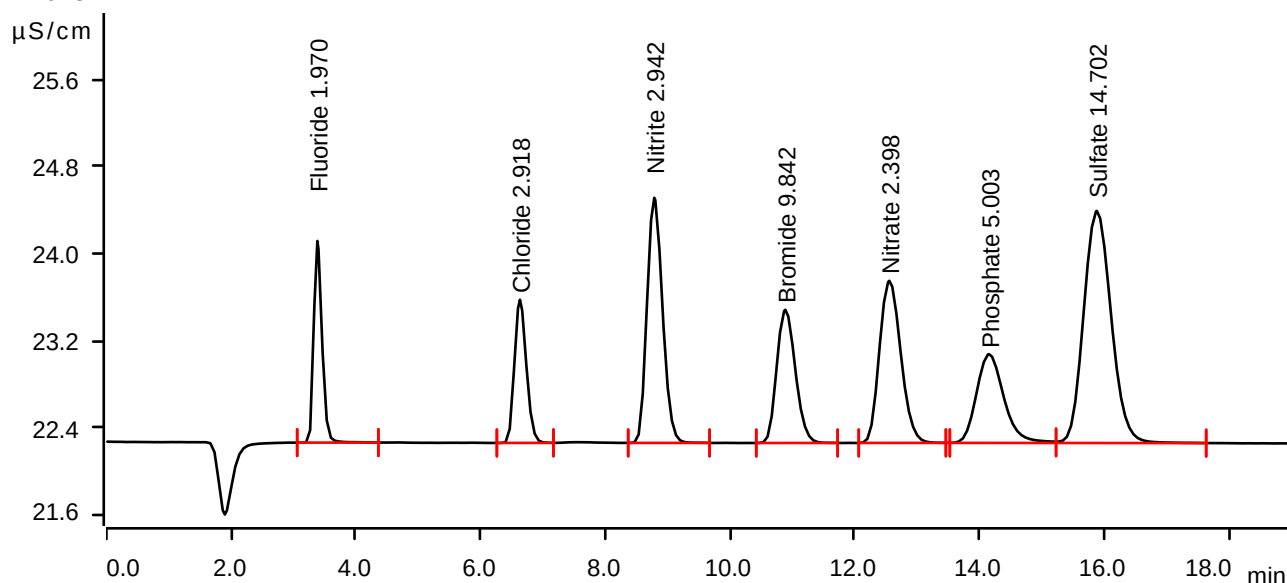
Sample data

Ident ICV
Sample type Check standard 1
Determination start 2025-10-09 13:16:55 UTC-4
Method IC1-100925
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 13.23 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



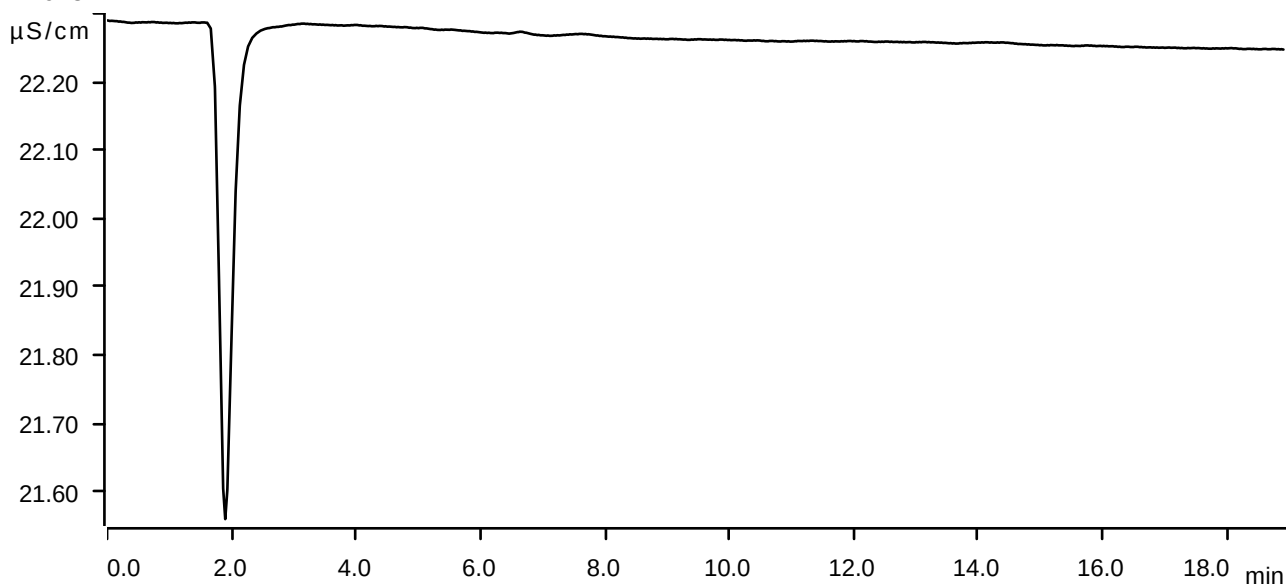
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.383	0.2843	1.850	1.970	Fluoride
2	6.632	0.2904	1.314	2.918	Chloride
3	8.785	0.6491	2.249	2.942	Nitrite
4	10.887	0.4238	1.222	9.842	Bromide
5	12.553	0.5909	1.487	2.398	Nitrate
6	14.152	0.4137	0.815	5.003	Phosphate
7	15.880	1.0887	2.130	14.702	Sulfate

Sample data

Ident ICB
Sample type Sample
Determination start 2025-10-09 13:38:24 UTC-4
Method IC1-100925
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 13.12 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

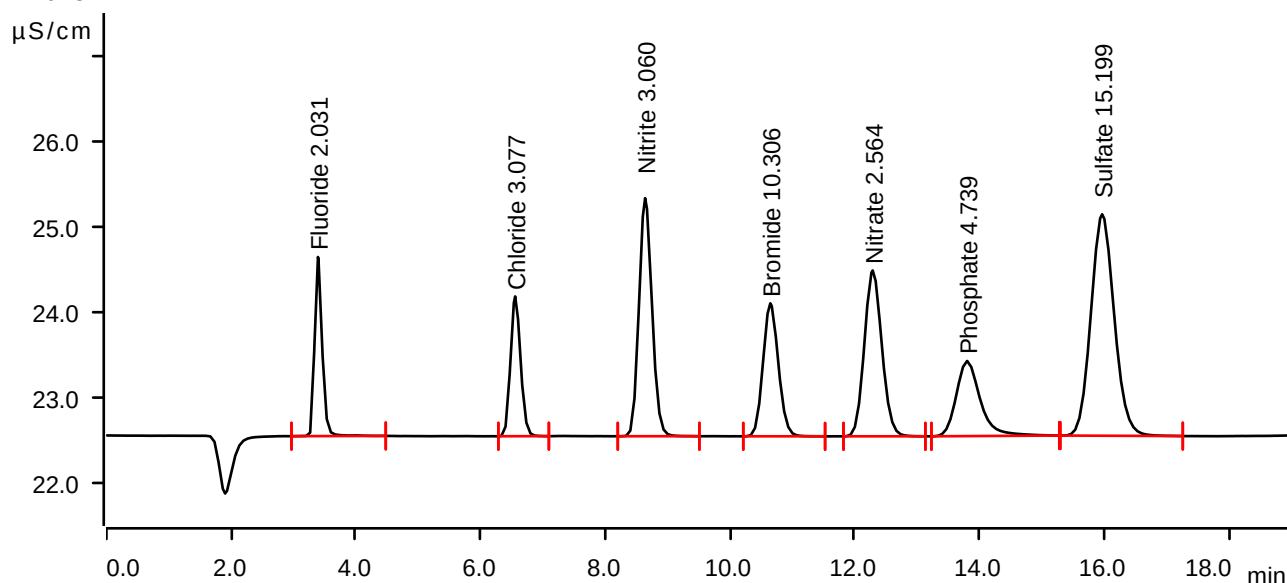
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-10-27 11:38:33 UTC-4
Method IC1-100925
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.39 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.2932	2.098	2.031	Fluoride
2	6.555	0.3066	1.637	3.077	Chloride
3	8.638	0.6757	2.789	3.060	Nitrite
4	10.645	0.4441	1.558	10.306	Bromide
5	12.287	0.6328	1.943	2.564	Nitrate
6	13.800	0.3912	0.880	4.739	Phosphate
7	15.965	1.1265	2.594	15.199	Sulfate

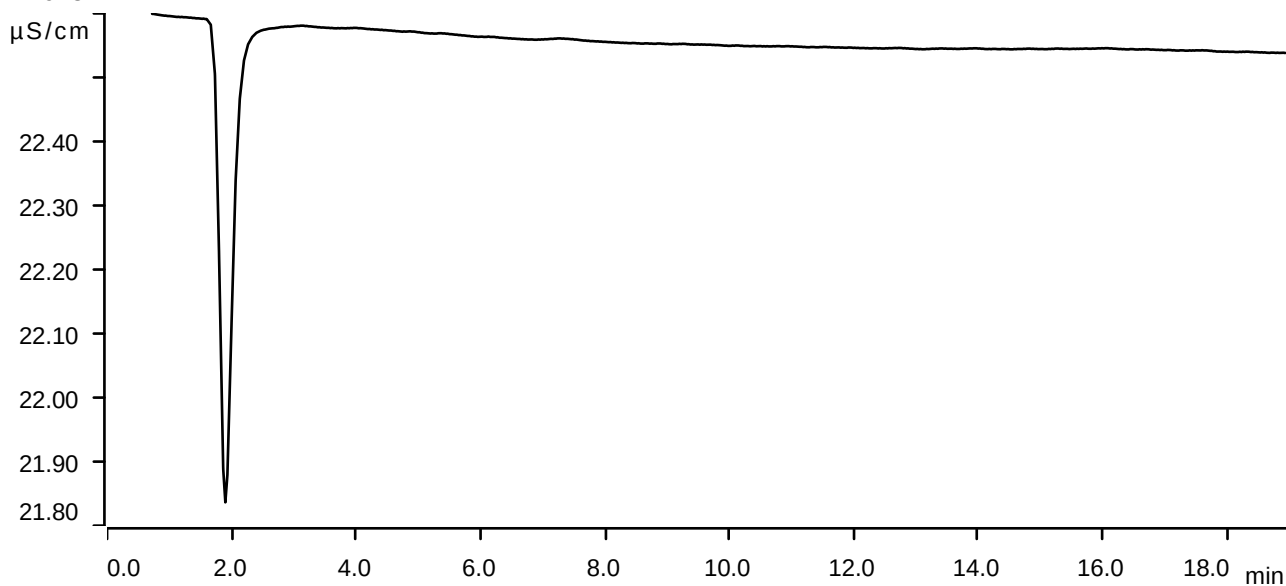
Sample data

Ident CCB
Sample type Sample
Determination start 2025-10-27 12:00:03 UTC-4
Method IC1-100925
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



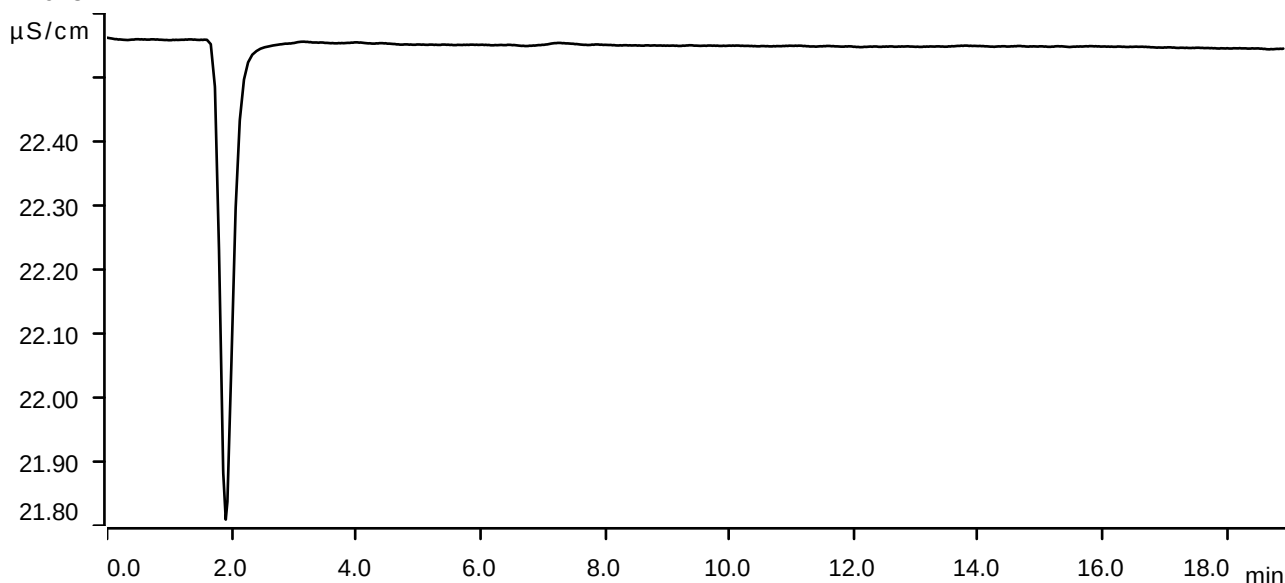
Sample data

Ident LB137654BLW
Sample type Sample
Determination start 2025-10-27 12:21:33 UTC-4
Method IC1-100925
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



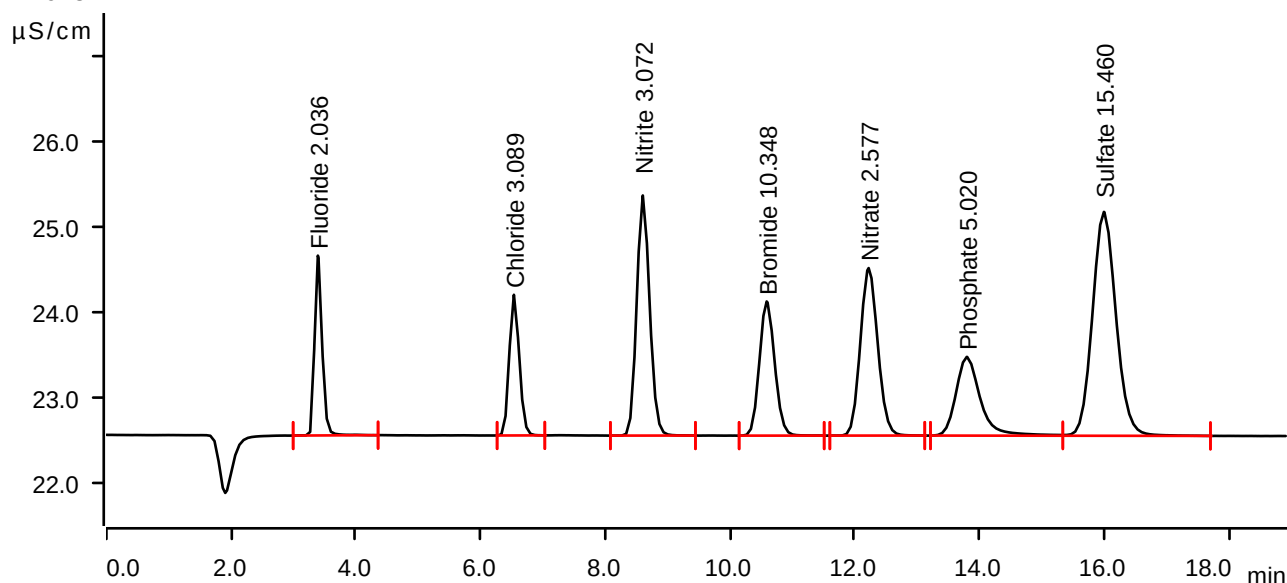
Sample data

Ident LB137654BSW
Sample type Check standard 1
Determination start 2025-10-27 12:43:04 UTC-4
Method IC1-100925
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	3.392	0.2939	2.106	2.036	Fluoride
2	6.535	0.3078	1.647	3.089	Chloride
3	8.602	0.6784	2.812	3.072	Nitrite
4	10.587	0.4459	1.571	10.348	Bromide
5	12.222	0.6361	1.962	2.577	Nitrate
6	13.795	0.4151	0.922	5.020	Phosphate
7	15.993	1.1464	2.623	15.460	Sulfate

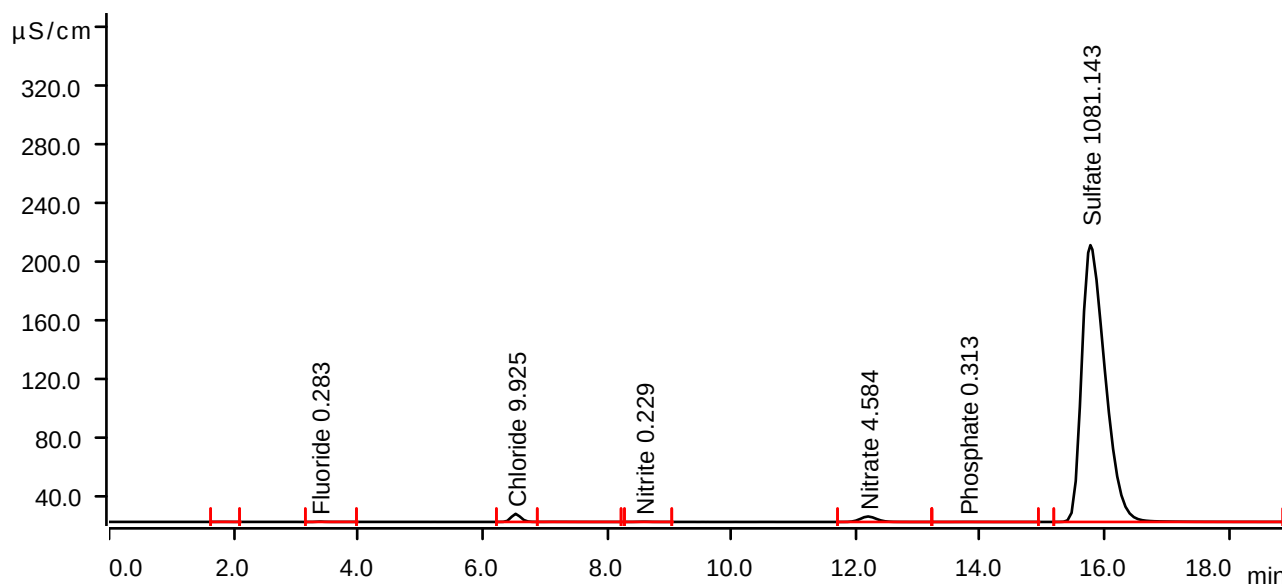
Sample data

Ident Q3464-01
Sample type Sample
Determination start 2025-10-27 13:04:36 UTC-4
Method IC1-100925
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	1.835	0.0080	0.044	invalid	
2	3.385	0.0375	0.224	0.283	Fluoride
3	6.535	1.0018	5.512	9.925	Chloride
4	7.152	0.0353	0.066	invalid	
5	8.590	0.0352	0.151	0.229	Nitrite
6	12.197	1.1425	3.713	4.584	Nitrate
7	13.798	0.0149	0.031	0.313	Phosphate
8	15.770	82.2878	189.149	1081.143	Sulfate

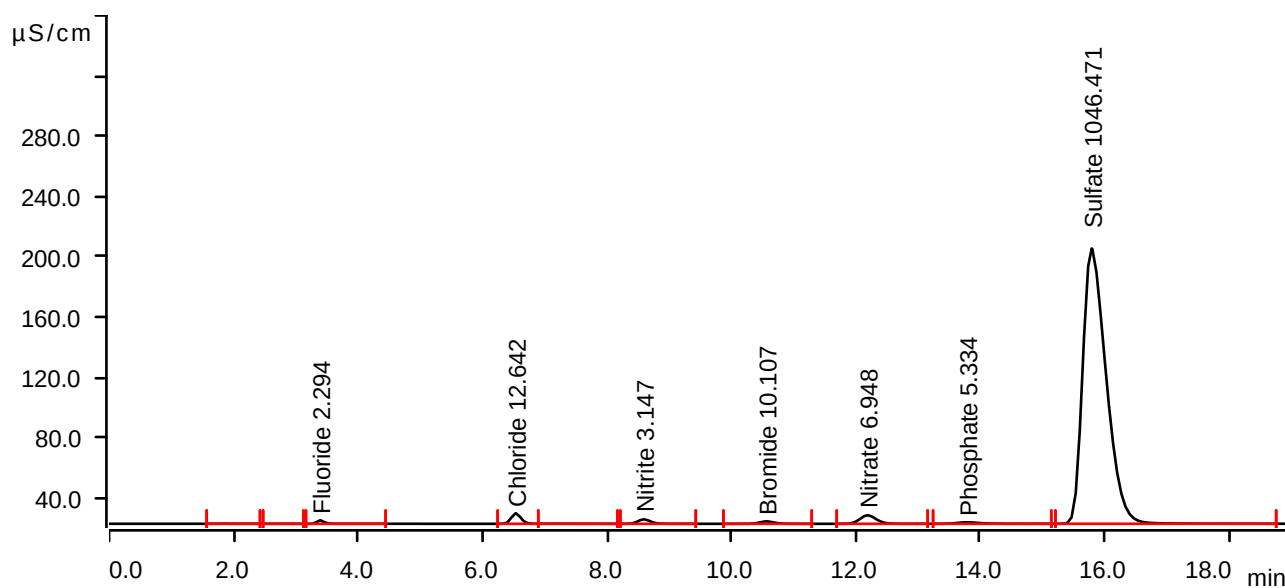
Sample data

Ident Q3464-01MS
Sample type Sample
Determination start 2025-10-27 13:26:10 UTC-4
Method IC1-100925
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 ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	1.860	0.0142	0.061	invalid	
2	2.800	0.0077	0.017	invalid	
3	3.392	0.3316	2.332	2.294	Fluoride
4	6.537	1.2777	7.027	12.642	Chloride
5	7.175	0.0337	0.063	invalid	
6	8.593	0.6955	2.982	3.147	Nitrite
7	10.565	0.4354	1.591	10.107	Bromide
8	12.190	1.7390	5.676	6.948	Nitrate
9	13.792	0.4418	1.015	5.334	Phosphate
10	15.790	79.6479	182.747	1046.471	Sulfate

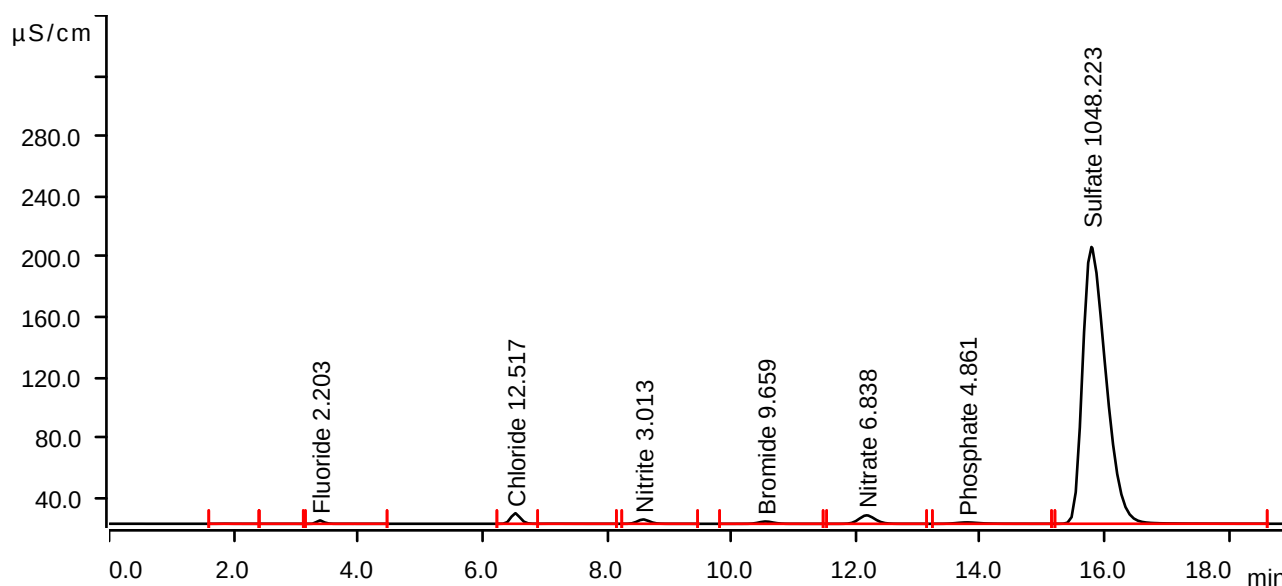
Sample data

Ident Q3464-01MSD
Sample type Sample
Determination start 2025-10-27 13:47:43 UTC-4
Method IC1-100925
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	1.855	0.0139	0.061	invalid	
2	2.732	0.0086	0.016	invalid	
3	3.388	0.3183	2.243	2.203	Fluoride
4	6.528	1.2650	6.985	12.517	Chloride
5	7.162	0.0339	0.064	invalid	
6	8.583	0.6651	2.864	3.013	Nitrite
7	10.552	0.4157	1.524	9.659	Bromide
8	12.173	1.7111	5.612	6.838	Nitrate
9	13.783	0.4016	0.913	4.861	Phosphate
10	15.787	79.7813	183.731	1048.223	Sulfate

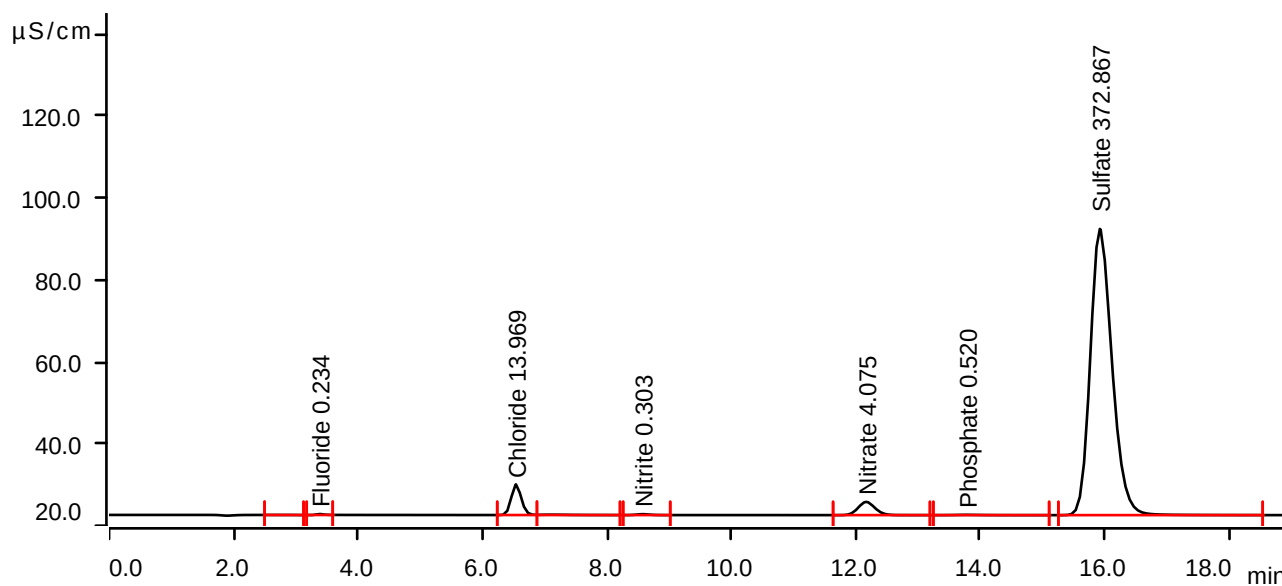
Sample data

Ident Q3464-02
Sample type Sample
Determination start 2025-10-27 14:09:18 UTC-4
Method IC1-100925
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	2.793	0.0057	0.013	invalid	
2	3.387	0.0304	0.223	0.234	Fluoride
3	6.540	1.4124	7.476	13.969	Chloride
4	7.113	0.0511	0.098	invalid	
5	8.575	0.0519	0.220	0.303	Nitrite
6	12.167	1.0139	3.226	4.075	Nitrate
7	13.787	0.0324	0.073	0.520	Phosphate
8	15.922	28.3595	69.851	372.867	Sulfate

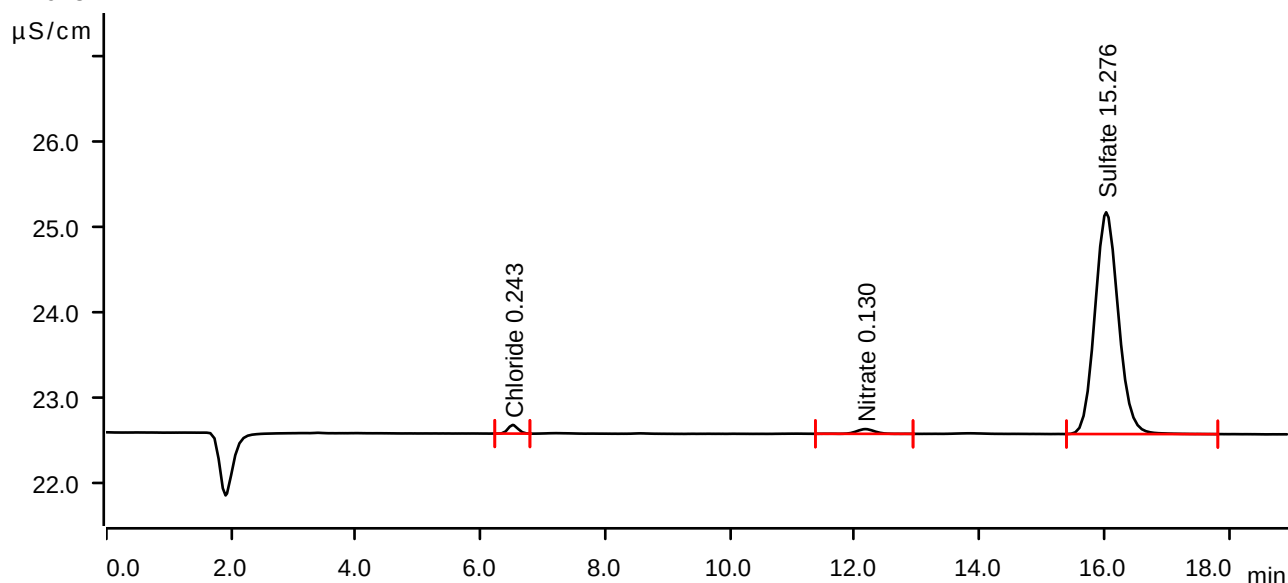
Sample data

Ident Q3464-01DLX50
Sample type Sample
Determination start 2025-10-27 14:30:53 UTC-4
Method IC1-100925
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	6.515	0.0188	0.102	0.243	Chloride
2	12.165	0.0185	0.056	0.130	Nitrate
3	16.030	1.1324	2.598	15.276	Sulfate

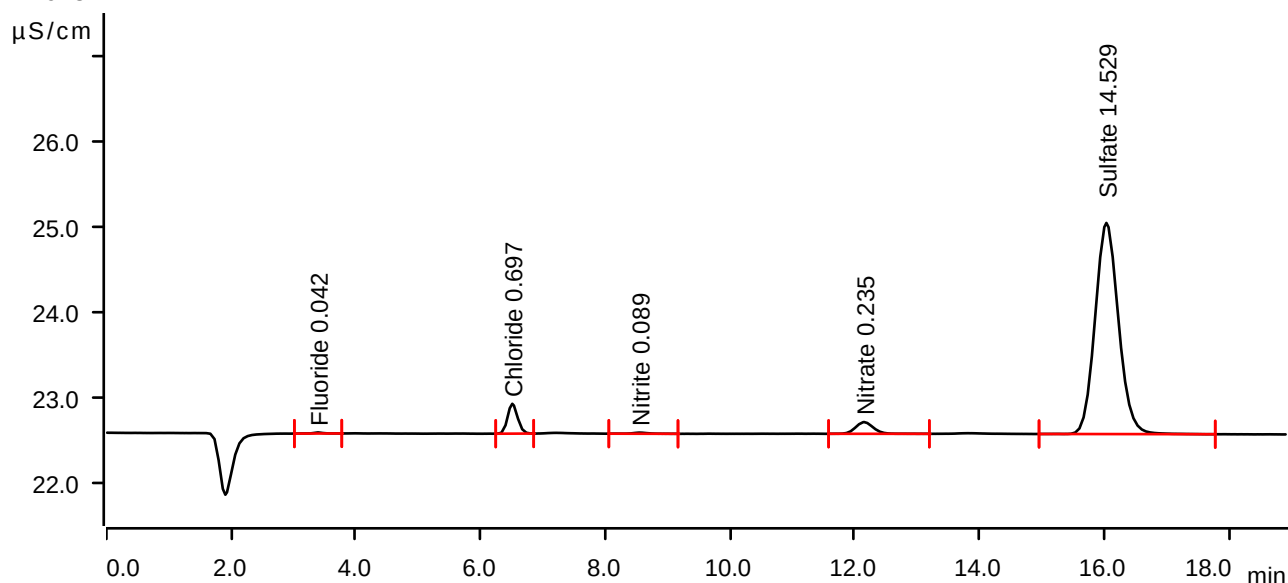
Sample data

Ident Q3464-02DLX20
Sample type Sample
Determination start 2025-10-27 14:52:26 UTC-4
Method IC1-100925
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	3.390	0.0023	0.012	0.042	Fluoride
2	6.508	0.0649	0.350	0.697	Chloride
3	8.547	0.0036	0.013	0.089	Nitrite
4	12.150	0.0451	0.137	0.235	Nitrate
5	16.033	1.0755	2.473	14.529	Sulfate

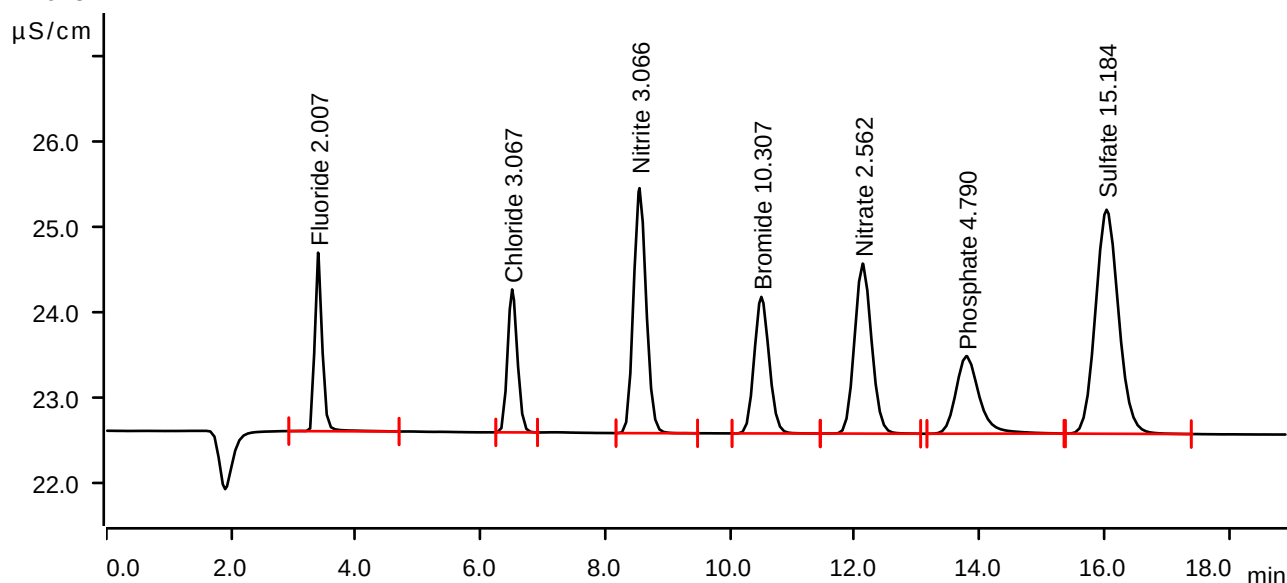
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-10-27 15:13:59 UTC-4
Method IC1-100925
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



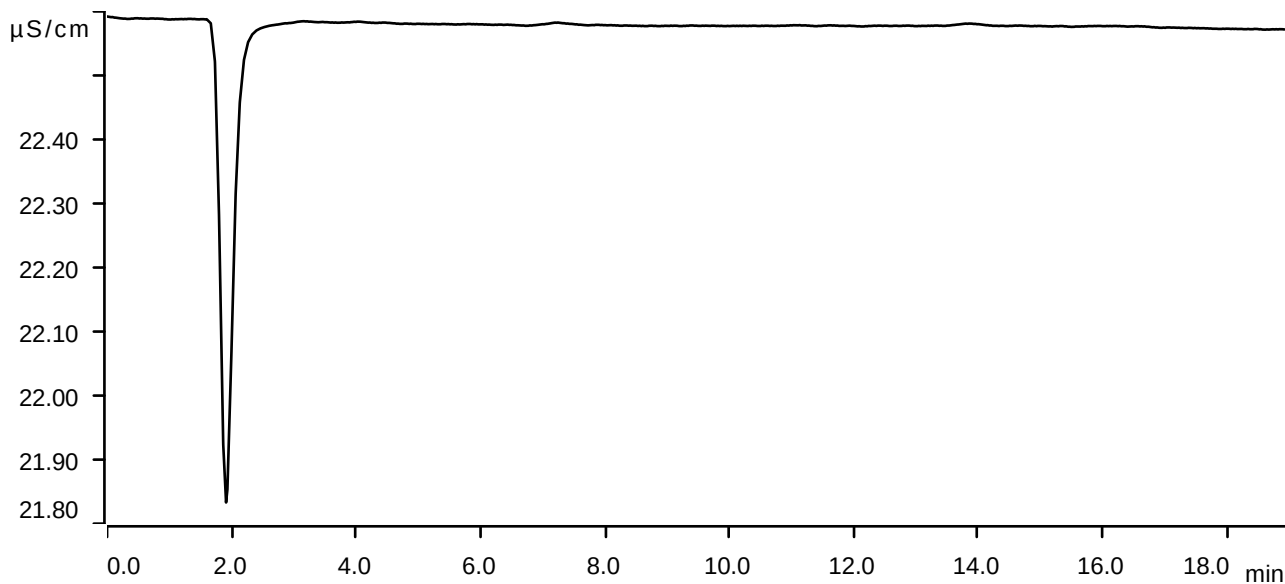
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.395	0.2897	2.091	2.007	Fluoride
2	6.507	0.3055	1.675	3.067	Chloride
3	8.548	0.6772	2.870	3.066	Nitrite
4	10.502	0.4441	1.600	10.307	Bromide
5	12.127	0.6323	1.992	2.562	Nitrate
6	13.788	0.3955	0.909	4.790	Phosphate
7	16.037	1.1254	2.624	15.184	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-10-27 15:35:29 UTC-4
Method IC1-100925
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

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137720

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP114659
COD calibration std. 100 ppm	WP114658
COD calibration std. 50 ppm	WP114656
COD calibration std. 10 ppm	WP114655
COD calibration std. 0 ppm	WP114654
COD ICV-LCS std, 50ppm	WP114661
COD calibration std. 75 ppm	WP114657
COD Digestion Vials Low Level 0-150Mg/L	W3230
COD CCV std, 50ppm	WP115326
COD ICV-LCS std, 50ppm	WP115327
RL CHECK	WP115328

Temp In (C): 148	Date In: 10/30/2025	Time In: 10:15
Temp Out (C): 150	Date Out: 10/30/2025	Time Out: 12:15

Intercept: 0.3943

Slope: 0.9887

Regression: 0.9996

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	-0.399		09/08/2025	13:30
2	CAL2	10	1	Water	9.000	8.704	-13	09/08/2025	13:30
3	CAL3	50	1	Water	51.000	51.184	2.4	09/08/2025	13:31
4	CAL4	75	1	Water	77.000	77.481	3.3	09/08/2025	13:31
5	CAL5	100	1	Water	98.000	98.721	-1.3	09/08/2025	13:32
6	CAL6	150	1	Water	148.000	149.293	-0.5	09/08/2025	13:32

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137720

Seq	Lab ID	True Value (mg/l)	Initial Weight (g)	Final Vol (ml)	DF	MATRIX	Reading	Result	AnalDate	AnalTime
1	ICV	50	NA	NA	1	Water	50.000	50.173	09/08/2025	13:33
2	ICB		NA	NA	1	Water	1.000	0.613	09/08/2025	13:33
3	CCV1	50	NA	NA	1	Water	49.000	49.161	10/30/2025	13:50
4	CCB1		NA	NA	1	Water	1.000	0.613	10/30/2025	13:50
5	RL Check	10	NA	NA	1	Water	11.000	10.727	10/30/2025	13:51
6	LB137720BL		NA	NA	1	Water	1.000	0.613	10/30/2025	13:51
7	LB137720BS	50	NA	NA	1	Water	51.000	51.184	10/30/2025	13:52
8	Q3464-01		NA	NA	1	Water	26.000	25.898	10/30/2025	13:52
9	Q3464-01DUP		NA	NA	1	Water	25.000	24.887	10/30/2025	13:53
10	Q3464-01MS	50	NA	NA	1	Water	73.000	73.436	10/30/2025	13:53
11	Q3464-01MSD	50	NA	NA	1	Water	75.000	75.458	10/30/2025	13:54
12	Q3464-02		NA	NA	1	Water	37.000	37.024	10/30/2025	13:54
13	Q3477-03		NA	NA	1	Water	1.000	0.613	10/30/2025	13:55
14	CCV2	50	NA	NA	1	Water	48.000	48.150	10/30/2025	13:55
15	CCB2		NA	NA	1	Water	0.000	-0.399	10/30/2025	13:56

WORKLIST(Hardcopy Internal Chain)

LB 137720

WorkList Name : COD-103025

WorkList ID : 192789

Department : Wet-Chemistry

Date : 10-30-2025 09:31:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3464-01	MW2	Water	COD	Conc H2SO4 to pH < 2	GENV01	J51	10/24/2025	SM5220 D
Q3464-02	MW3	Water	COD	Conc H2SO4 to pH < 2	GENV01	J51	10/24/2025	SM5220 D
Q3477-03	SOUTH-MAHWAH-WATER	Water	COD	Conc H2SO4 to pH < 2	PSEG03	D41	10/28/2025	SM5220 D

Date/Time 10/30/25 09:45
Raw Sample Received by: 12/21
Raw Sample Relinquished by: [Signature]

Date/Time 10/30/25 10:25
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: 12/21

TitriSoft Report

Ident	Amount	DateTime	Alkalinity	Final pH (sample)	Initial pH (sample)	slope	offset
LB137753BLW	100	4/11/2025 8:30	0.00	3.57	4.20	105.7	6.84
LB137753BSW	100	4/11/2025 8:35	57.34	4.38	9.41	105.7	6.84
Q3464-01	50	4/11/2025 8:41	136.24	4.29	6.94	105.7	6.84
Q3464-01DUP	50	4/11/2025 8:46	135.78	4.32	6.97	105.7	6.84
Q3464-02	50	4/11/2025 8:50	257.72	4.27	6.81	105.7	6.84

11/04/2025

EM
11/4/25

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137654

Review By	rubina	Review On	10/30/2025 9:13:04 AM
Supervise By	Iwona	Supervise On	10/30/2025 10:03:16 AM
SubDirectory	LB137654	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP115135,WP115136,WP115137,WP115138,WP115139,WP115140,WP115141		
ICV Standard	WP115142		
CCV Standard	WP115346		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115347		
Chk Standard	WP115144,WP115345		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	10/09/25 10:46	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	10/09/25 11:08	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	10/09/25 11:29	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	10/09/25 11:51		RM/IZ	OK
5	STD5	STD5	CAL5	10/09/25 12:12		RM/IZ	OK
6	STD6	STD6	CAL6	10/09/25 12:34		RM/IZ	OK
7	STD7	STD7	CAL7	10/09/25 12:55		RM/IZ	OK
8	ICV1	ICV1	ICV	10/09/25 13:16		RM/IZ	OK
9	ICB1	ICB1	ICB	10/09/25 13:38		RM/IZ	OK
10	CCV1	CCV1	CCV	10/27/25 11:38		RM/IZ	OK
11	CCB1	CCB1	CCB	10/27/25 12:00		RM/IZ	OK
12	LB137654BLW	LB137654BLW	MB	10/27/25 12:21		RM/IZ	OK
13	LB137654BSW	LB137654BSW	LCS	10/27/25 12:43		RM/IZ	OK
14	Q3464-01	MW2	SAM	10/27/25 13:04	SO4 is high , need dilution	RM/IZ	Dilution
15	Q3464-01MS	MW2MS	MS	10/27/25 13:26	9.5ml of sample, 0.5mL W3096	RM/IZ	OK
16	Q3464-01MSD	MW2MSD	MSD	10/27/25 13:47	9.5ml of sample, 0.5mL W3096	RM/IZ	OK
17	Q3464-02	MW3	SAM	10/27/25 14:09	SO4 is high , need dilution	RM/IZ	Dilution
18	Q3464-01DL	MW2DL	SAM	10/27/25 14:30	50X For SO4	RM/IZ	Confirms

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137654

Review By	rubina	Review On	10/30/2025 9:13:04 AM
Supervise By	Iwona	Supervise On	10/30/2025 10:03:16 AM
SubDirectory	LB137654	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP115135,WP115136,WP115137,WP115138,WP115139,WP115140,WP115141		
ICV Standard	WP115142		
CCV Standard	WP115346		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115347		
Chk Standard	WP115144,WP115345		

19	Q3464-02DL	MW3DL	SAM	10/27/25 14:52	20X For SO2	RM/IZ	Confirms
20	CCV2	CCV2	CCV	10/27/25 15:13		RM/IZ	OK
21	CCB2	CCB2	CCB	10/27/25 15:35		RM/IZ	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137720

Review By	Iwona	Review On	10/30/2025 2:26:38 PM
Supervise By	jignesh	Supervise On	10/30/2025 3:34:51 PM
SubDirectory	LB137720	Test	COD
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	N/A		
Chk Standard	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115326,WP115327,WP1		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/08/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	09/08/25 13:30		Iwona	OK
3	CAL3	CAL3	CAL	09/08/25 13:31		Iwona	OK
4	CAL4	CAL4	CAL	09/08/25 13:31		Iwona	OK
5	CAL5	CAL5	CAL	09/08/25 13:32		Iwona	OK
6	CAL6	CAL6	CAL	09/08/25 13:32		Iwona	OK
7	ICV	ICV	ICV	09/08/25 13:33		Iwona	OK
8	ICB	ICB	ICB	09/08/25 13:33		Iwona	OK
9	CCV1	CCV1	CCV	10/30/25 13:50		Iwona	OK
10	CCB1	CCB1	CCB	10/30/25 13:50		Iwona	OK
11	RL Check	RL Check	RL	10/30/25 13:51		Iwona	OK
12	LB137720BL	LB137720BL	MB	10/30/25 13:51		Iwona	OK
13	LB137720BS	LB137720BS	LCS	10/30/25 13:52		Iwona	OK
14	Q3464-01	MW2	SAM	10/30/25 13:52		Iwona	OK
15	Q3464-01DUP	MW2DUP	DUP	10/30/25 13:53		Iwona	OK
16	Q3464-01MS	MW2MS	MS	10/30/25 13:53		Iwona	OK
17	Q3464-01MSD	MW2MSD	MSD	10/30/25 13:54		Iwona	OK
18	Q3464-02	MW3	SAM	10/30/25 13:54		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137720

Review By	Iwona	Review On	10/30/2025 2:26:38 PM
Supervise By	jignesh	Supervise On	10/30/2025 3:34:51 PM
SubDirectory	LB137720	Test	COD
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	N/A		
Chk Standard	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115326,WP115327,WP1		

19	Q3477-03	SOUTH-MAHWAH-W	SAM	10/30/25 13:55		Iwona	OK
20	CCV2	CCV2	CCV	10/30/25 13:55		Iwona	OK
21	CCB2	CCB2	CCB	10/30/25 13:56		Iwona	OK

Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QC Batch ID # LB137753

Review By	rubina	Review On	11/5/2025 10:42:04 AM
Supervise By	Iwona	Supervise On	11/5/2025 12:21:21 PM
SubDirectory	LB137753	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	WP115422		
Chk Standard	W3217,W3178,W3150		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137753BLW	LB137753BLW	MB	11/04/25 08:30	pH=3.57	Eman	OK
2	LB137753BSW	LB137753BSW	LCS	11/04/25 08:35	pH=4.38	Eman	OK
3	Q3464-01	MW2	SAM	11/04/25 08:41	pH=4.29	Eman	OK
4	Q3464-01DUP	MW2DUP	DUP	11/04/25 08:46	pH=4.32	Eman	OK
5	Q3464-02	MW3	SAM	11/04/25 08:50	pH=4.27	Eman	OK



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: **G Environmental**
ADDRESS: **8 CARRIAGE**
CITY: **Succasunna** STATE: **NJ** ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Buffington**
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) **Standard** DAYS*
HARDCOPY (DATA PACKAGE): **Standard** DAYS*
EDD: 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
EDD FORMAT **Hardcopy**

ICL Test L
Sulfate
Alkalinity
Sodium Fe, Mn
COB

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		A	E	E	Na ₂ S ₂ O ₃	C						← Specify Preservatives A-HCl D-NaOH B-HNO ₃ E-ICE C-H ₂ SO ₄ F-OTHER
1.	MW2	GW		X	10/24/25	0935	5	X	X	X	X	X						
2.	MW3	GW		X	10/24/25	0935	5	X	X	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: 1. HA	DATE/TIME: 10/24/25 1350	RECEIVED BY: 1. Q2	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: Sodium Manganese Iron
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3464	GENV01	Order Date : 10/24/2025 2:03:00 PM	Project Mgr :
Client Name : G Environmental		Project Name : Buffington	Report Type : NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 10/24/2025 1:50:00 PM	EDD Type : NJ HAZSITE
Invoice Name : G Environmental		Purchase Order :	Hard Copy Date :
Invoice Contact : Gary Landis			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3464-01	MW2	Water	10/24/2025	09:35					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q3464-02	MW3	Water	10/24/2025	09:55					
					VOCMS Group1		8260-Low	10 Bus. Days	

pg 4

Relinquished By :

CP

Date / Time : 10/24/25 14:16

Received By :

Sam

Date / Time : 10/24/25 14:16

Storage Area : VOA Refridgerator Room