Instrumen IC-1 Analyst : RM Method: 300.0 / 9056A

Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method name	date time	Initial wt/Final	Analyst
STD1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/3/2025 15:58	10	RM/IZ
STD2	0.417	0.655	0.659	2.182	0.549	0.953	3.345	IC1-110325	11/3/2025 16:22	10	RM/IZ
STD3	0.813	1.228	1.228	4.086	1.024	2.097	6.147	IC1-110325	11/3/2025 17:04	10	RM/IZ
STD4	1.014	1.491	1.496	4.984	1.245	2.506	7.444	IC1-110325	11/3/2025 17:47	10	RM/IZ
STD5	1.966	2.918	2.907	9.724	2.426	5.166	14.580	IC1-110325	11/3/2025 18:08	10	RM/IZ
STD6	3.912	5.914	5.907	19.694	4.918	9.286	29.234	IC1-110325	11/3/2025 18:30	10	RM/IZ
STD7	5.078	7.595	7.603	25.330	6.339	12.992	37.751	IC1-110325	11/3/2025 18:51	10	RM/IZ
ICV	1.960	2.885	2.908	9.698	2.364	5.176	14.547	IC1-110325	11/3/2025 19:13	10	RM/IZ
ICB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/3/2025 19:34	10	RM/IZ
CCV	2.104	3.156	3.127	10.467	2.586	4.656	15.399	IC1-110325	11/12/2025 9:29	10	RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/12/2025 9:51	10	RM/IZ
LB137882BLS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/12/2025 10:12	5.00g/100mL	RM/IZ
LB137882BSS	2.103	3.155	3.128	10.482	2.599	4.956	15.620	IC1-110325	11/12/2025 10:34	5.00g/100mL	RM/IZ
Q3609-01	0.322	0.634	0.000	0.000	0.091	0.000	1.112	IC1-110325	11/12/2025 15:19	5.02g/100mL	RM/IZ
Q3609-04	0.268	0.497	0.000	0.000	0.333	0.000	0.981	IC1-110325	11/12/2025 15:41	5.04g/100mL	RM/IZ
Q3609-04MS	1.833	3.470	2.990	10.016	2.618	3.536	15.365	IC1-110325	11/12/2025 16:02	5.06g/100mL	RM/IZ
Q3609-04MSD	1.832	3.460	2.993	10.041	2.619	3.506	15.187	IC1-110325	11/12/2025 16:24	5.02g/100mL	RM/IZ
Q3609-07	0.000	0.507	0.000	0.000	0.093	0.000	1.333	IC1-110325	11/12/2025 16:46	5.03g/100mL	RM/IZ
Q3609-10	0.110	5.725	0.000	0.000	0.000	0.000	1.998	IC1-110325	11/12/2025 17:07	5.05g/100mL	RM/IZ
Q3609-13	0.195	5.672	0.000	0.000	0.104	0.000	2.450	IC1-110325	11/12/2025 17:29	5.04g/100mL	RM/IZ
Q3614-01	0.312	0.180	0.000	0.000	0.091	0.000	0.846	IC1-110325	11/12/2025 17:50	5.08g/100mL	RM/IZ
CCV	2.100	3.164	3.137	10.521	2.594	4.963	15.459	IC1-110325	11/12/2025 18:12	10	RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/12/2025 18:33	10	RM/IZ
Q3614-02	0.267	0.334	0.000	0.000	0.088	0.000	0.863	IC1-110325	11/12/2025 19:38	5.03g/100mL	RM/IZ
Q3614-03	0.249	0.529	0.000	0.000	0.088	0.000	0.724	IC1-110325	11/12/2025 19:59	5.04g/100mL	RM/IZ
Q3530-03	0.221	0.342	0.355	1.208	0.311	0.595	1.866	IC1-110325	11/12/2025 20:21	5.00g/100mL	RM/IZ
Q3530-03RE 0.25ML	0.125	0.206	0.217	0.685	0.190	0.383	1.187	IC1-110325	11/12/2025 20:42	5.00g/100mL	RM/IZ
CCV	2.148	3.177	3.148	10.536	2.631	5.477	15.785	IC1-110325	11/12/2025 21:04	10	RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-110325	11/12/2025 21:25	10	RM/IZ

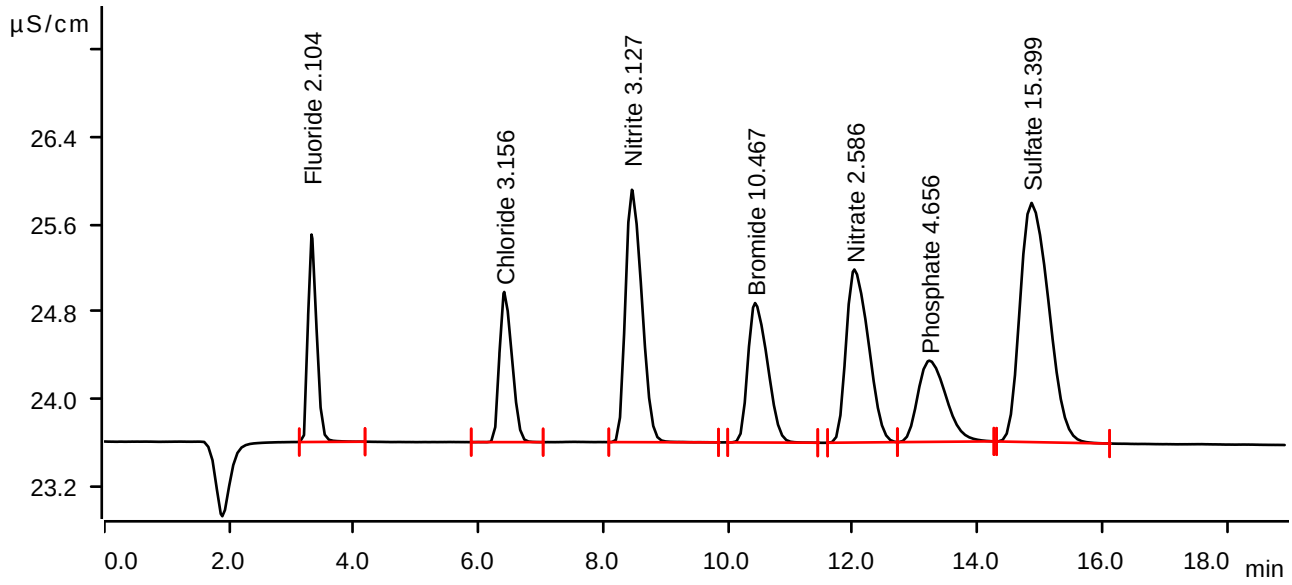
Sample data

Ident	CCV
Sample type	Check standard 1
Determination start	2025-11-12 09:29:52 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.84	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.322	0.3048	1.903	2.104	Fluoride
2	6.412	0.3211	1.378	3.156	Chloride
3	8.458	0.7043	2.316	3.127	Nitrite
4	10.433	0.4640	1.279	10.467	Bromide
5	12.025	0.6582	1.588	2.586	Nitrate
6	13.227	0.3916	0.746	4.656	Phosphate
7	14.865	1.1717	2.194	15.399	Sulfate

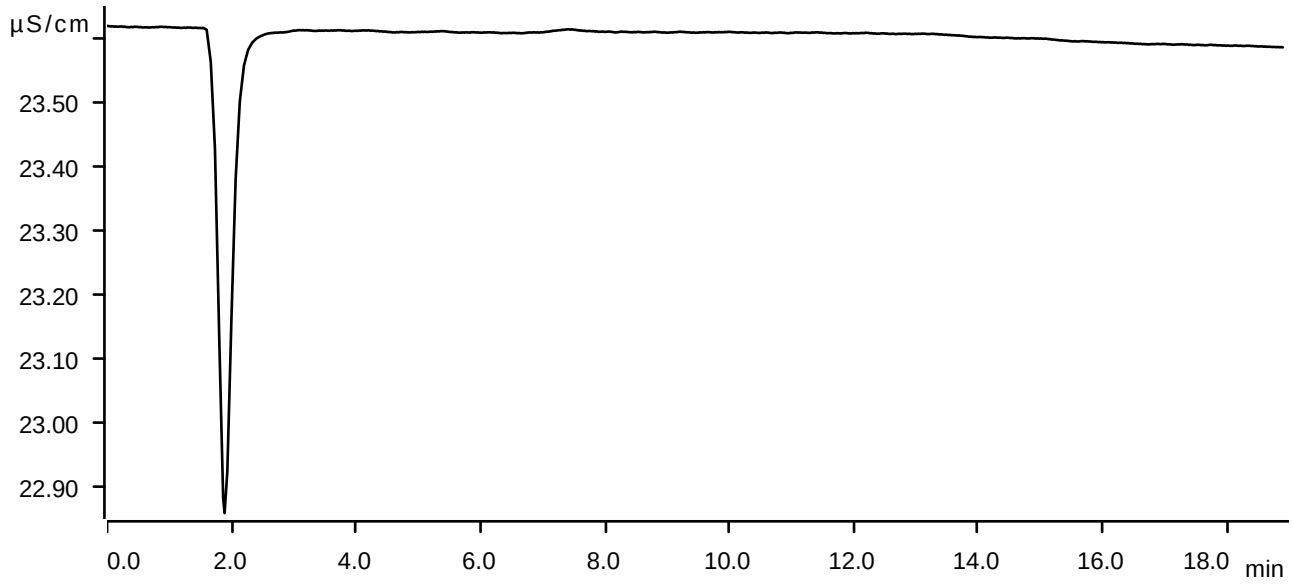
Sample data

Ident	CCB	
Sample type	Sample	
Determination start	2025-11-12 09:51:22 UTC-5	
Method	IC1-110325	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.84	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Reviewed By:Iwon
On:11/14/2025 2:0
PM
Inst Id :IC-1
LB :LB137882

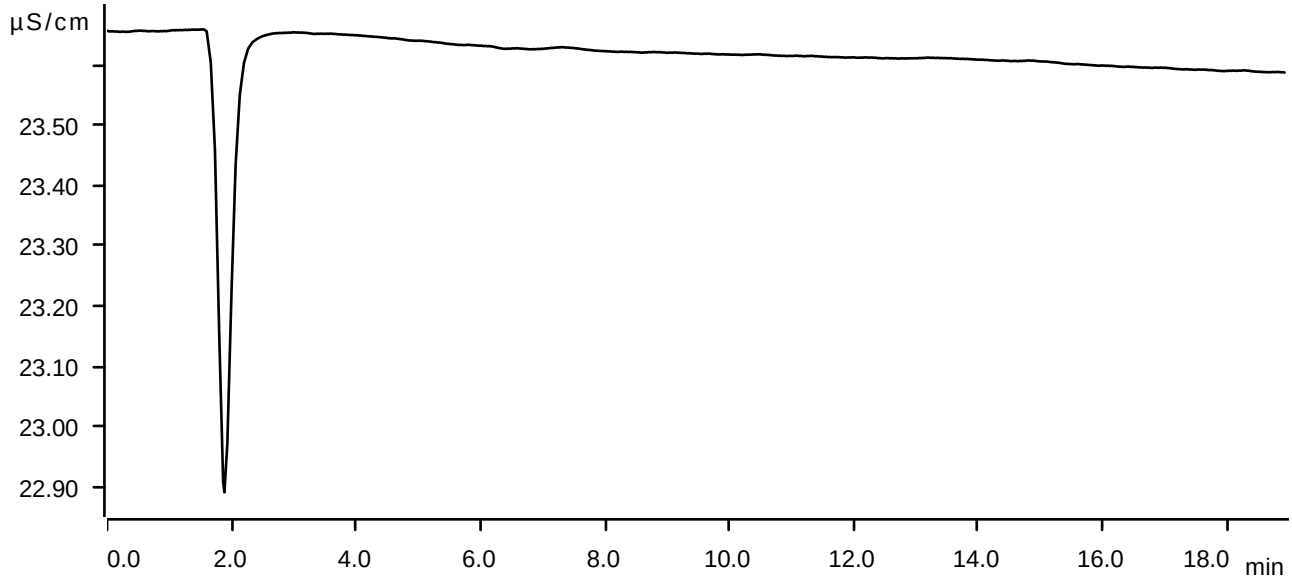
Sample data

Ident	LB137882BLS
Sample type	Sample
Determination start	2025-11-12 10:12:52 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.73	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



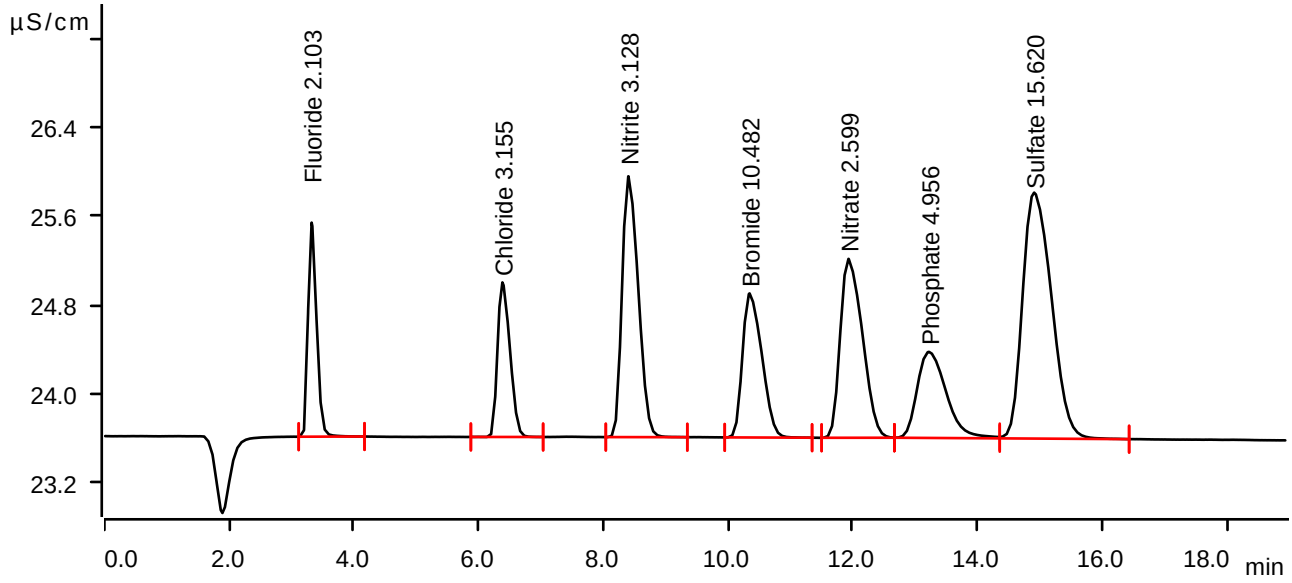
Sample data

Ident	LB137882BSS
Sample type	Check standard 1
Determination start	2025-11-12 10:34:23 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.56	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.323	0.3046	1.923	2.103	Fluoride
2	6.382	0.3211	1.388	3.155	Chloride
3	8.403	0.7047	2.342	3.128	Nitrite
4	10.345	0.4646	1.294	10.482	Bromide
5	11.930	0.6614	1.607	2.599	Nitrate
6	13.222	0.4167	0.773	4.956	Phosphate
7	14.907	1.1890	2.209	15.620	Sulfate

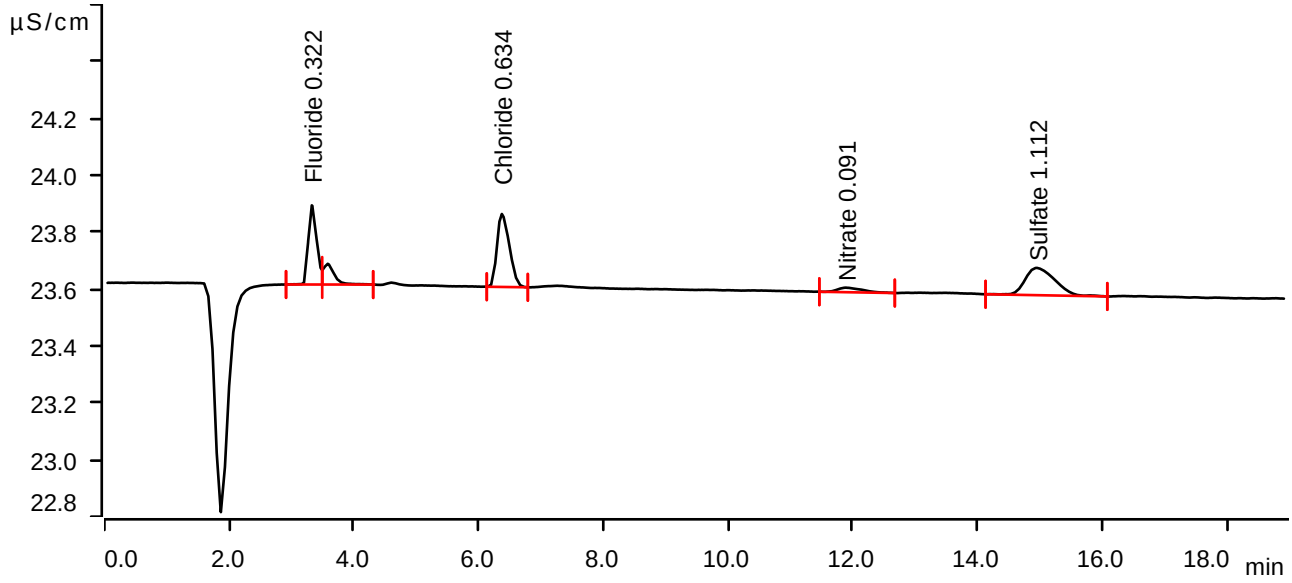
Sample data

Ident	Q3609-01
Sample type	Sample
Determination start	2025-11-12 15:19:43 UTC-5
Method	IC1-110325
Operator	

Anions

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

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.327	0.0436	0.278	0.322	Fluoride
2	3.580	0.0147	0.073	invalid	
3	6.373	0.0588	0.256	0.634	Chloride
4	11.888	0.0073	0.016	0.091	Nitrate
5	14.953	0.0529	0.096	1.112	Sulfate

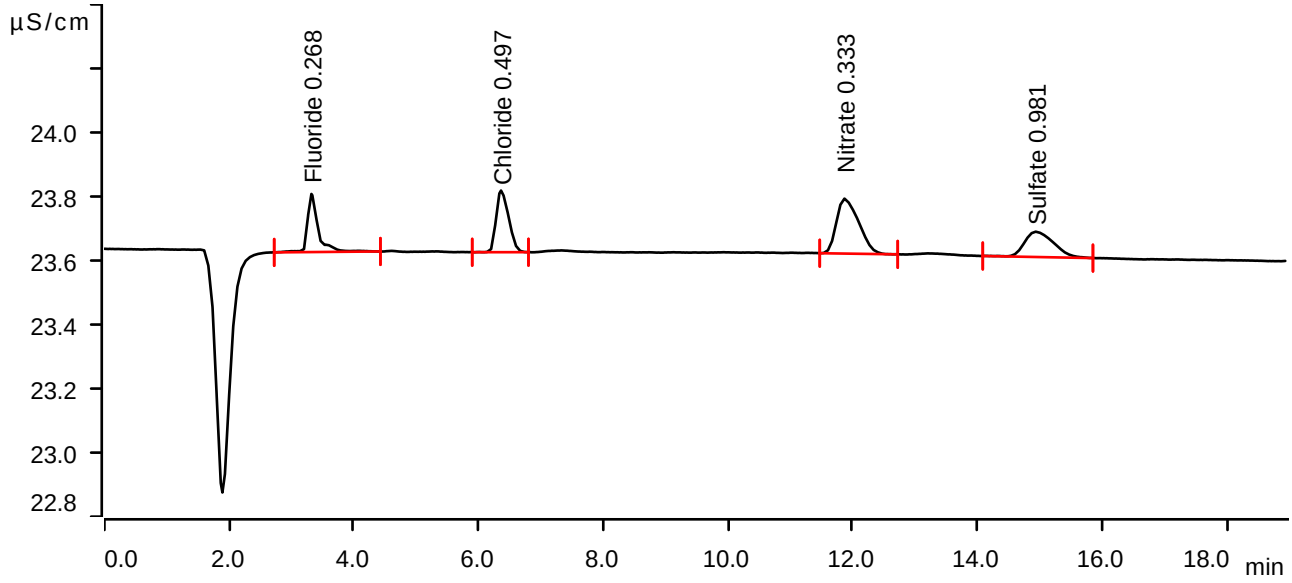
Sample data

Ident	Q3609-04
Sample type	Sample
Determination start	2025-11-12 15:41:21 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.320	0.0357	0.181	0.268	Fluoride
2	6.360	0.0445	0.192	0.497	Chloride
3	11.865	0.0706	0.171	0.333	Nitrate
4	14.932	0.0426	0.079	0.981	Sulfate

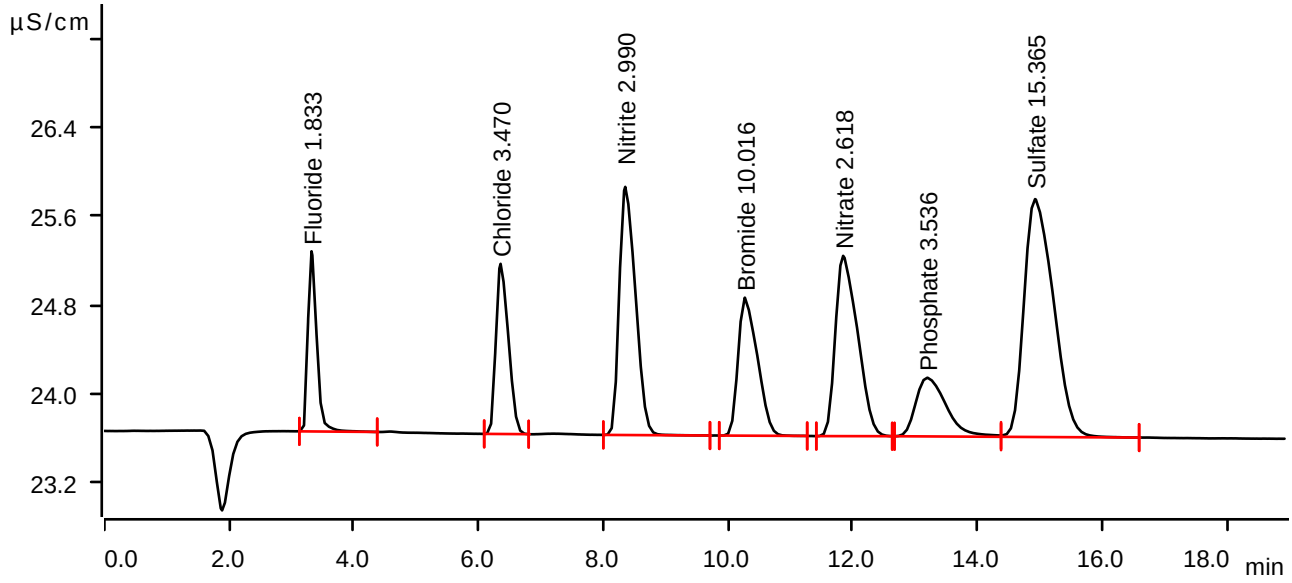
Sample data

Ident	Q3609-04MS
Sample type	Sample
Determination start	2025-11-12 16:02:55 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.44	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	3.322	0.2651	1.618	1.833	Fluoride
2	6.353	0.3538	1.528	3.470	Chloride
3	8.352	0.6728	2.229	2.990	Nitrite
4	10.270	0.4436	1.239	10.016	Bromide
5	11.845	0.6664	1.619	2.618	Nitrate
6	13.193	0.2979	0.527	3.536	Phosphate
7	14.922	1.1690	2.136	15.365	Sulfate

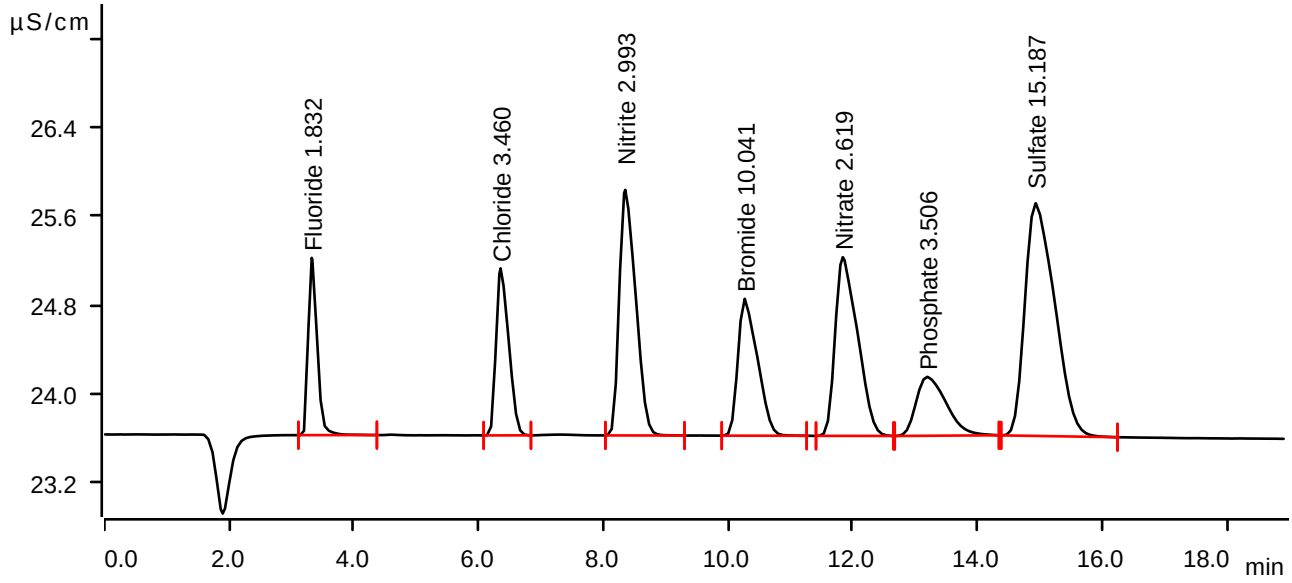
Sample data

Ident	Q3609-04MSD
Sample type	Sample
Determination start	2025-11-12 16:24:29 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.44	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	3.325	0.2649	1.592	1.832	Fluoride
2	6.353	0.3527	1.500	3.460	Chloride
3	8.352	0.6734	2.206	2.993	Nitrite
4	10.267	0.4447	1.229	10.041	Bromide
5	11.840	0.6668	1.605	2.619	Nitrate
6	13.192	0.2953	0.529	3.506	Phosphate
7	14.930	1.1551	2.089	15.187	Sulfate

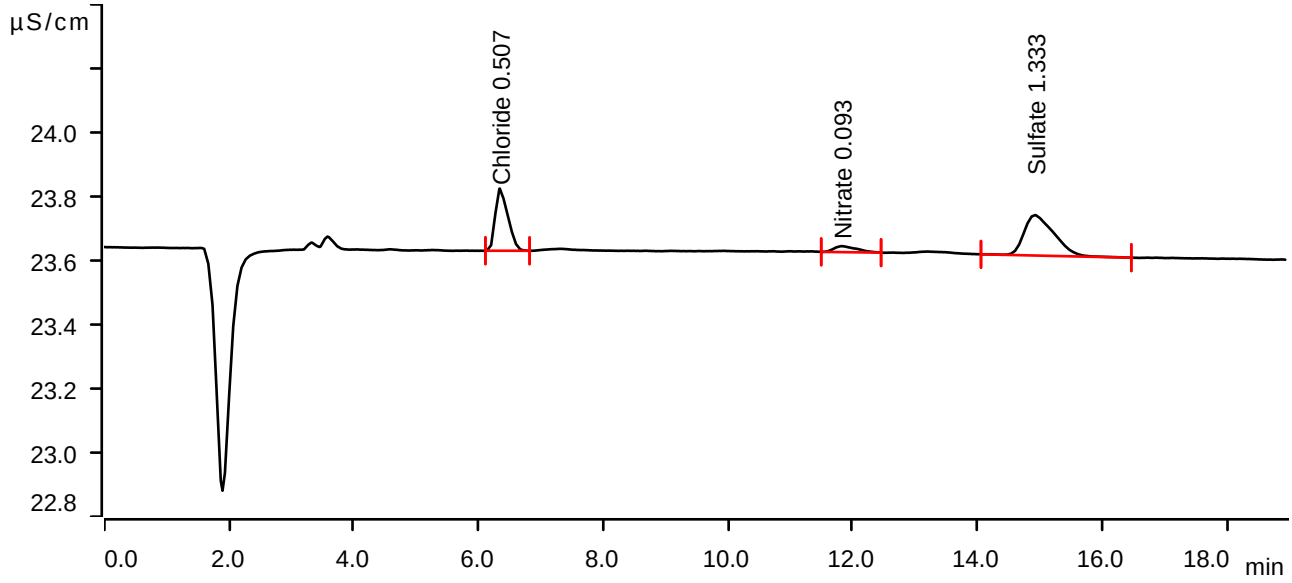
Sample data

Ident	Q3609-07
Sample type	Sample
Determination start	2025-11-12 16:46:03 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.39	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	6.340	0.0456	0.194	0.507	Chloride
2	11.817	0.0078	0.019	0.093	Nitrate
3	14.925	0.0702	0.126	1.333	Sulfate

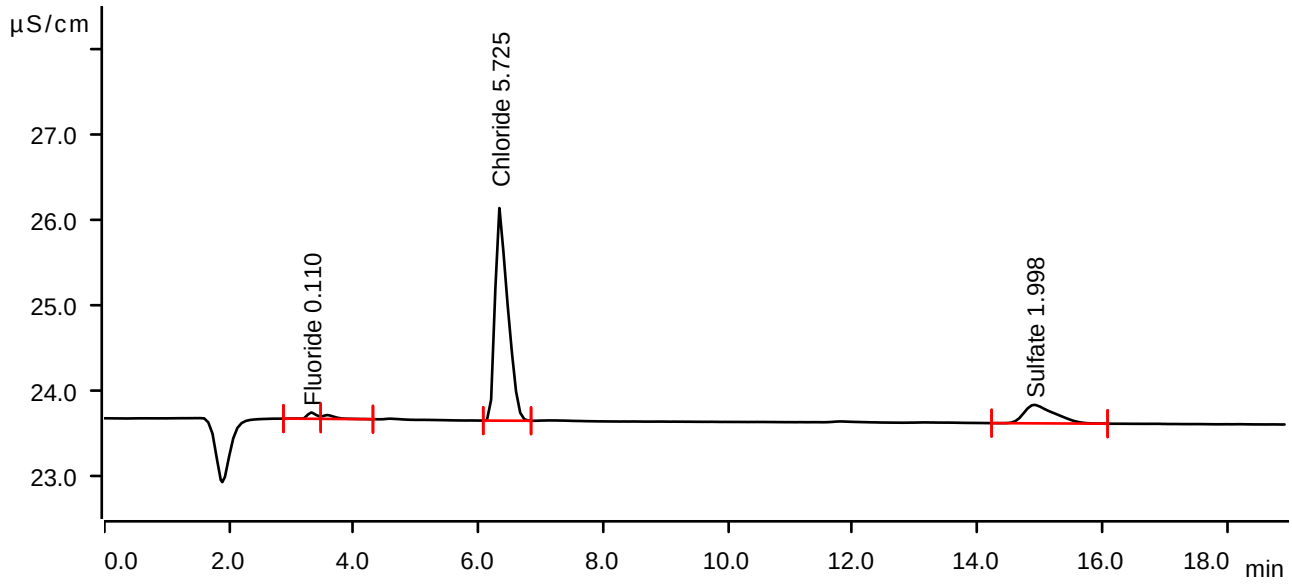
Sample data

Ident	Q3609-10
Sample type	Sample
Determination start	2025-11-12 17:07:38 UTC-5
Method	IC1-110325
Operator	

Anions

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

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.317	0.0126	0.074	0.110	Fluoride
2	3.575	0.0106	0.045	invalid	
3	6.335	0.5883	2.490	5.725	Chloride
4	14.907	0.1223	0.216	1.998	Sulfate

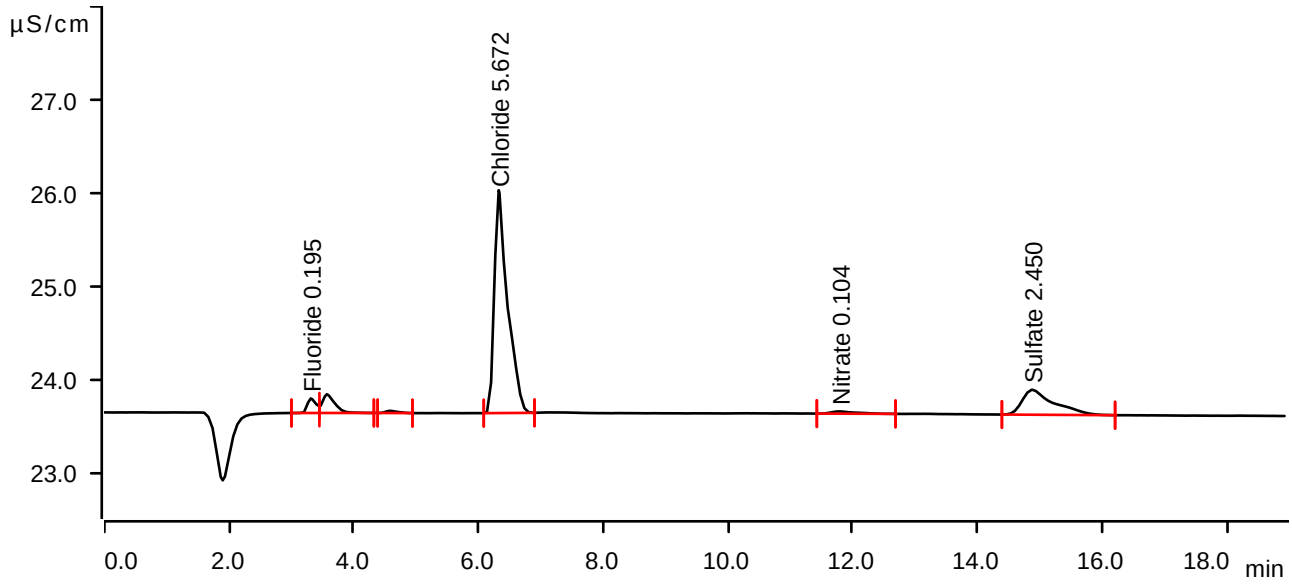
Sample data

Ident	Q3609-13
Sample type	Sample
Determination start	2025-11-12 17:29:03 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.39	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	3.310	0.0249	0.156	0.195	Fluoride
2	3.568	0.0457	0.201	invalid	
3	4.573	0.0051	0.023	invalid	
4	6.323	0.5828	2.393	5.672	Chloride
5	11.792	0.0108	0.024	0.104	Nitrate
6	14.877	0.1576	0.268	2.450	Sulfate

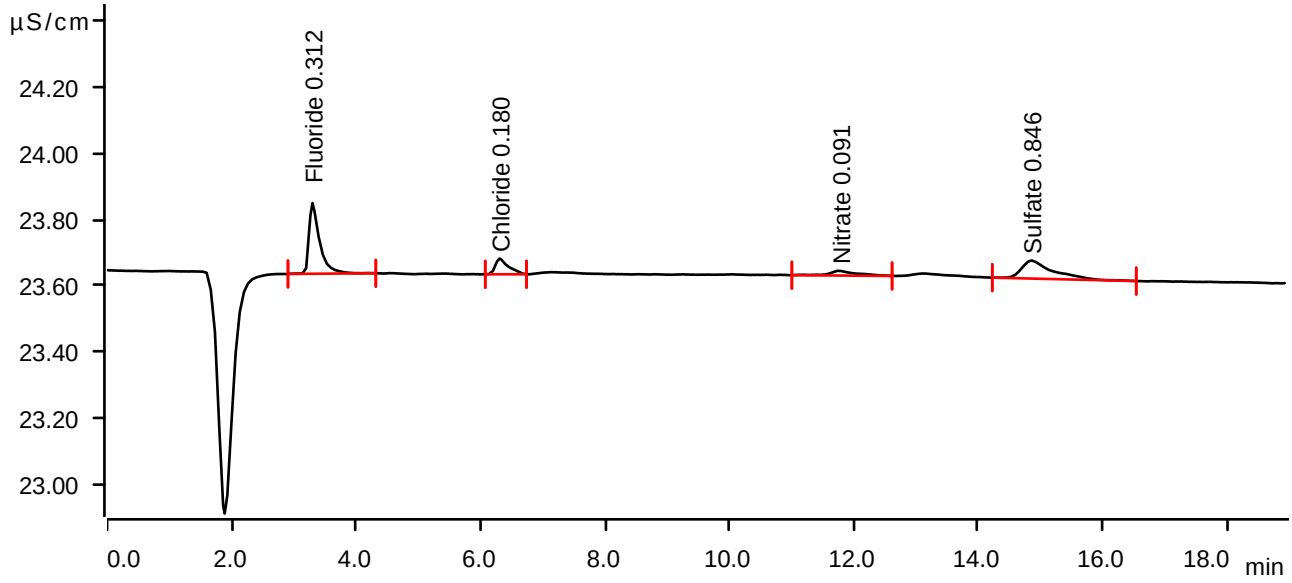
Sample data

Ident	Q3614-01
Sample type	Sample
Determination start	2025-11-12 17:50:36 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.33	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.302	0.0421	0.214	0.312	Fluoride
2	6.308	0.0115	0.048	0.180	Chloride
3	11.780	0.0072	0.014	0.091	Nitrate
4	14.852	0.0320	0.054	0.846	Sulfate

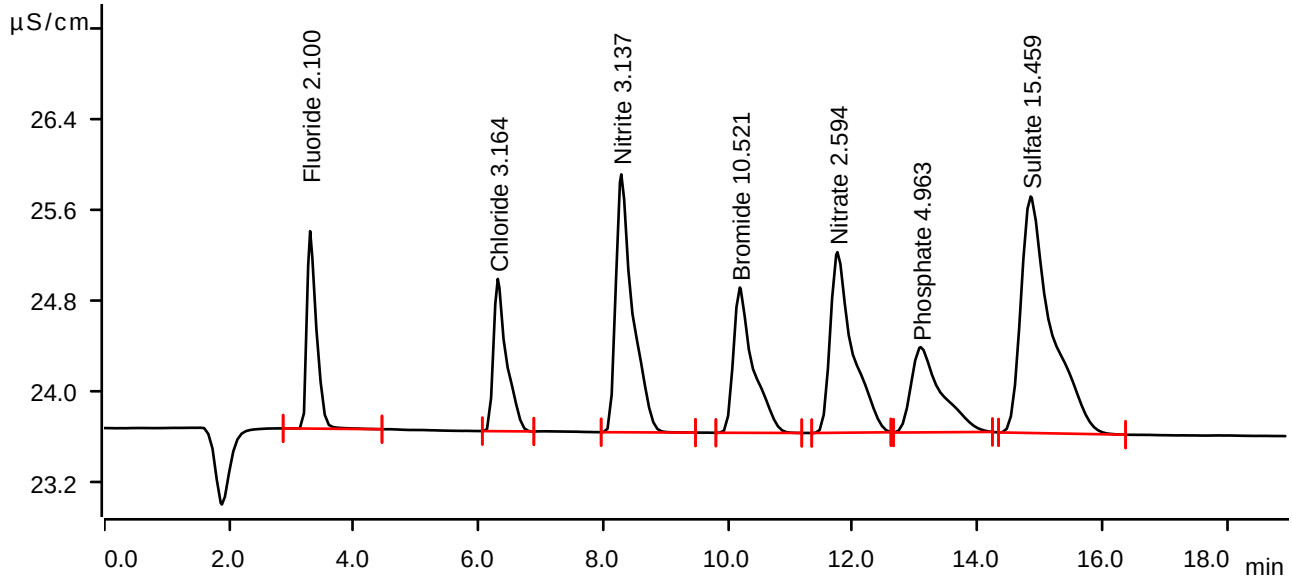
Sample data

Ident	CCV
Sample type	Check standard 1
Determination start	2025-11-12 18:12:03 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.27	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.300	0.3043	1.730	2.100	Fluoride
2	6.308	0.3220	1.337	3.164	Chloride
3	8.288	0.7067	2.264	3.137	Nitrite
4	10.188	0.4664	1.276	10.521	Bromide
5	11.753	0.6603	1.586	2.594	Nitrate
6	13.088	0.4173	0.749	4.963	Phosphate
7	14.852	1.1763	2.078	15.459	Sulfate

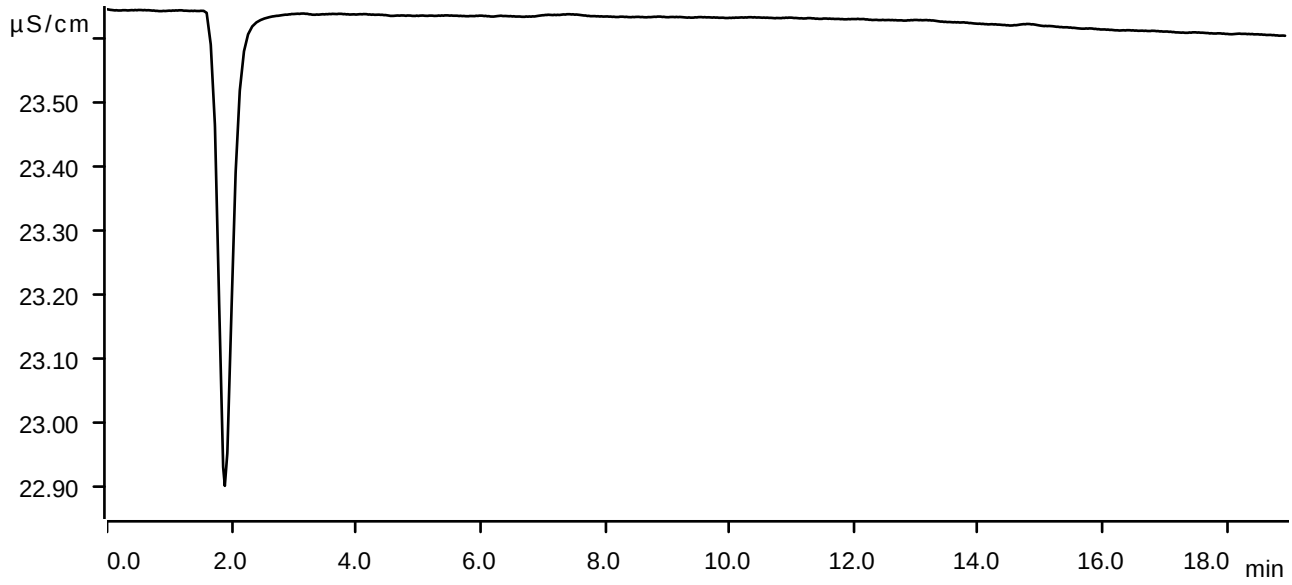
Sample data

Ident	CCB	
Sample type	Sample	
Determination start	2025-11-12 18:33:33 UTC-5	
Method	IC1-110325	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.33	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Metrohm

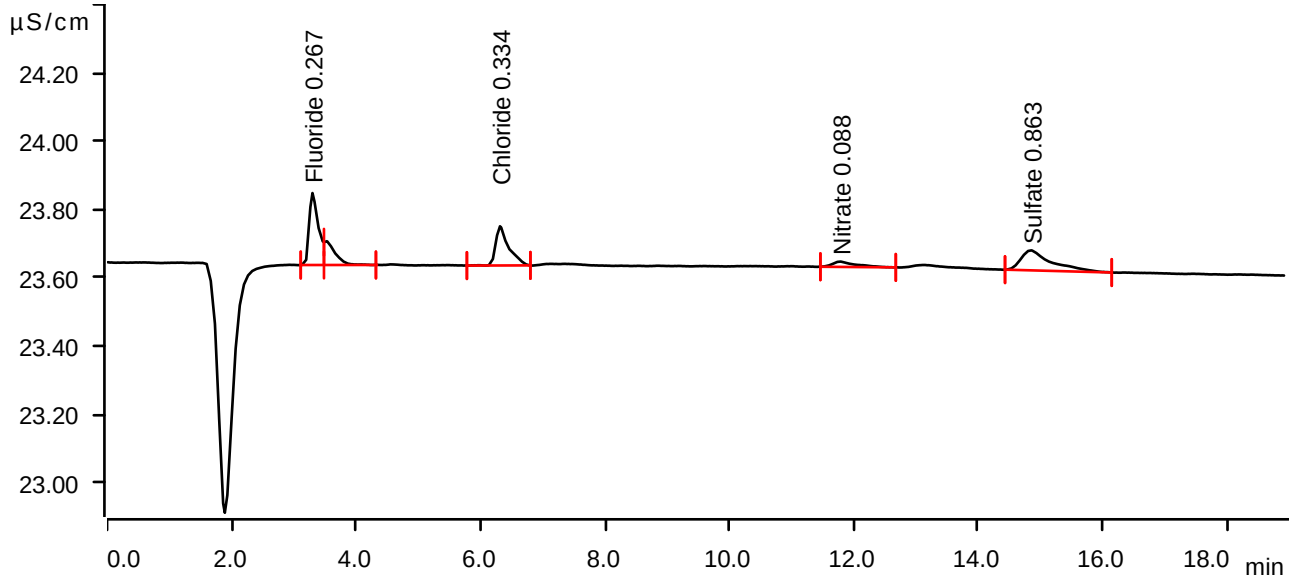
Sample data

Ident	Q3614-02
Sample type	Sample
Determination start	2025-11-12 19:38:05 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.33	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.302	0.0355	0.211	0.267	Fluoride
2	3.537	0.0142	0.070	invalid	
3	6.315	0.0276	0.115	0.334	Chloride
4	11.788	0.0066	0.015	0.088	Nitrate
5	14.853	0.0334	0.058	0.863	Sulfate

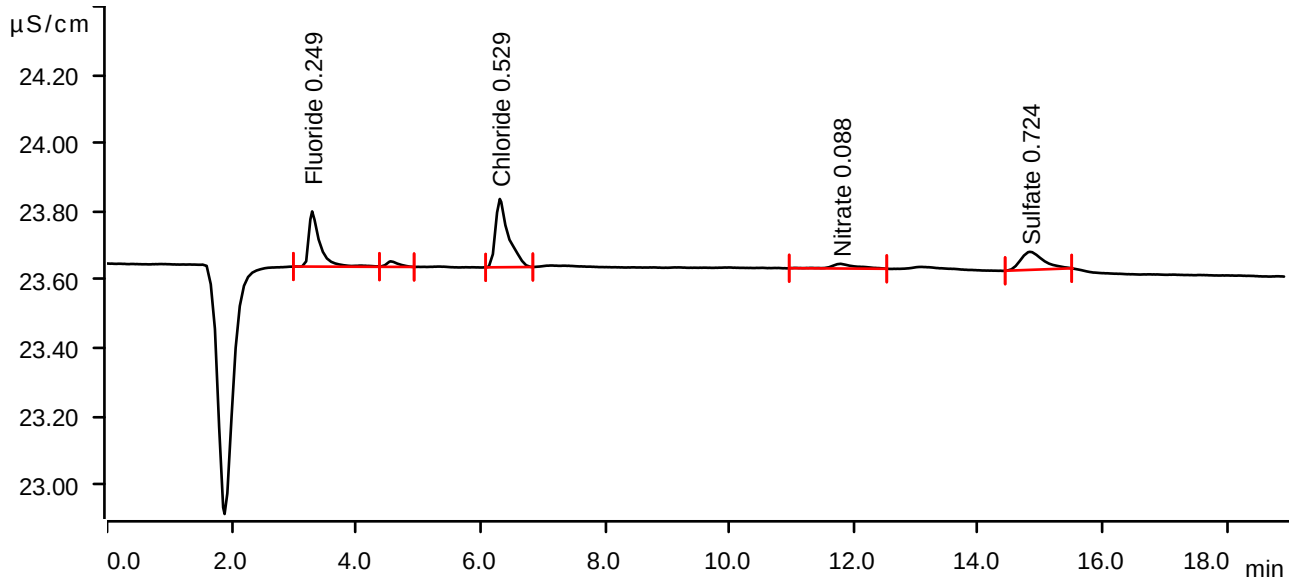
Sample data

Ident	Q3614-03
Sample type	Sample
Determination start	2025-11-12 19:59:37 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.44	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.297	0.0329	0.162	0.249	Fluoride
2	4.557	0.0036	0.016	invalid	
3	6.313	0.0479	0.200	0.529	Chloride
4	11.790	0.0064	0.014	0.088	Nitrate
5	14.828	0.0225	0.053	0.724	Sulfate

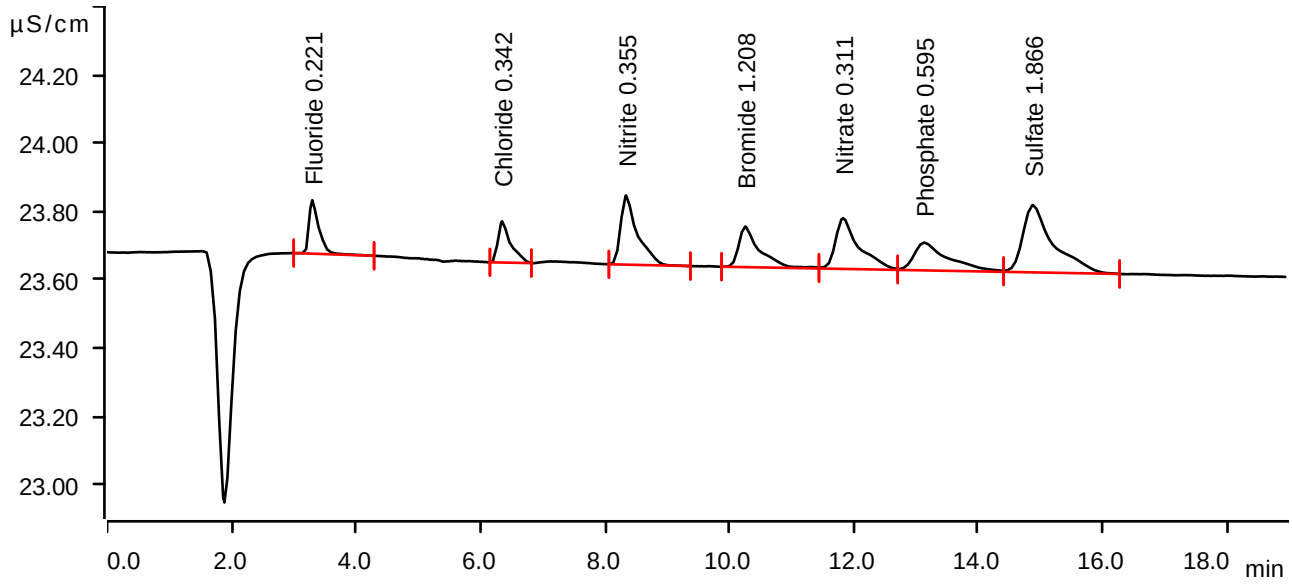
Sample data

Ident	Q3530-03
Sample type	Sample
Determination start	2025-11-12 20:21:08 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.33	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.298	0.0287	0.157	0.221	Fluoride
2	6.350	0.0284	0.121	0.342	Chloride
3	8.342	0.0632	0.203	0.355	Nitrite
4	10.255	0.0458	0.119	1.208	Bromide
5	11.828	0.0648	0.149	0.311	Nitrate
6	13.127	0.0517	0.081	0.595	Phosphate
7	14.878	0.1119	0.197	1.866	Sulfate

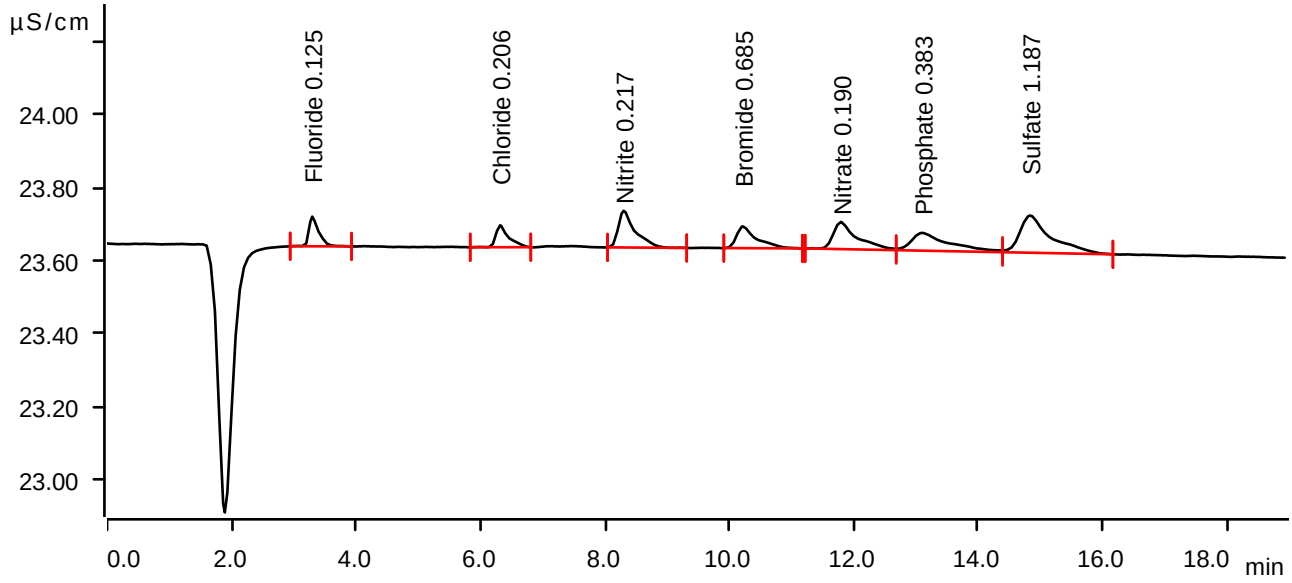
Sample data

Ident	Q3530-03RE 0.25ML
Sample type	Sample
Determination start	2025-11-12 20:42:39 UTC-5
Method	IC1-110325
Operator	

Anions

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

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.298	0.0147	0.081	0.125	Fluoride
2	6.317	0.0143	0.060	0.206	Chloride
3	8.302	0.0314	0.100	0.217	Nitrite
4	10.215	0.0222	0.060	0.685	Bromide
5	11.795	0.0330	0.074	0.190	Nitrate
6	13.103	0.0340	0.049	0.383	Phosphate
7	14.832	0.0587	0.102	1.187	Sulfate

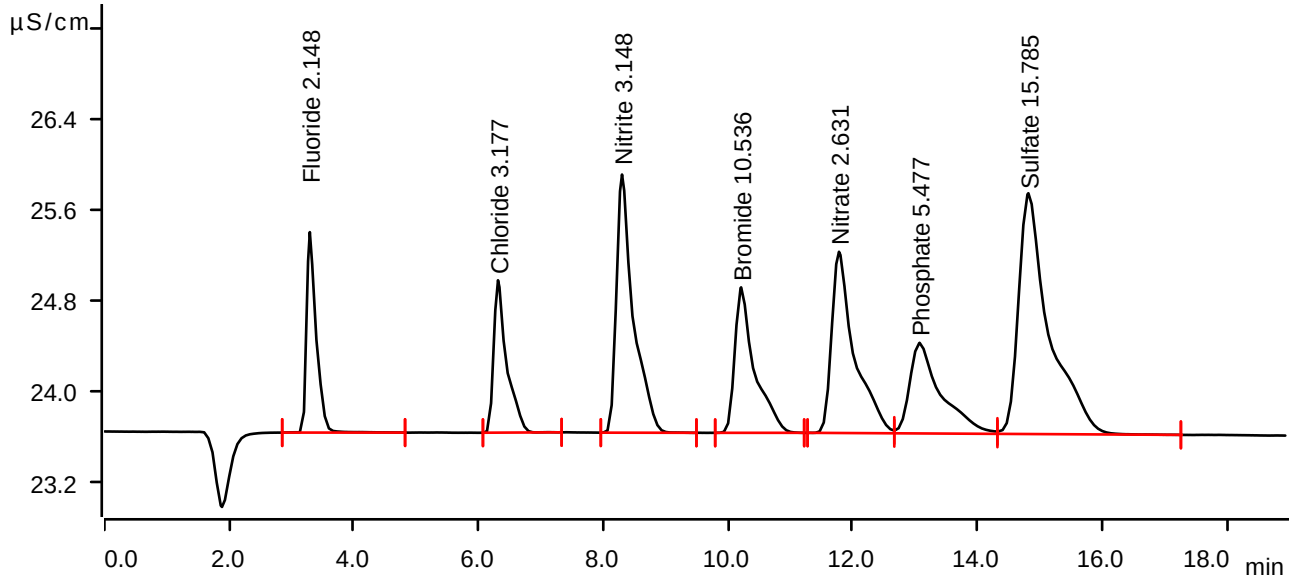
Sample data

Ident	CCV
Sample type	Check standard 1
Determination start	2025-11-12 21:04:09 UTC-5
Method	IC1-110325
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.44	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.295	0.3113	1.756	2.148	Fluoride
2	6.312	0.3233	1.337	3.177	Chloride
3	8.300	0.7093	2.267	3.148	Nitrite
4	10.210	0.4671	1.277	10.536	Bromide
5	11.778	0.6698	1.592	2.631	Nitrate
6	13.072	0.4603	0.796	5.477	Phosphate
7	14.815	1.2019	2.115	15.785	Sulfate

Sample data

Ident	CCB	
Sample type	Sample	
Determination start	2025-11-12 21:25:39 UTC-5	
Method	IC1-110325	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.44	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions