

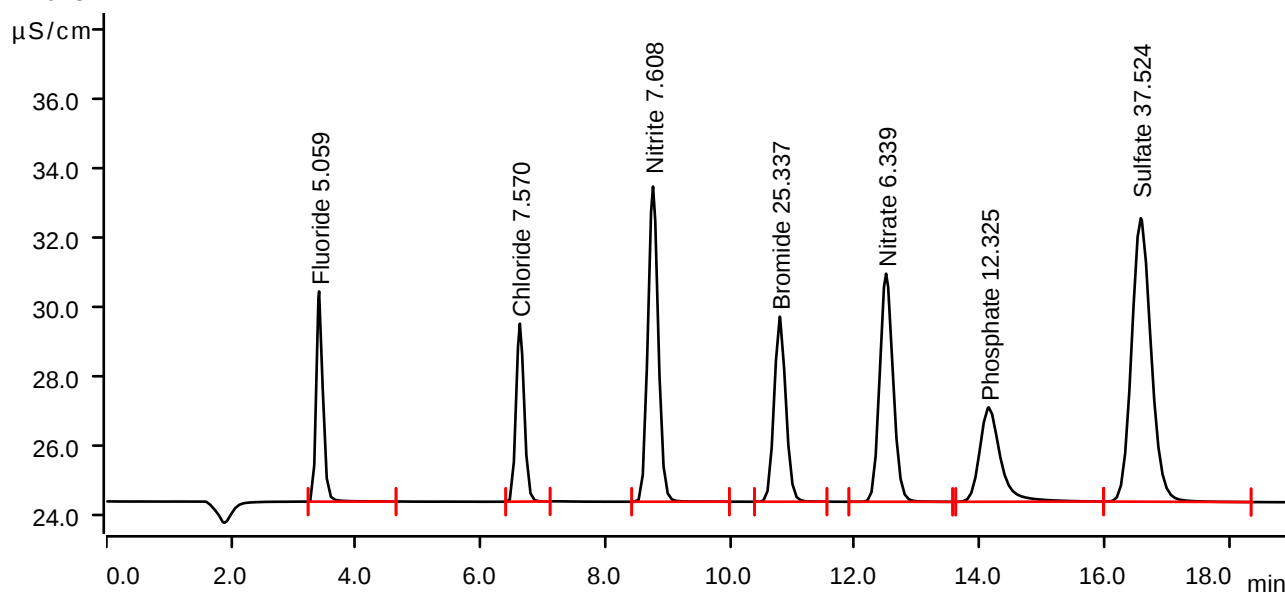
Sample data

Ident STD7
Sample type Standard 7
Determination start 2024-07-19 13:32:19 UTC-4
Method IC1-071924
Operator

Anions

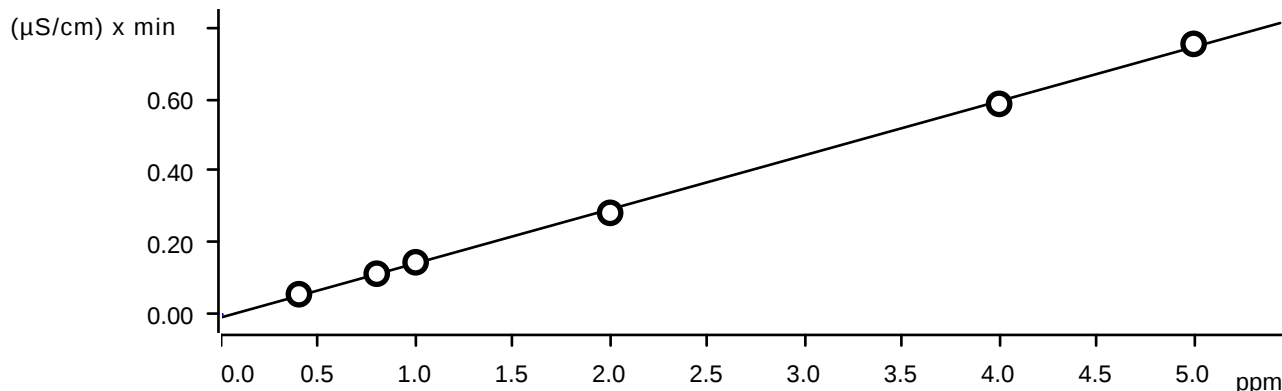
Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.60 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time	Area	Height	Concentration	Component name
	min	(µS/cm) x min	µS/cm	ppm	
1	3.412	0.7540	6.060	5.059	Fluoride
2	6.630	0.7704	5.131	7.570	Chloride
3	8.765	1.7547	9.090	7.608	Nitrite
4	10.797	1.1635	5.335	25.337	Bromide
5	12.502	1.6414	6.577	6.339	Nitrate
6	14.147	1.0559	2.722	12.325	Phosphate
7	16.585	2.9683	8.174	37.524	Sulfate

Fluoride (Anions)



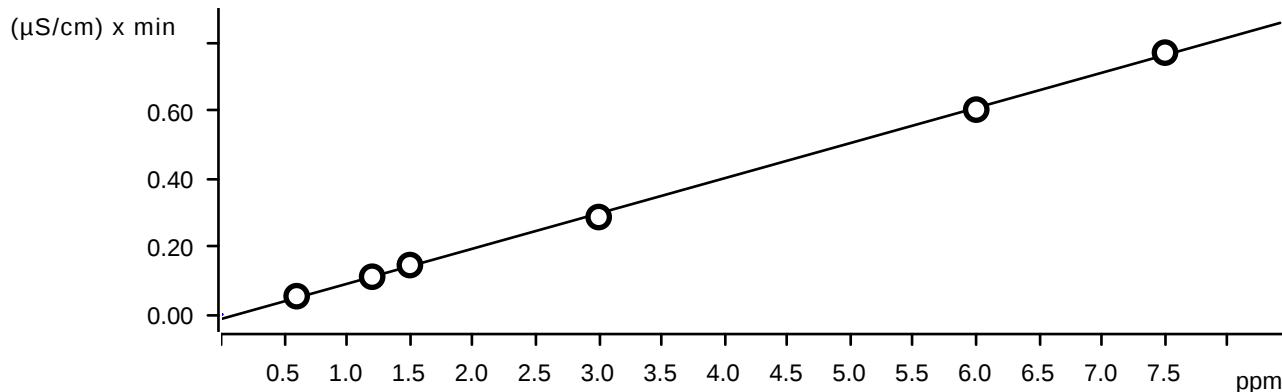
Function: $A = -8.59514E-3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

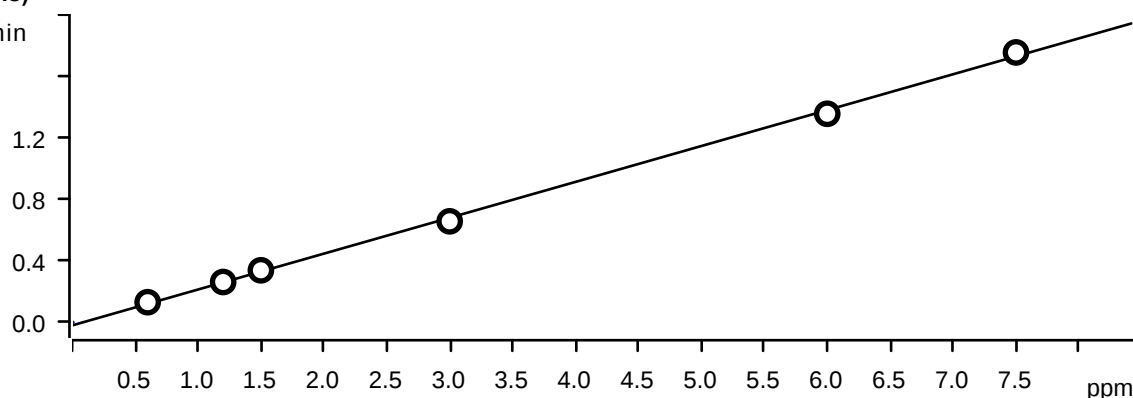
Chloride (Anions)



Function: $A = -0.0135108 + 0.0103555 \times Q$

Relative standard deviation 2.296685 %
Correlation coefficient 0.999735

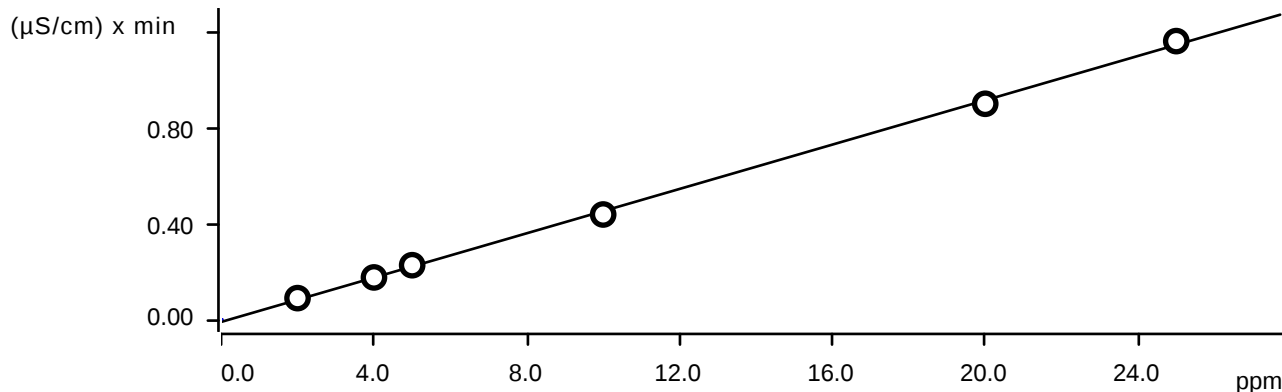
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

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

Function: $A = -0.0211182 + 0.0233405 \times Q$
Relative standard deviation 2.929829 %
Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

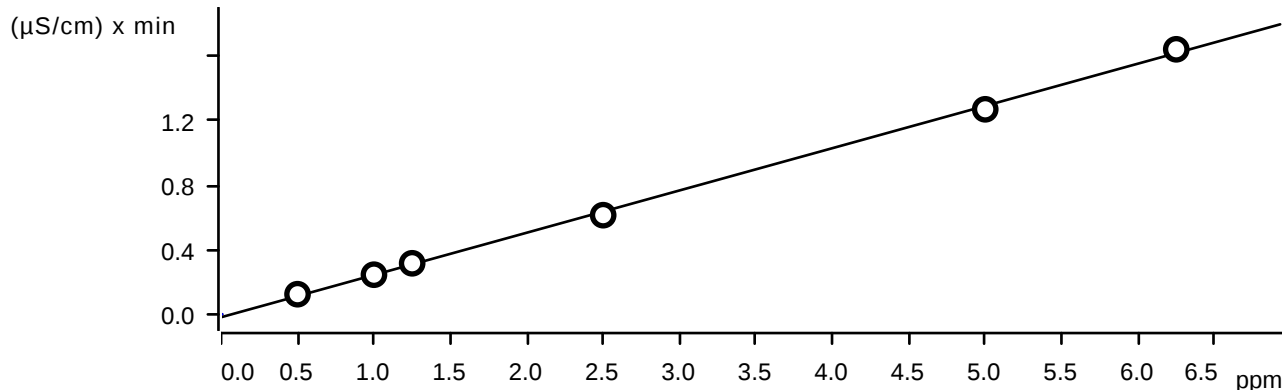
Bromide (Anions)



Function: $A = -0.0110314 + 4.63542E-3 \times Q$
 Relative standard deviation: 2.726009 %
 Correlation coefficient: 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

Nitrate (Anions)



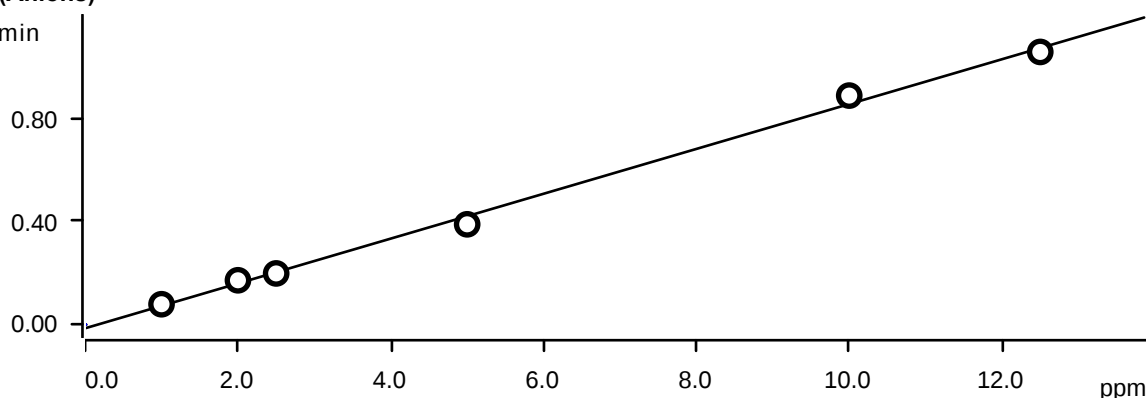
Function: $A = -0.0185410 + 0.0261873 \times Q$
 Relative standard deviation: 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

Phosphate (Anions)

(μS/cm) x min

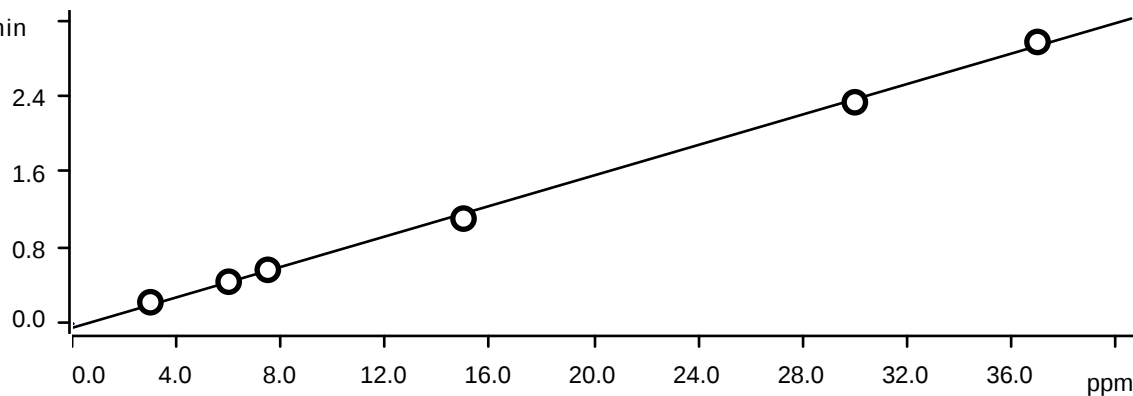
Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

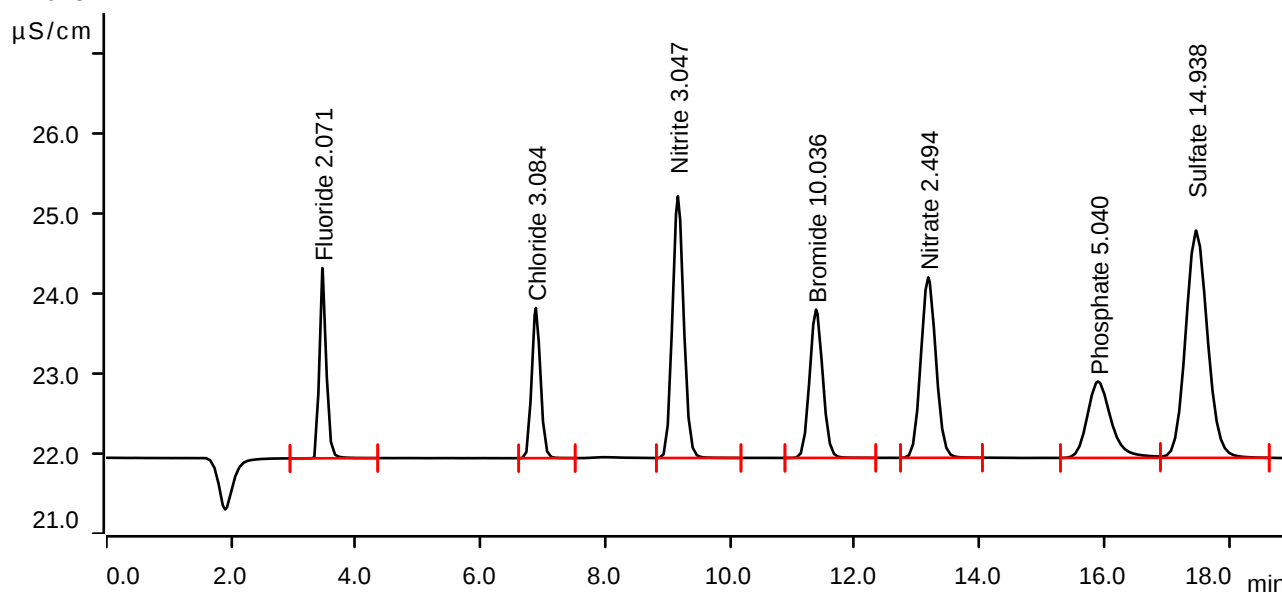
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2024-07-31 10:11:12 UTC-4
Method IC1-071924
Operator

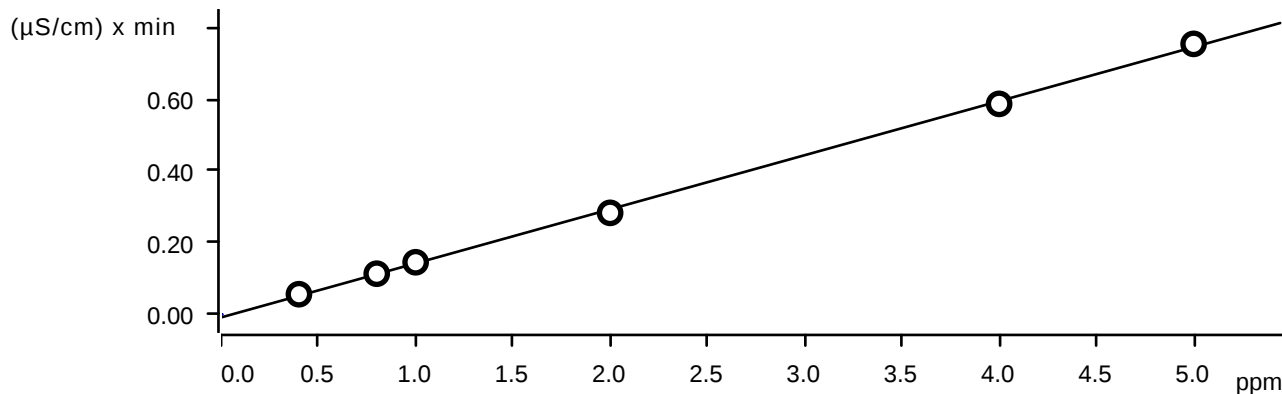
Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.61 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time	Area	Height	Concentration	Component name
	min	(µS/cm) x min	µS/cm	ppm	
1	3.463	0.3035	2.377	2.071	Fluoride
2	6.887	0.3058	1.877	3.084	Chloride
3	9.163	0.6900	3.270	3.047	Nitrite
4	11.378	0.4542	1.854	10.036	Bromide
5	13.177	0.6347	2.255	2.494	Nitrate
6	15.900	0.4234	0.955	5.040	Phosphate
7	17.473	1.1560	2.841	14.938	Sulfate

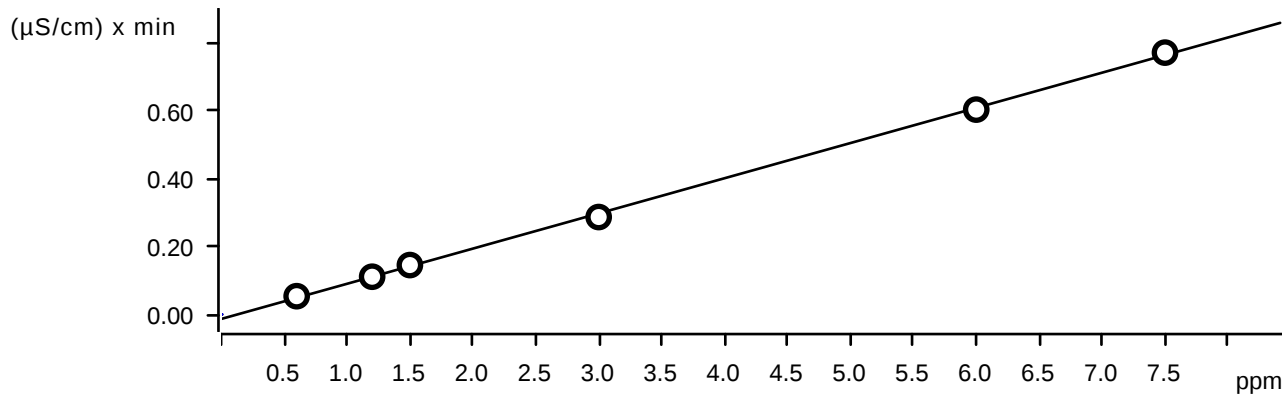
Fluoride (Anions)

Function: $A = -8.59514\text{E-}3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

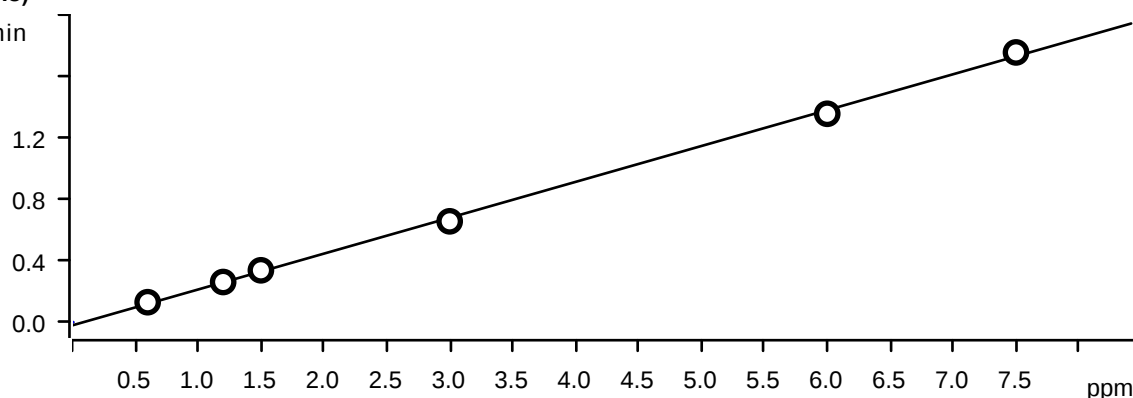
Chloride (Anions)

Function: $A = -0.0135108 + 0.0103555 \times Q$

Relative standard deviation 2.296685 %

Correlation coefficient 0.999735

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

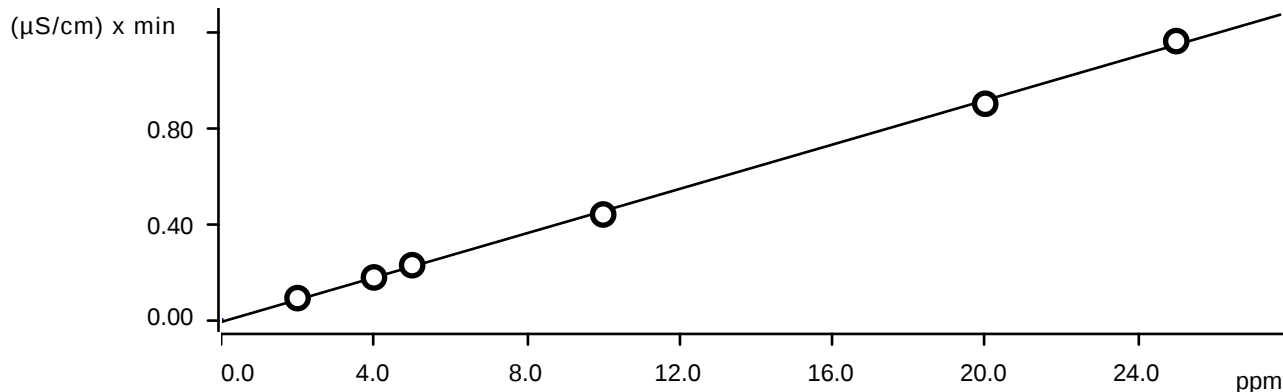
Nitrite (Anions) $(\mu\text{S/cm}) \times \text{min}$ Function: $A = -0.0211182 + 0.0233405 \times Q$

Relative standard deviation 2.929829 %

Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

Bromide (Anions)



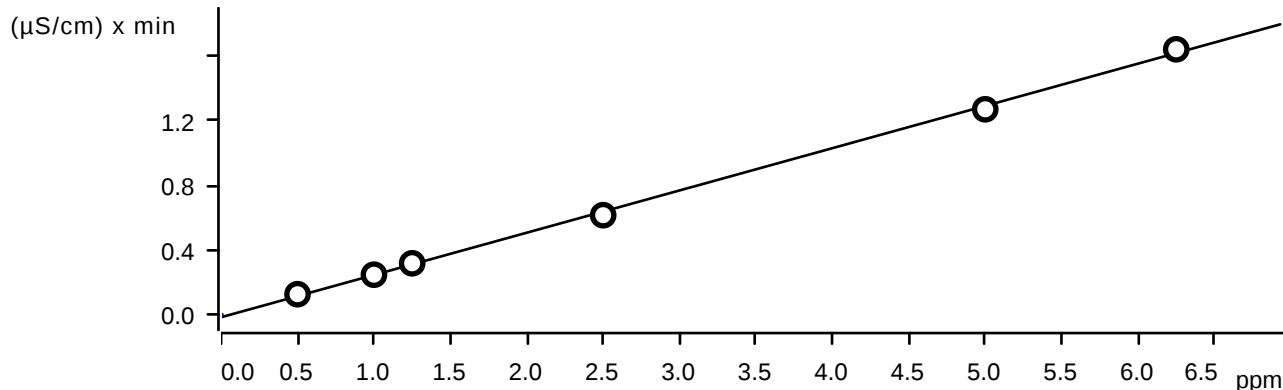
Function: $A = -0.0110314 + 4.63542E-3 \times Q$

Relative standard deviation 2.726009 %

Correlation coefficient 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

Nitrate (Anions)

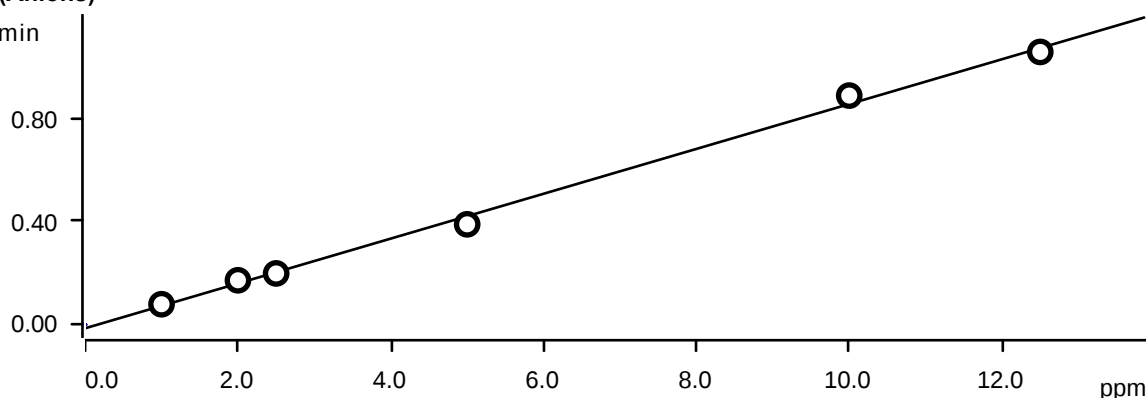


Function: $A = -0.0185410 + 0.0261873 \times Q$

Relative standard deviation 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

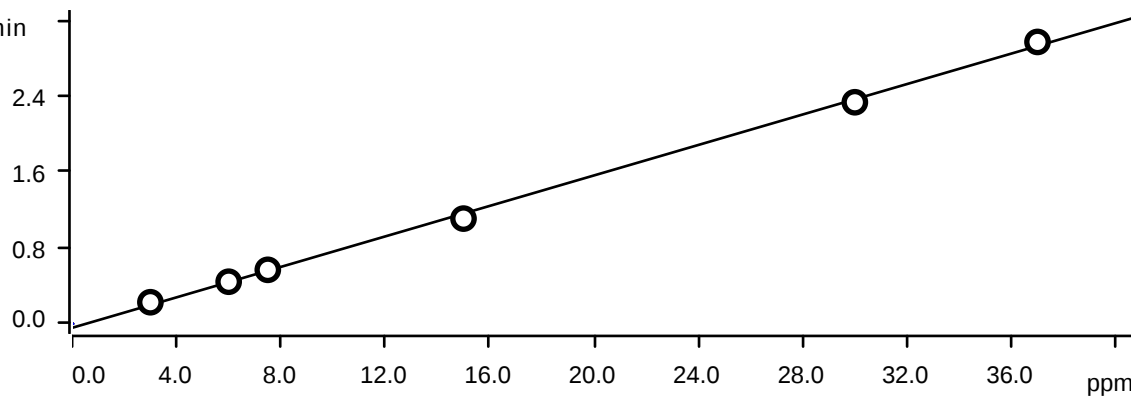
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

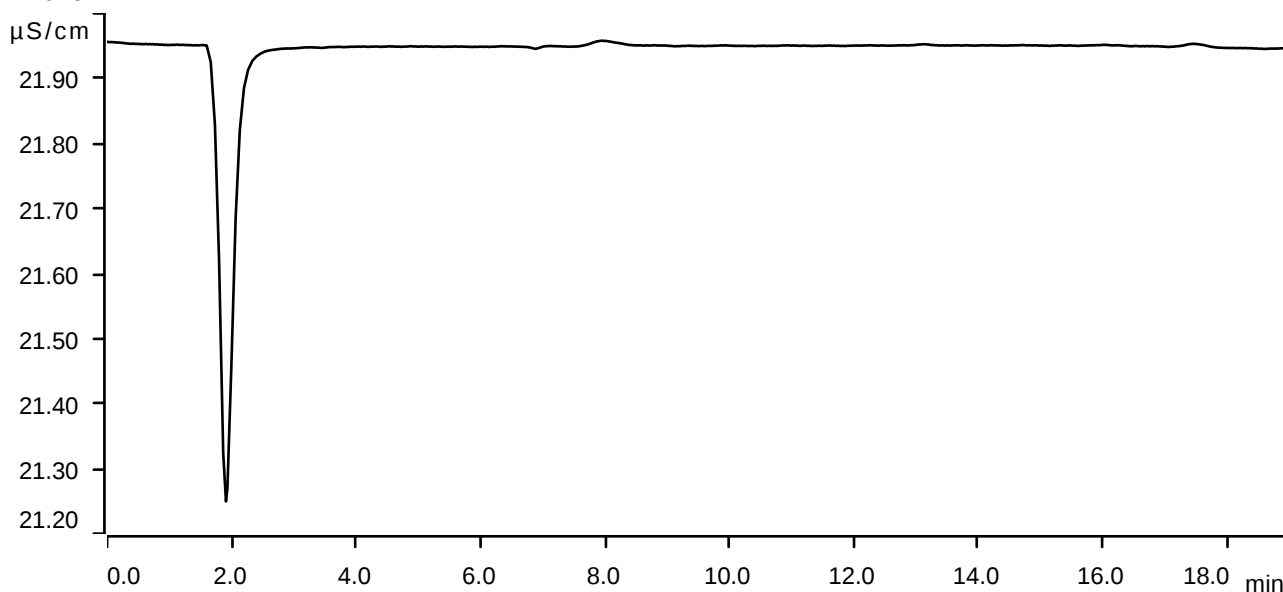
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

Sample data

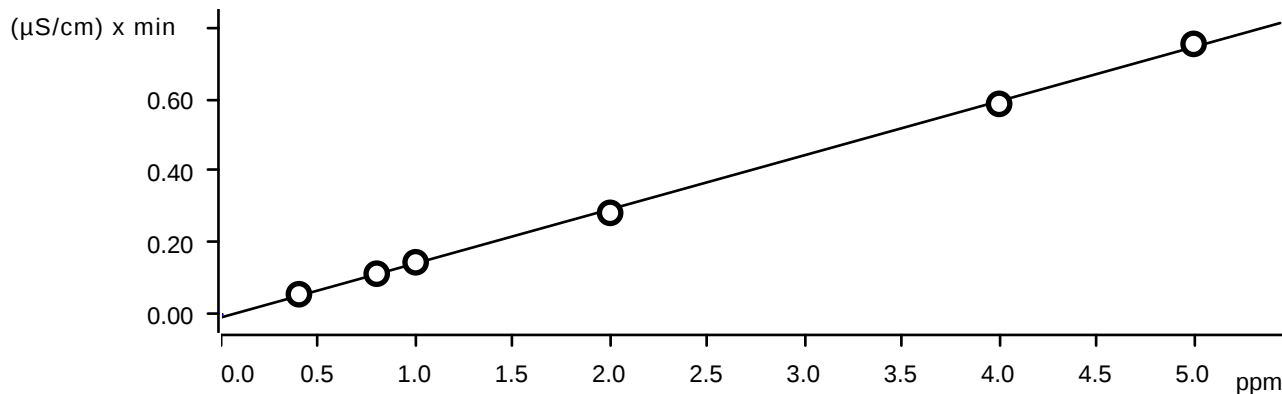
Ident CCB
Sample type Sample
Determination start 2024-07-31 10:32:42 UTC-4
Method IC1-071924
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.61 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

Fluoride (Anions)



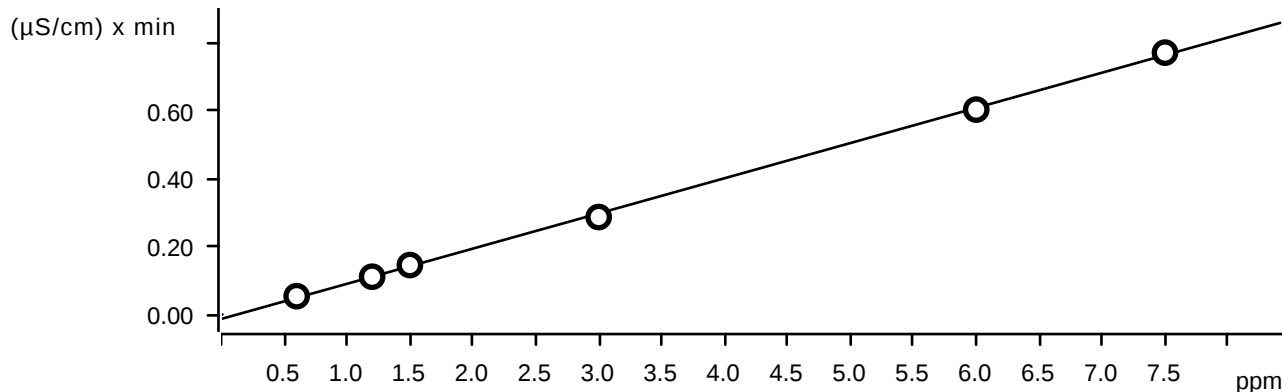
Function: $A = -8.59514E-3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

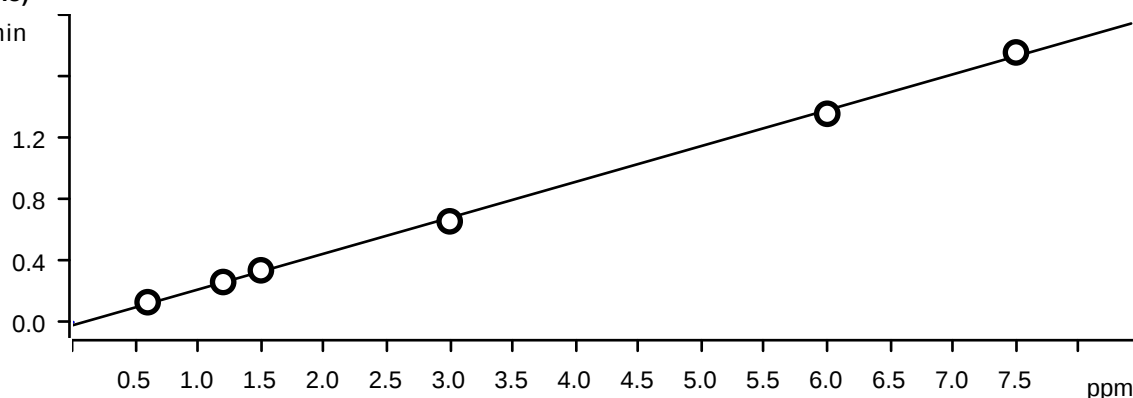
Chloride (Anions)



Function: $A = -0.0135108 + 0.0103555 \times Q$

Relative standard deviation 2.296685 %
Correlation coefficient 0.999735

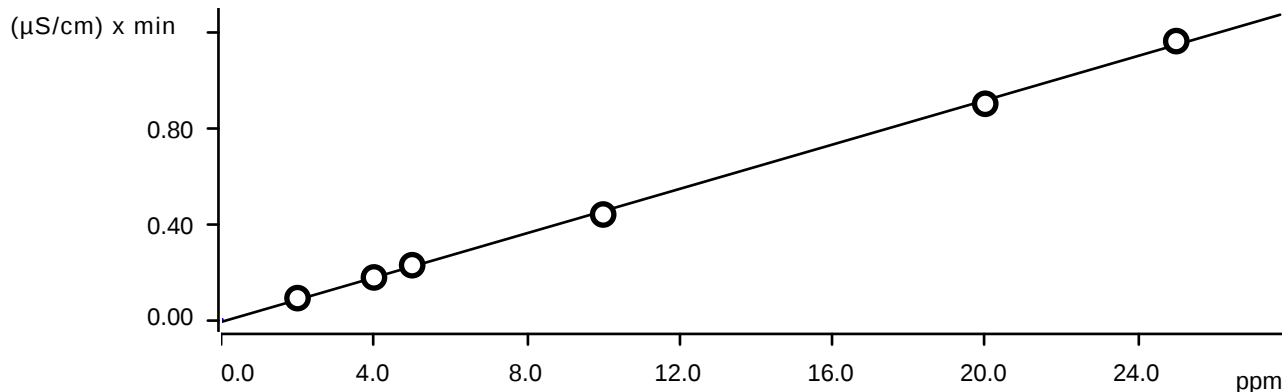
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

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

Function: $A = -0.0211182 + 0.0233405 \times Q$
Relative standard deviation 2.929829 %
Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

Bromide (Anions)



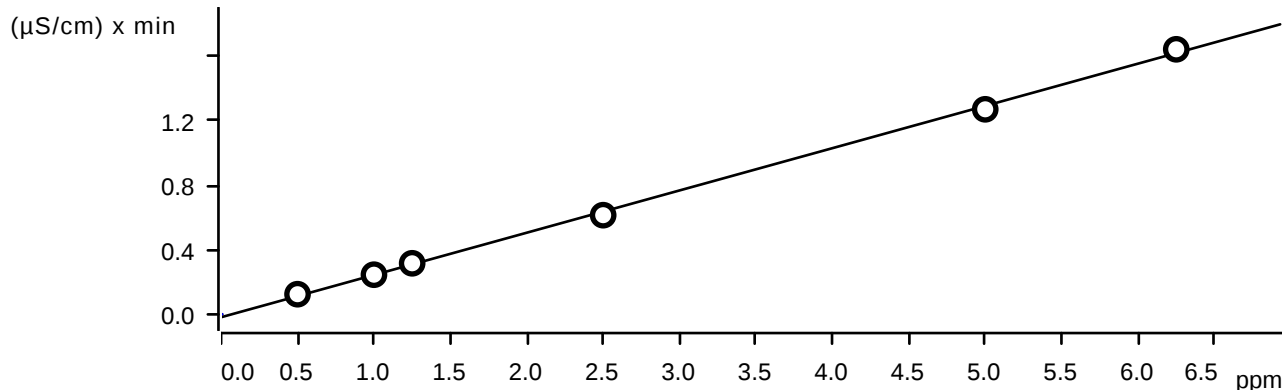
Function: $A = -0.0110314 + 4.63542E-3 \times Q$

Relative standard deviation: 2.726009 %

Correlation coefficient: 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

Nitrate (Anions)

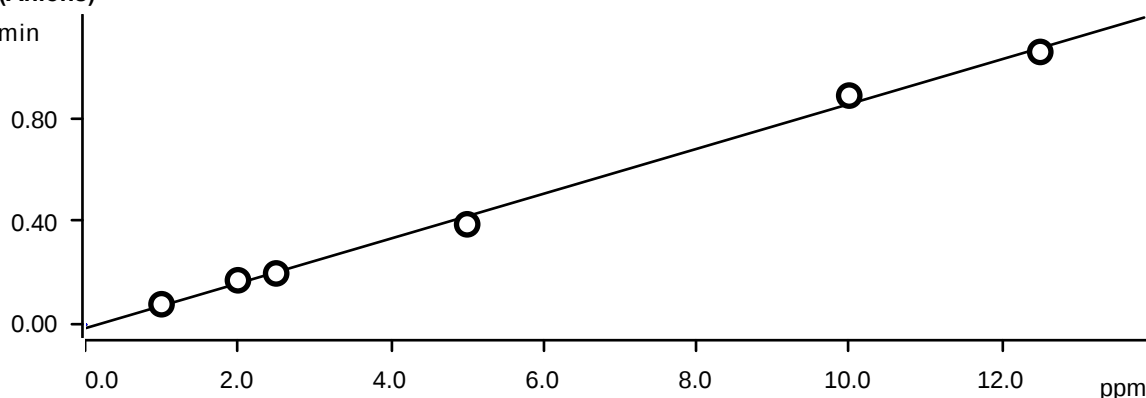


Function: $A = -0.0185410 + 0.0261873 \times Q$

Relative standard deviation: 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

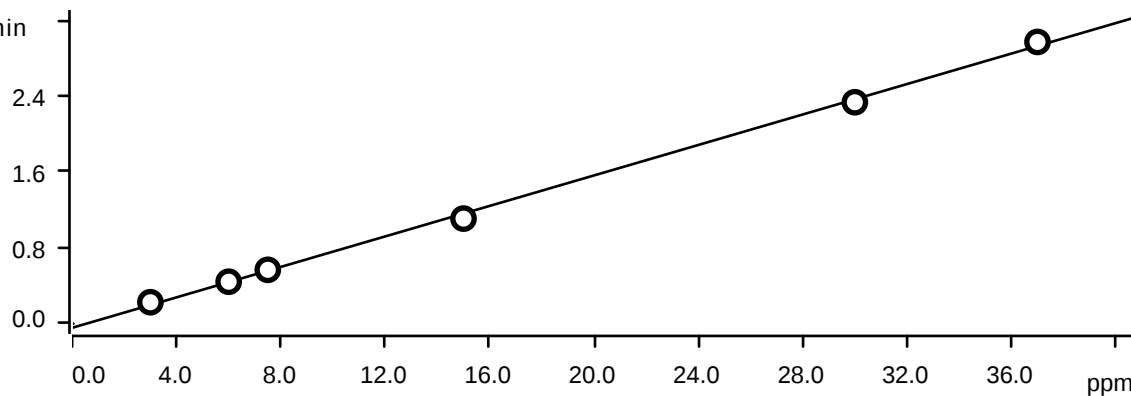
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

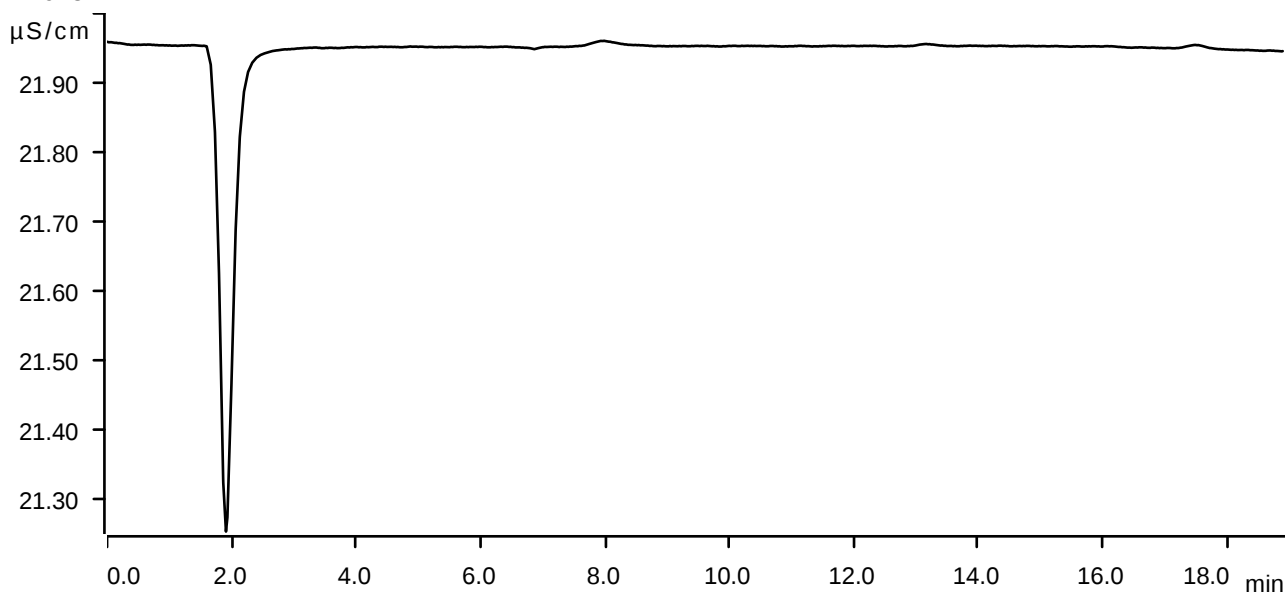
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

Sample data

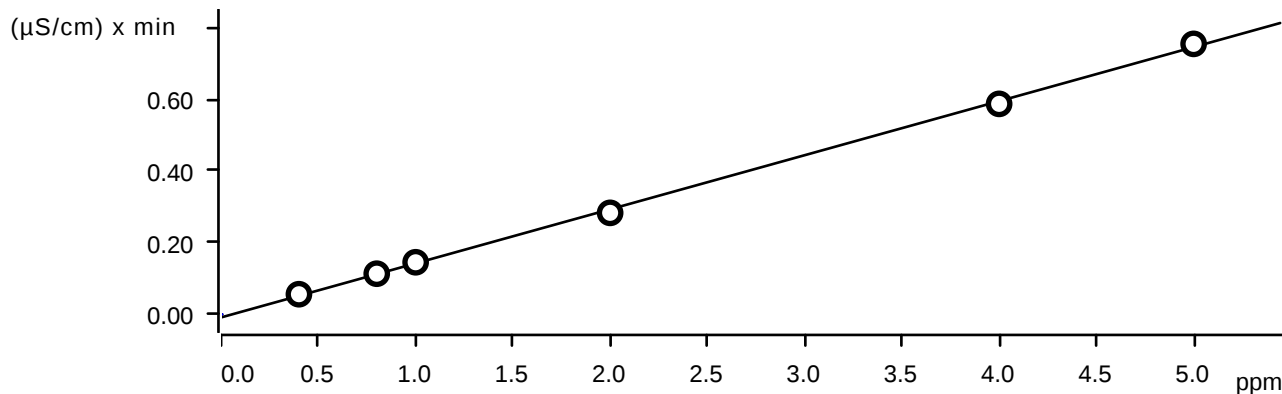
Ident LB131794BLW
Sample type Sample
Determination start 2024-07-31 10:54:12 UTC-4
Method IC1-071924
Operator

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

Fluoride (Anions)



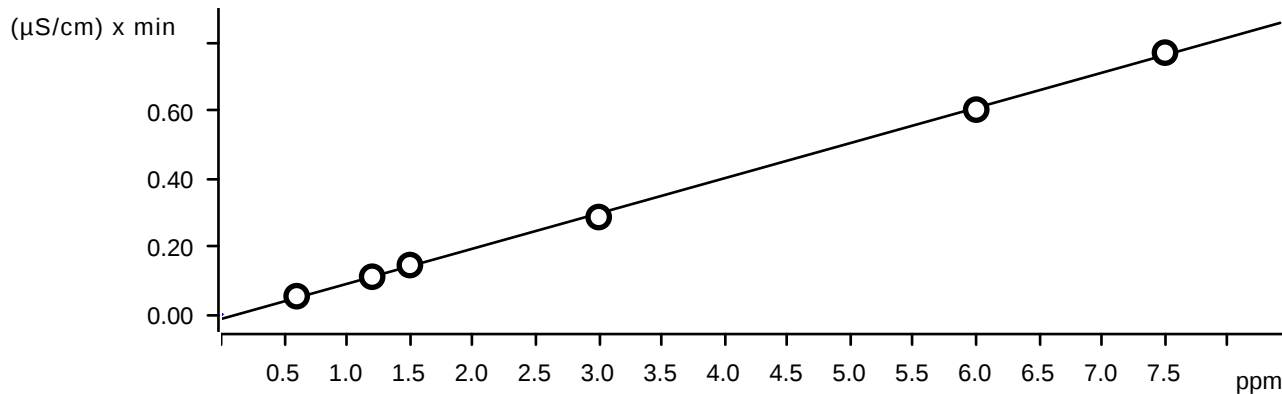
Function: $A = -8.59514E-3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

Chloride (Anions)

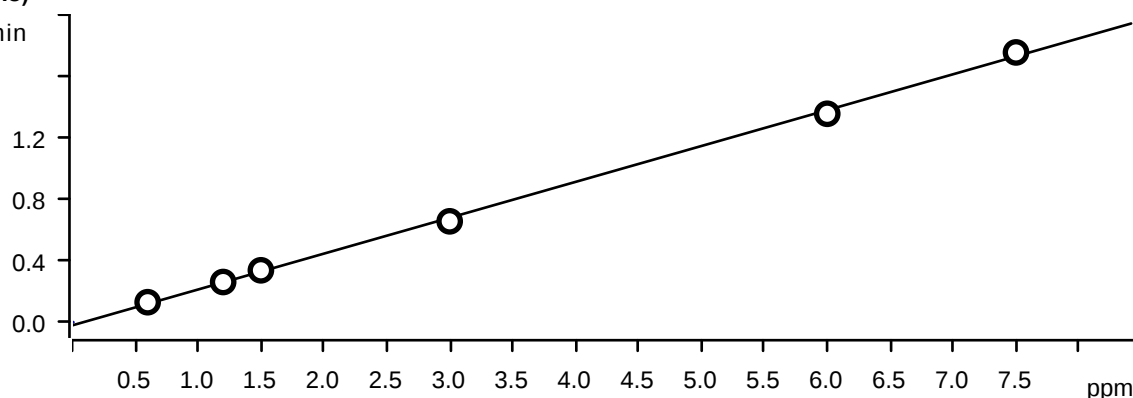


Function: $A = -0.0135108 + 0.0103555 \times Q$

Relative standard deviation 2.296685 %

Correlation coefficient 0.999735

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

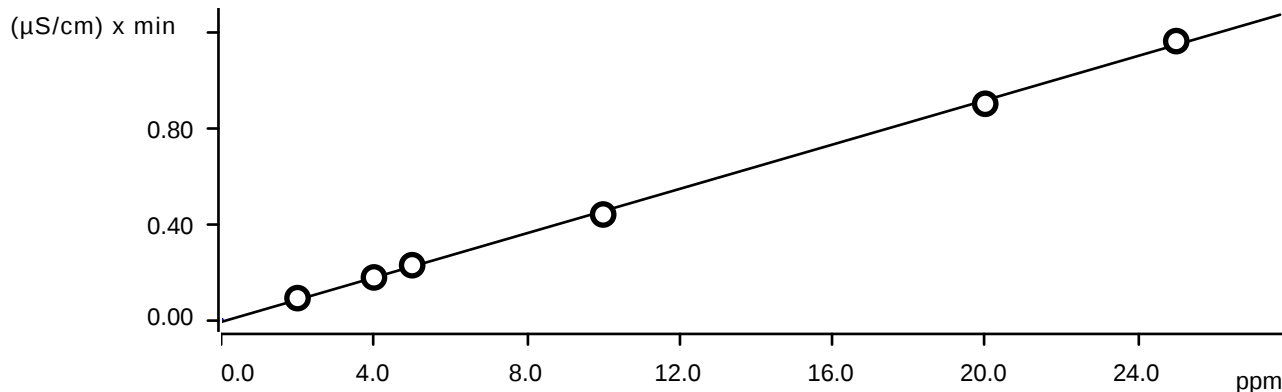
Nitrite (Anions) $(\mu\text{S/cm}) \times \text{min}$ Function: $A = -0.0211182 + 0.0233405 \times Q$

Relative standard deviation 2.929829 %

Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

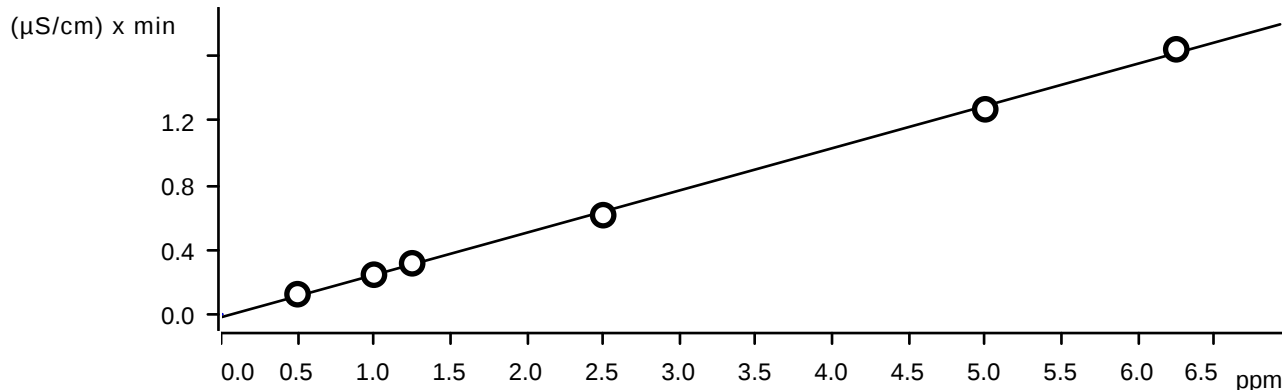
Bromide (Anions)



Function: $A = -0.0110314 + 4.63542E-3 \times Q$
 Relative standard deviation: 2.726009 %
 Correlation coefficient: 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

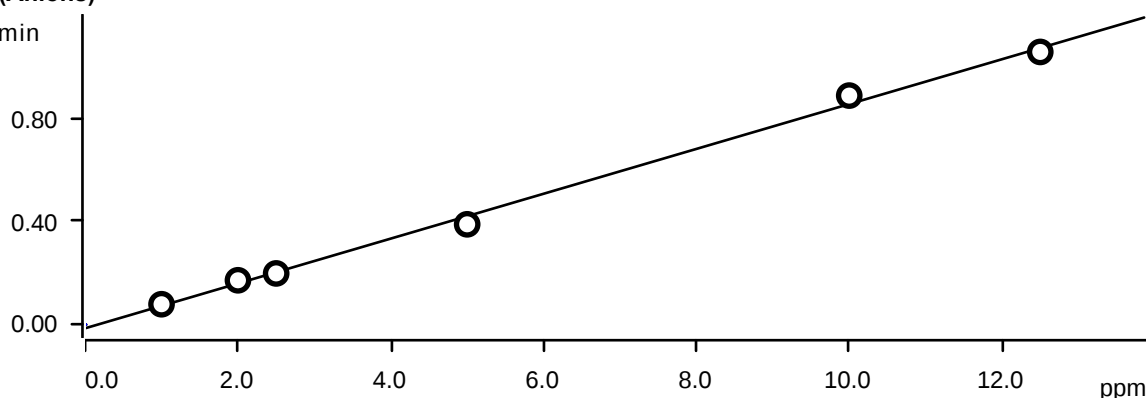
Nitrate (Anions)



Function: $A = -0.0185410 + 0.0261873 \times Q$
 Relative standard deviation: 2.914814 %

Correlation coefficient 0.999561

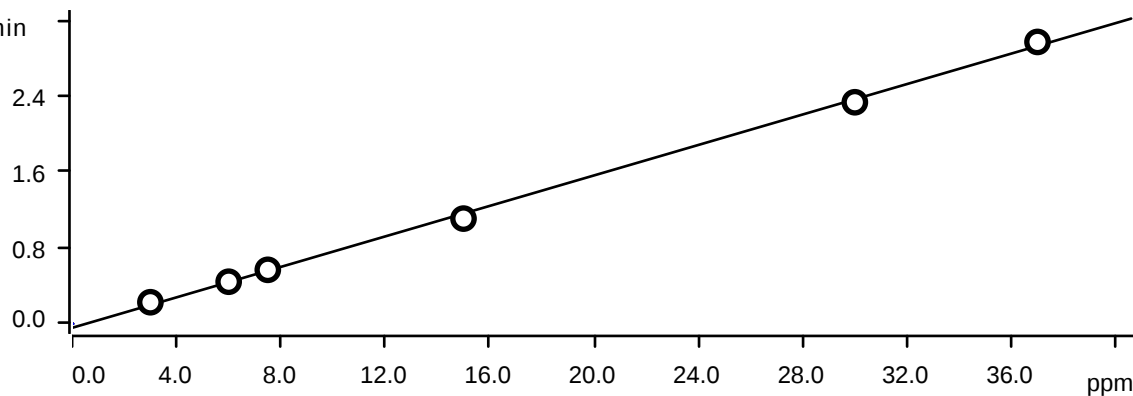
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

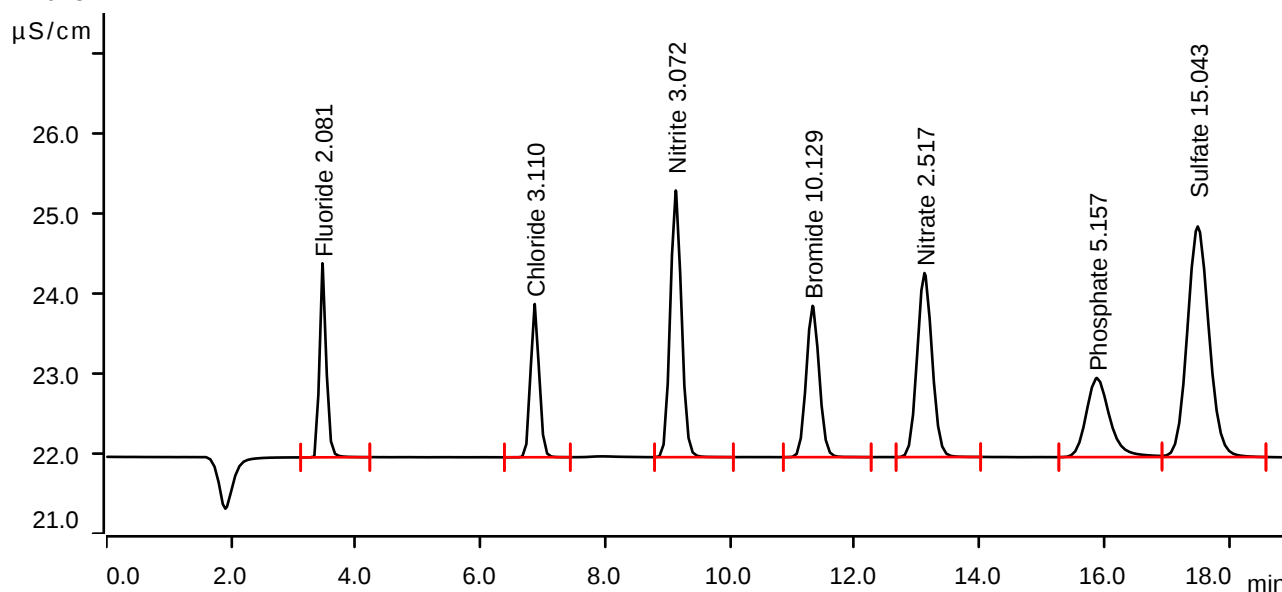
Sample data

Ident LB131794BSW
Sample type Check standard 1
Determination start 2024-07-31 11:15:43 UTC-4
Method IC1-071924
Operator

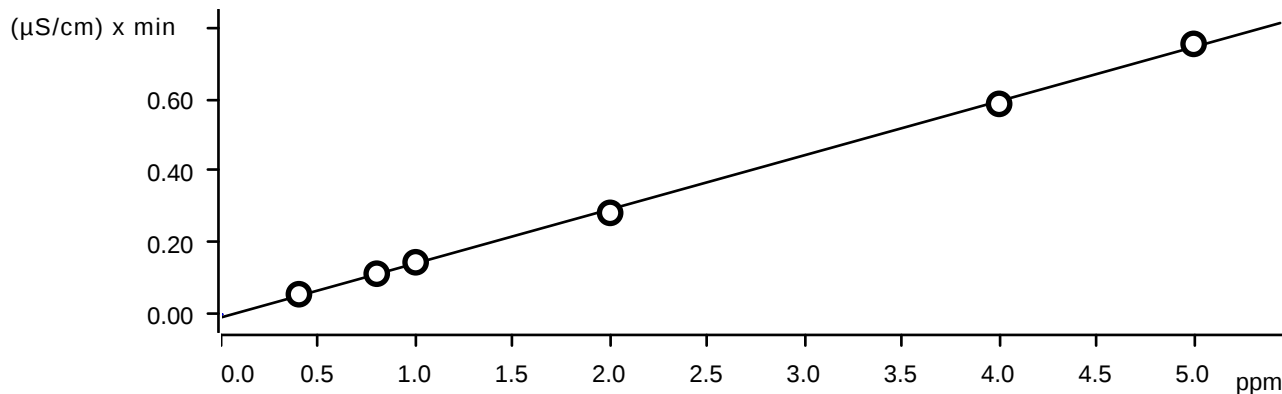
Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.78 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time	Area	Height	Concentration	Component name
	min	(µS/cm) x min	µS/cm	ppm	
1	3.465	0.3052	2.424	2.081	Fluoride
2	6.867	0.3086	1.914	3.110	Chloride
3	9.128	0.6958	3.332	3.072	Nitrite
4	11.323	0.4585	1.891	10.129	Bromide
5	13.117	0.6407	2.300	2.517	Nitrate
6	15.882	0.4336	0.989	5.157	Phosphate
7	17.498	1.1644	2.881	15.043	Sulfate

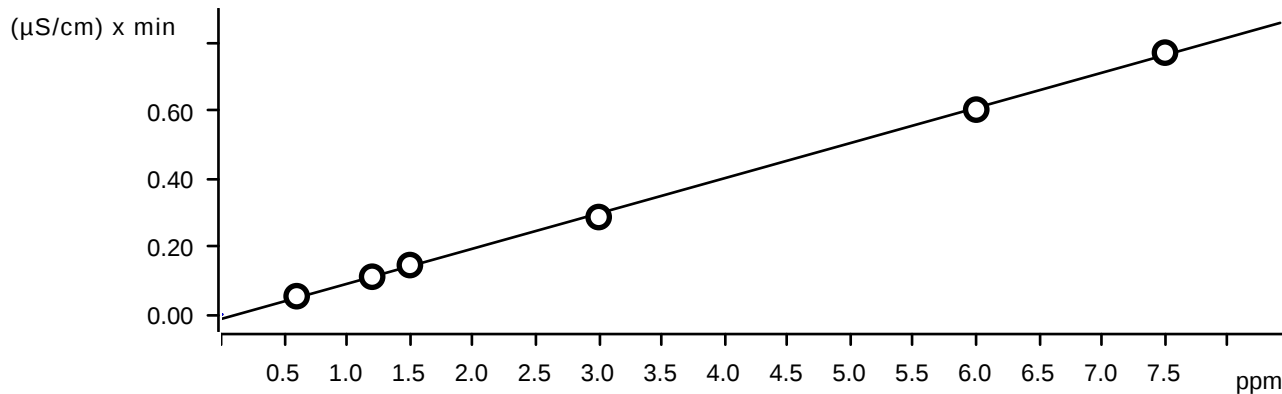
Fluoride (Anions)

Function: $A = -8.59514E-3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

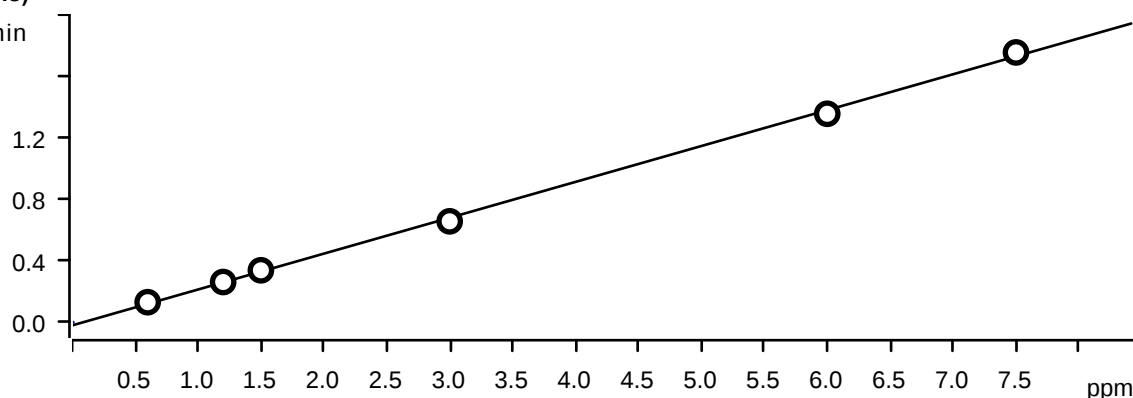
Chloride (Anions)

Function: $A = -0.0135108 + 0.0103555 \times Q$

Relative standard deviation 2.296685 %

Correlation coefficient 0.999735

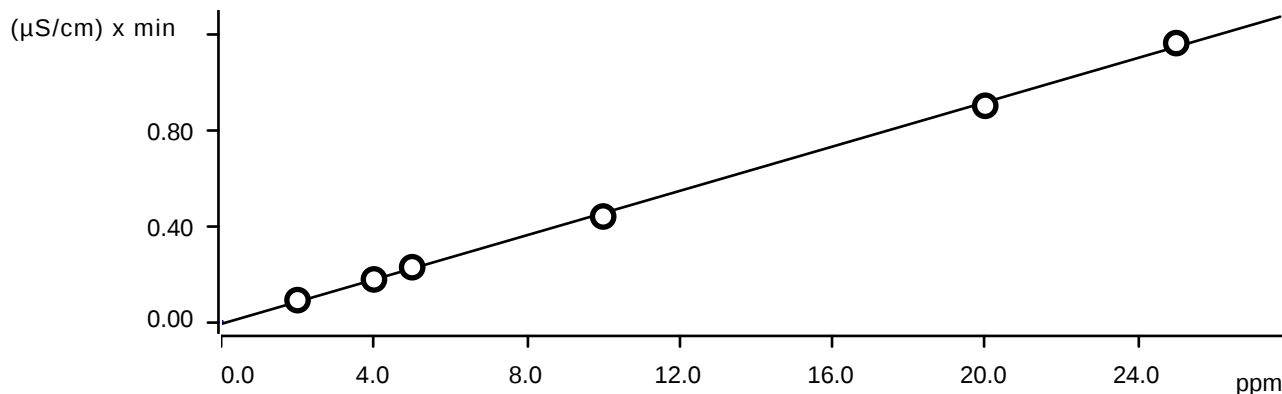
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

Nitrite (Anions) $(\mu\text{S/cm}) \times \text{min}$ Function: $A = -0.0211182 + 0.0233405 \times Q$

Relative standard deviation 2.929829 %

Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

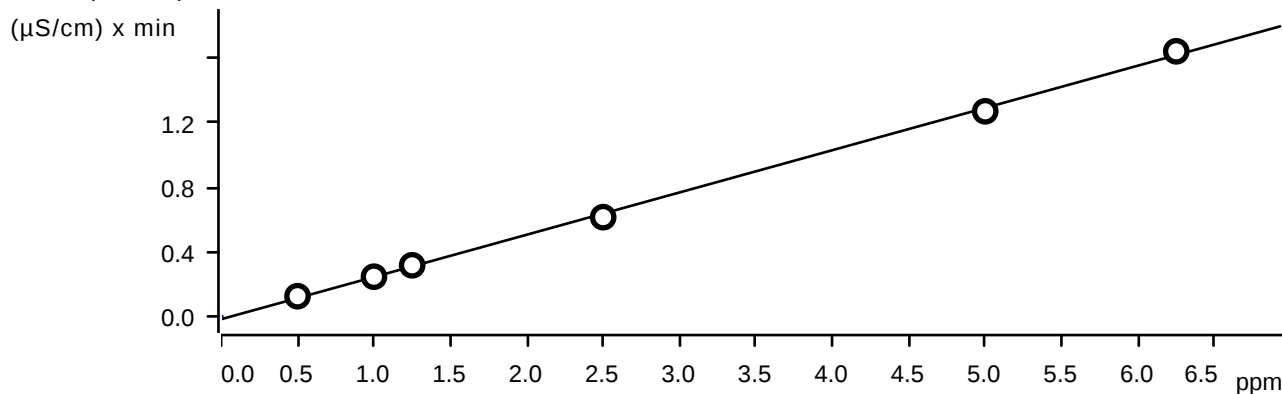
Bromide (Anions)

Function: $A = -0.0110314 + 4.63542E-3 \times Q$

Relative standard deviation 2.726009 %

Correlation coefficient 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

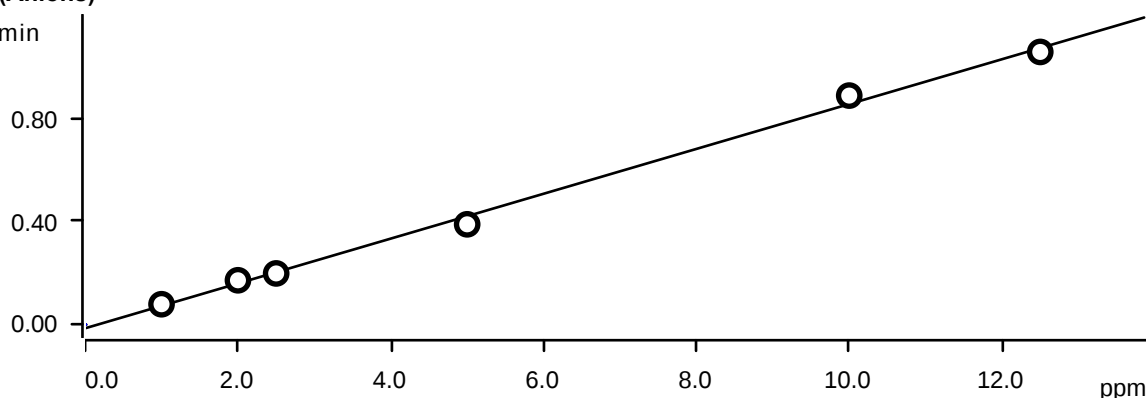
Nitrate (Anions)

Function: $A = -0.0185410 + 0.0261873 \times Q$

Relative standard deviation 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

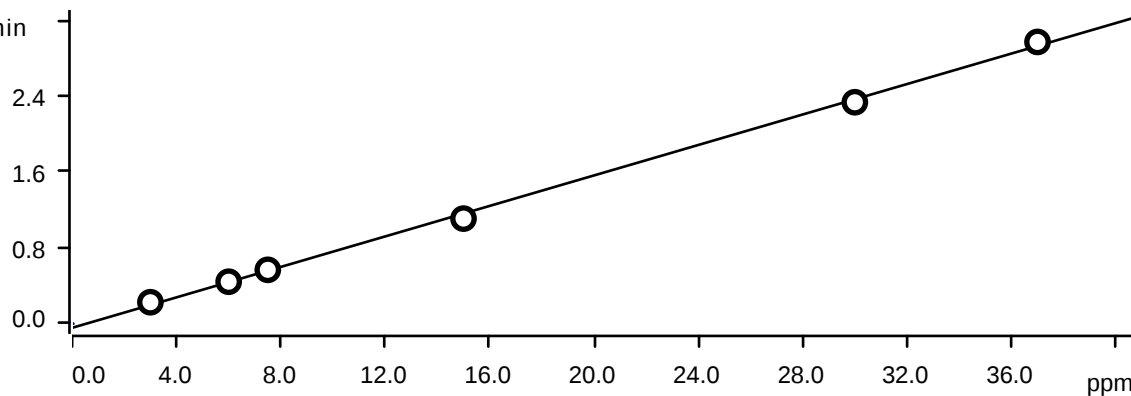
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

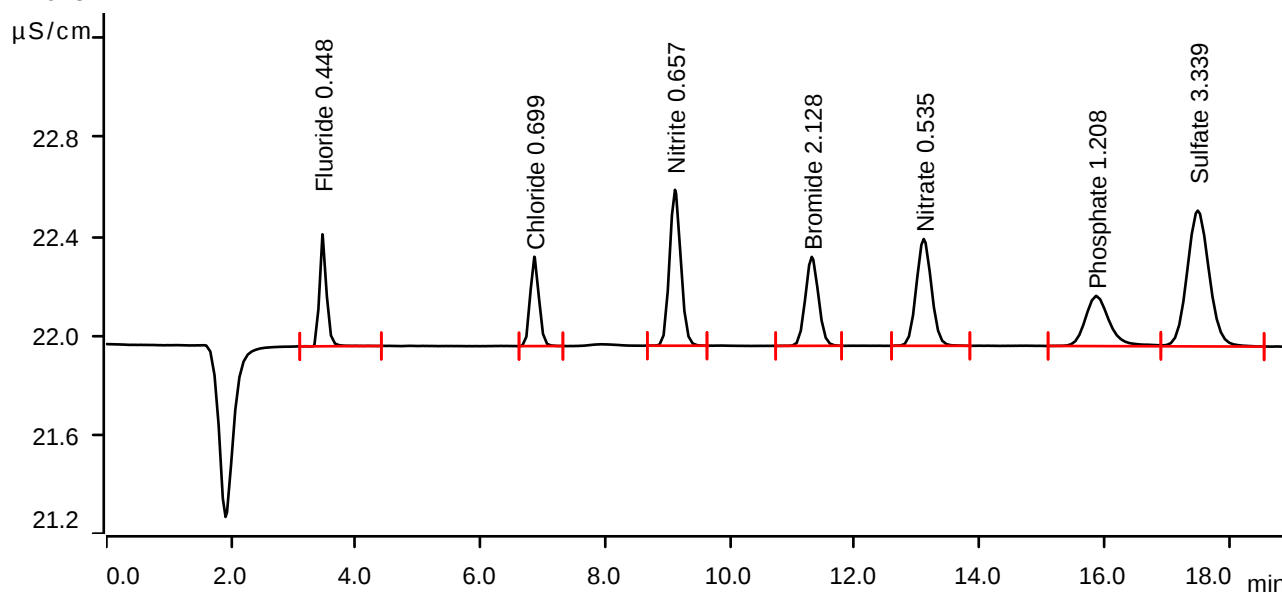
Sample data

Ident P3390-08
Sample type Sample
Determination start 2024-07-31 11:37:16 UTC-4
Method IC1-071924
Operator

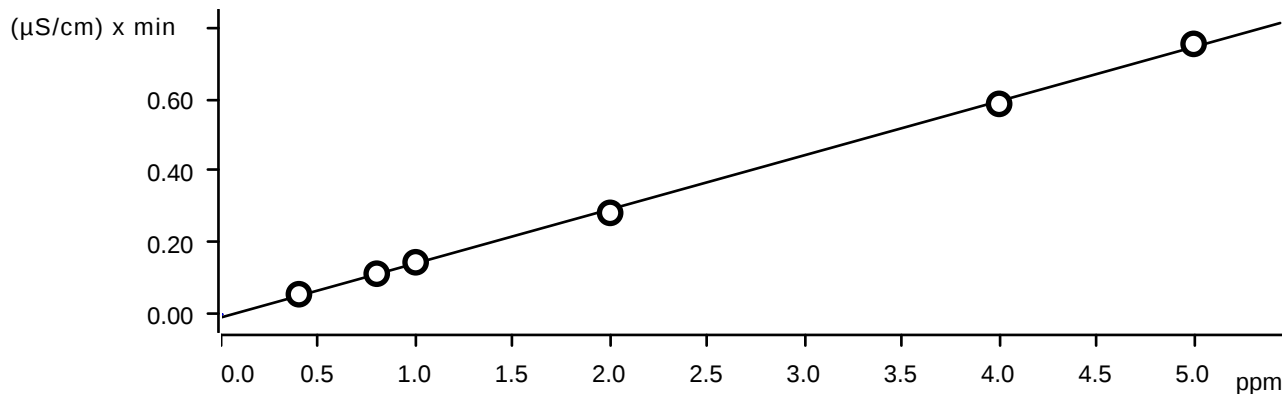
Anions

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	Area	Height	Concentration	Component name
	min	(µS/cm) x min	µS/cm	ppm	
1	3.465	0.0590	0.452	0.448	Fluoride
2	6.862	0.0588	0.361	0.699	Chloride
3	9.117	0.1322	0.629	0.657	Nitrite
4	11.310	0.0876	0.359	2.128	Bromide
5	13.105	0.1215	0.431	0.535	Nitrate
6	15.872	0.0907	0.203	1.208	Phosphate
7	17.498	0.2251	0.548	3.339	Sulfate

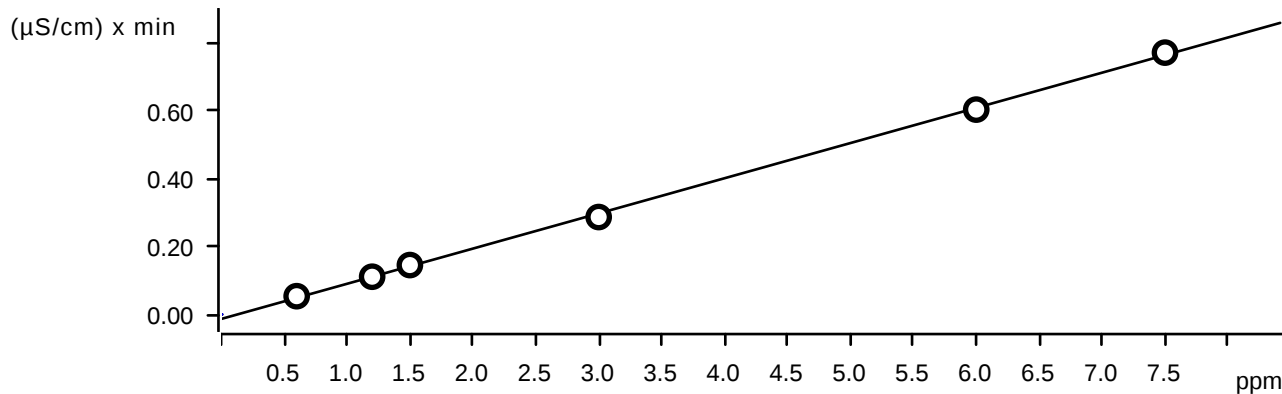
Fluoride (Anions)

Function: $A = -8.59514\text{E-}3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

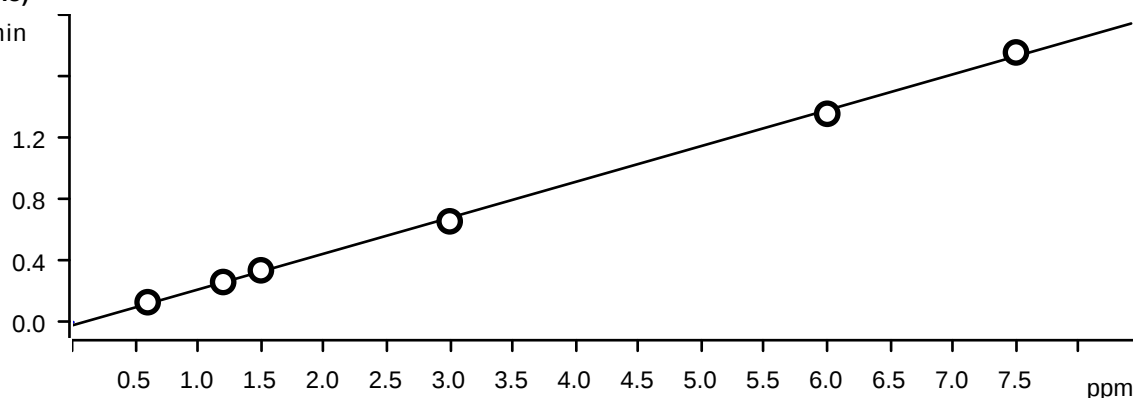
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

Chloride (Anions)

Function: $A = -0.0135108 + 0.0103555 \times Q$

Relative standard deviation 2.296685 %
Correlation coefficient 0.999735

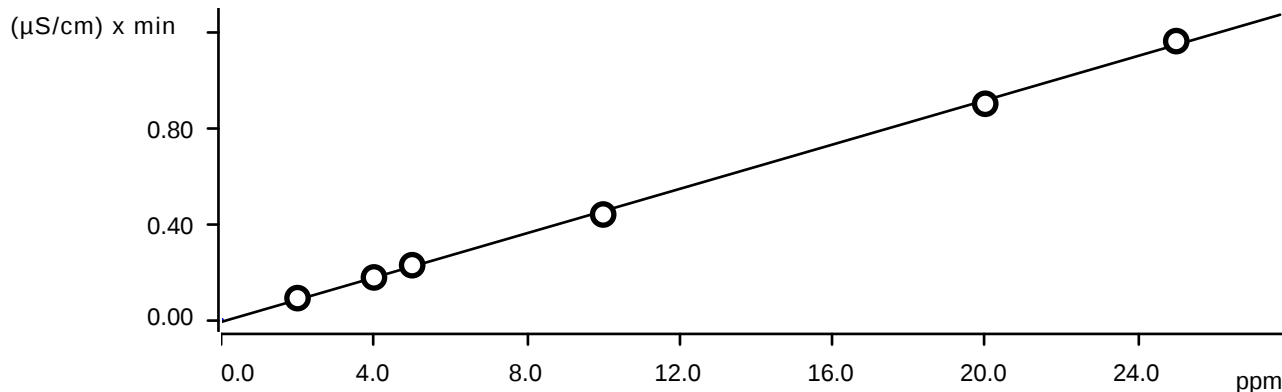
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

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

Function: $A = -0.0211182 + 0.0233405 \times Q$
Relative standard deviation 2.929829 %
Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

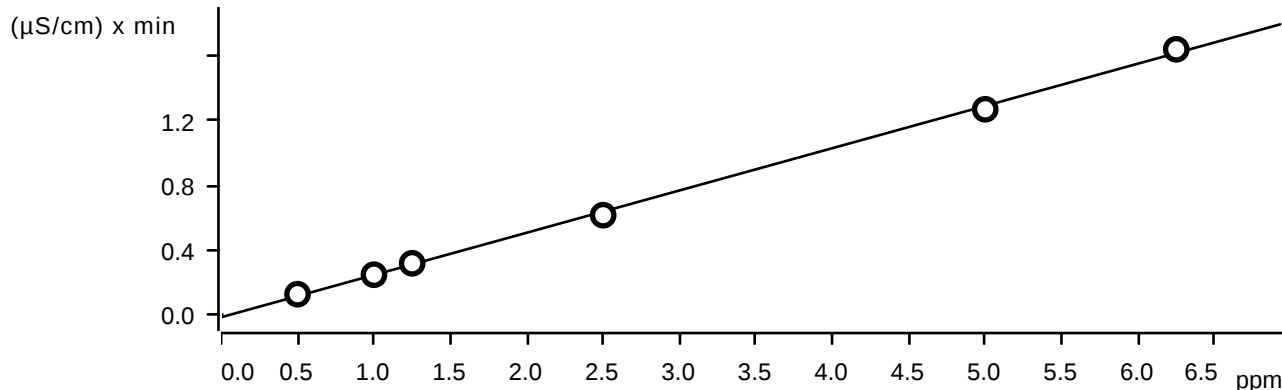
Bromide (Anions)



Function: $A = -0.0110314 + 4.63542E-3 \times Q$
 Relative standard deviation 2.726009 %
 Correlation coefficient 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

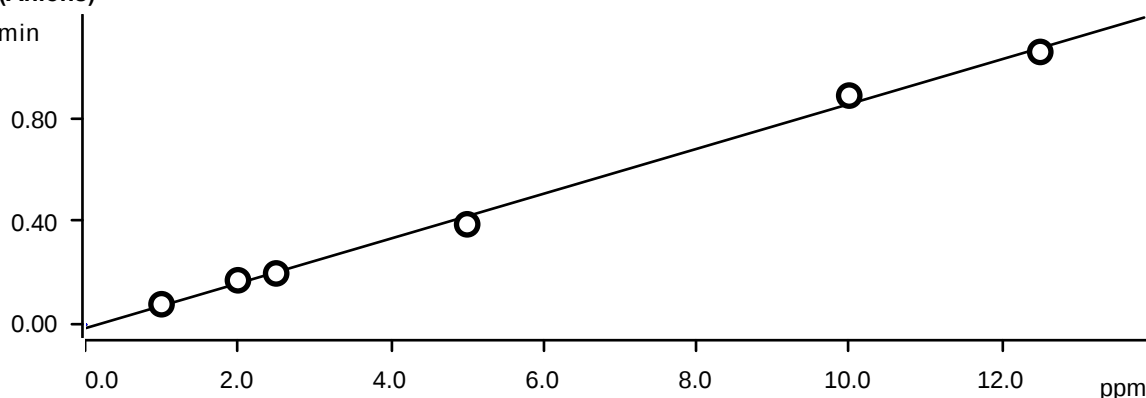
Nitrate (Anions)



Function: $A = -0.0185410 + 0.0261873 \times Q$
 Relative standard deviation 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

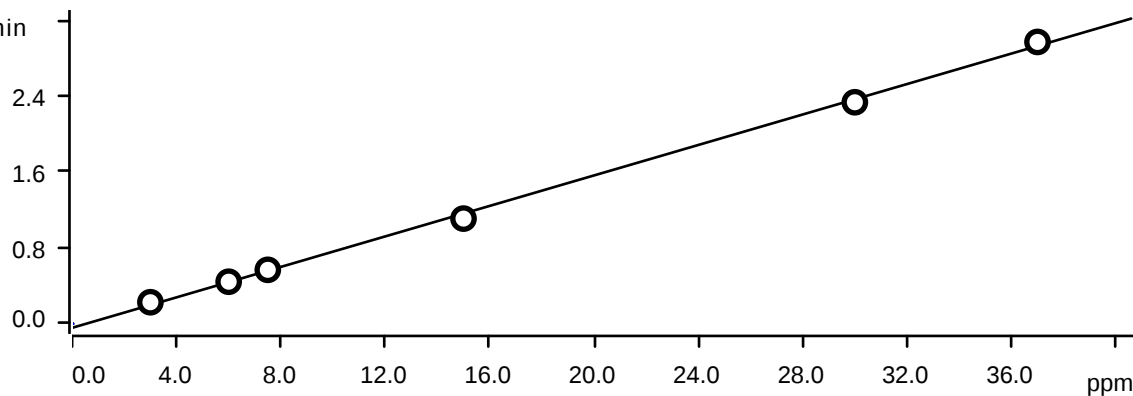
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

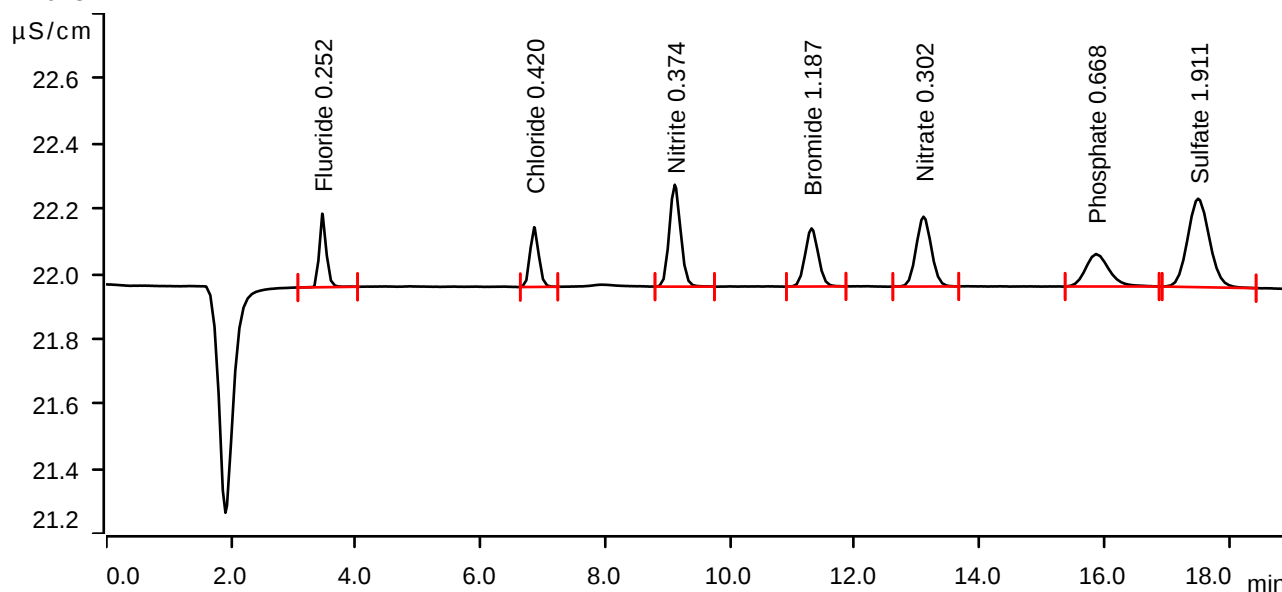
Sample data

Ident P3390-07
Sample type Sample
Determination start 2024-07-31 11:58:49 UTC-4
Method IC1-071924
Operator

Anions

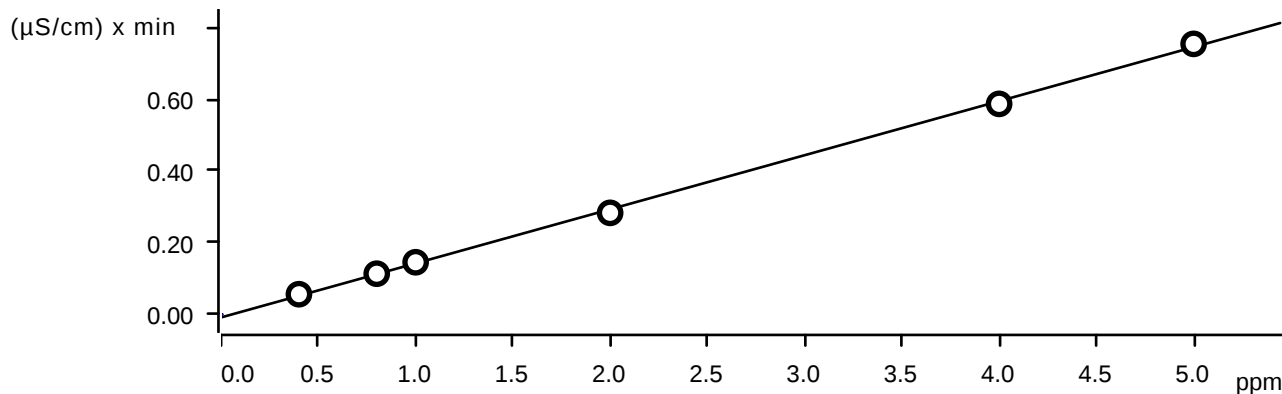
Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.67 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time	Area	Height	Concentration	Component name
	min	(µS/cm) x min	µS/cm	ppm	
1	3.462	0.0293	0.226	0.252	Fluoride
2	6.860	0.0299	0.184	0.420	Chloride
3	9.113	0.0662	0.313	0.374	Nitrite
4	11.307	0.0440	0.179	1.187	Bromide
5	13.102	0.0607	0.215	0.302	Nitrate
6	15.865	0.0438	0.100	0.668	Phosphate
7	17.505	0.1105	0.272	1.911	Sulfate

Fluoride (Anions)

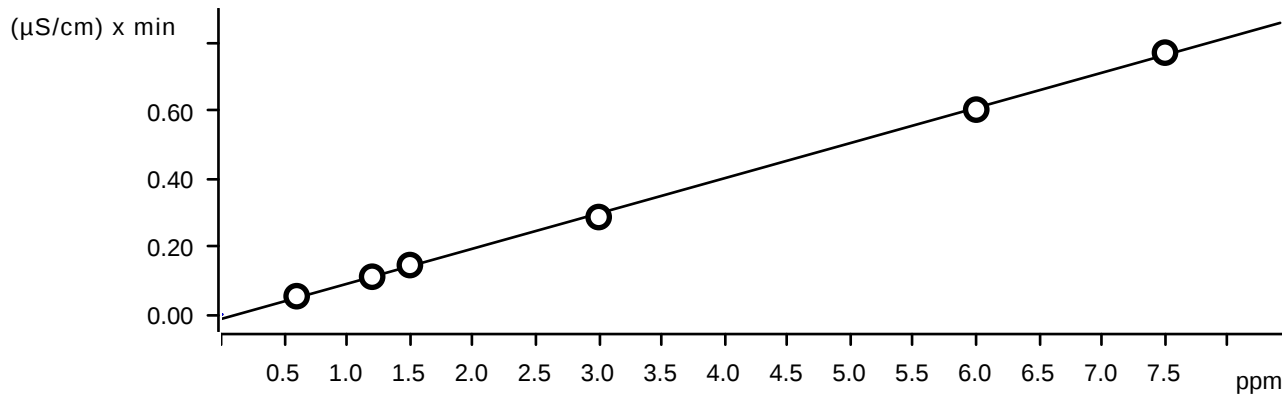
Function: $A = -8.59514\text{E-}3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

Chloride (Anions)

Function: $A = -0.0135108 + 0.0103555 \times Q$

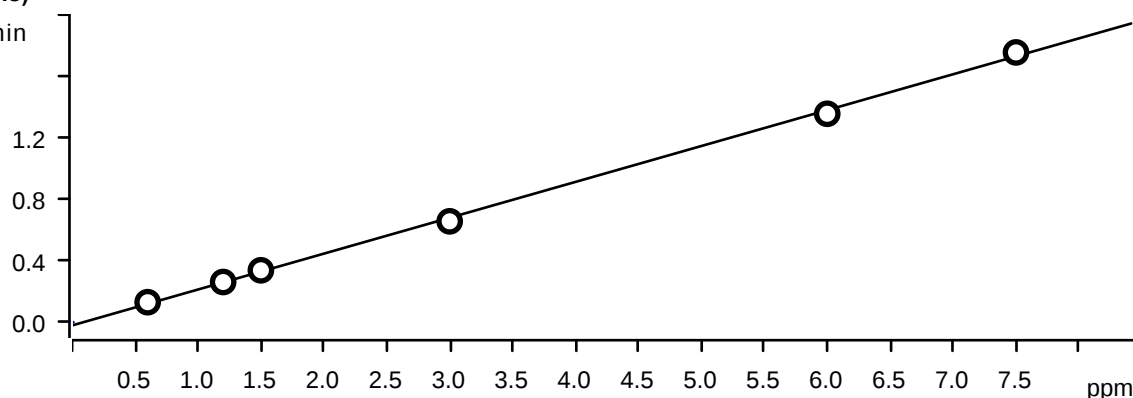
Relative standard deviation 2.296685 %

Correlation coefficient 0.999735

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

Nitrite (Anions)

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

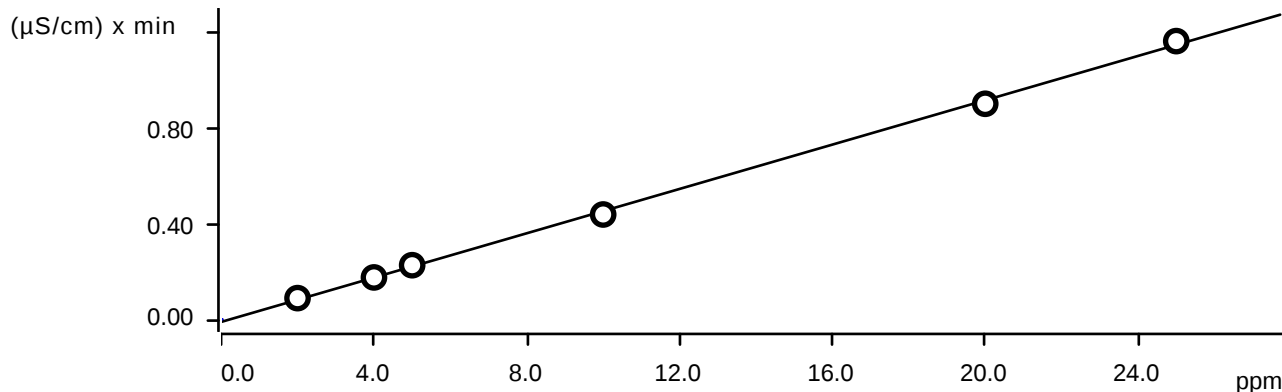


Function: $A = -0.0211182 + 0.0233405 \times Q$

Relative standard deviation 2.929829 %

Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

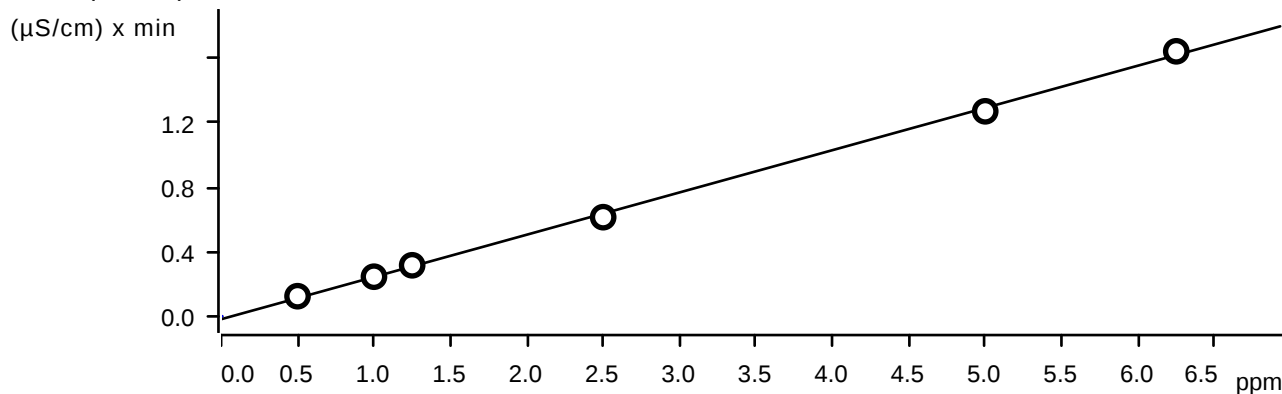
Bromide (Anions)

Function: $A = -0.0110314 + 4.63542E-3 \times Q$

Relative standard deviation 2.726009 %

Correlation coefficient 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

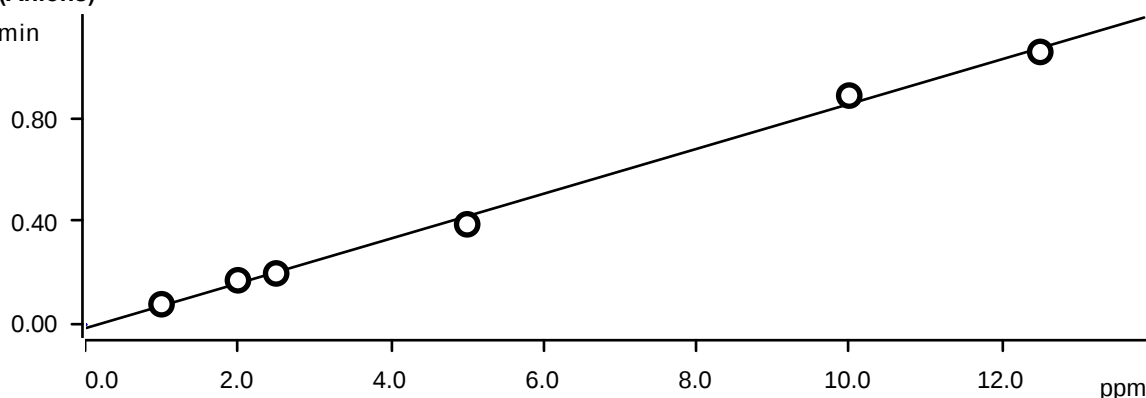
Nitrate (Anions)

Function: $A = -0.0185410 + 0.0261873 \times Q$

Relative standard deviation 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

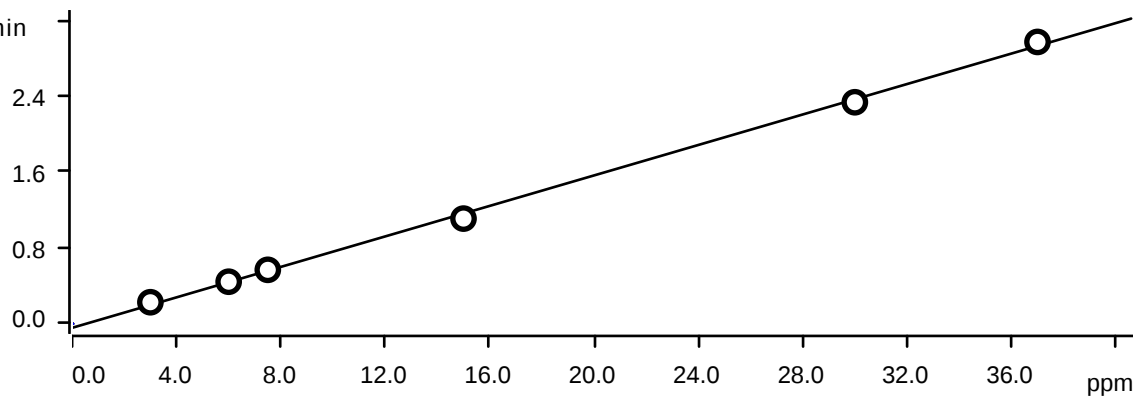
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

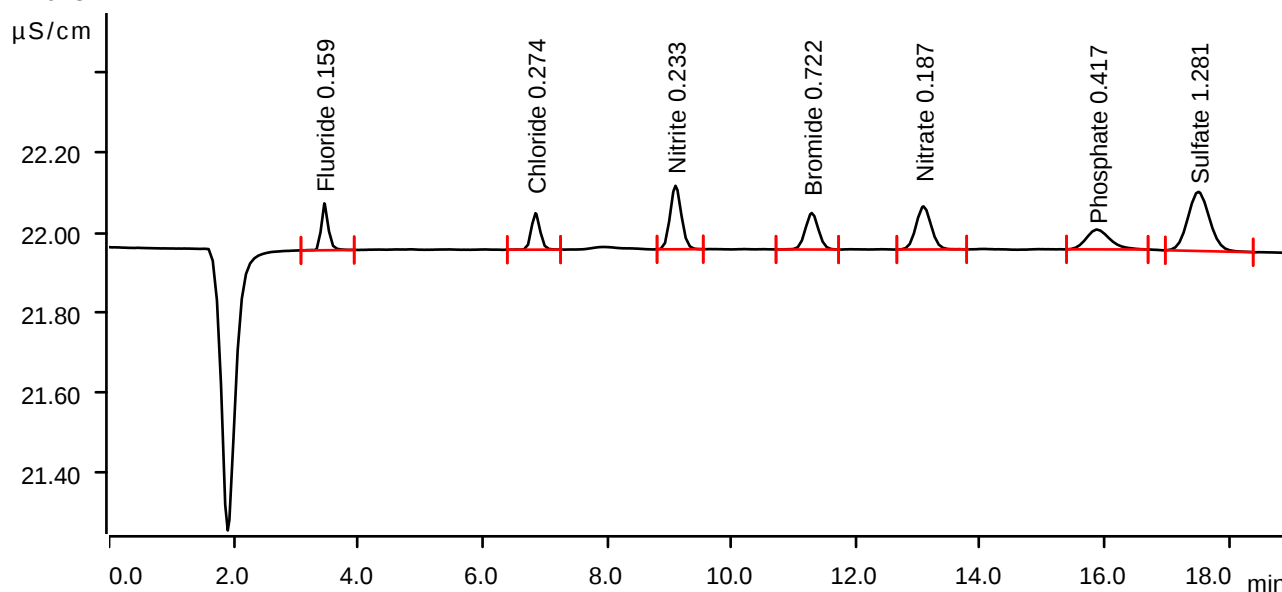
Sample data

Ident P3390-07RE 0.25ML
Sample type Sample
Determination start 2024-07-31 12:20:23 UTC-4
Method IC1-071924
Operator

Anions

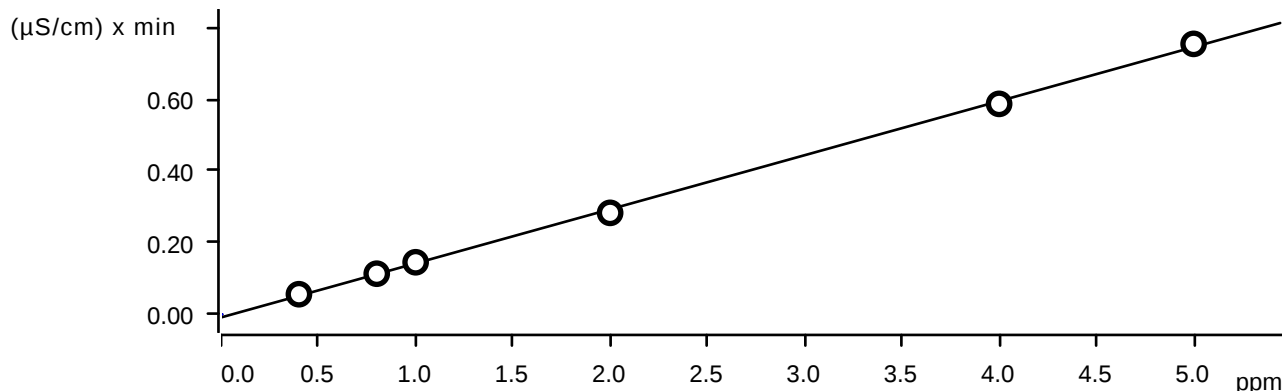
Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.67 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time	Area	Height	Concentration	Component name
	min	(µS/cm) x min	µS/cm	ppm	
1	3.460	0.0154	0.117	0.159	Fluoride
2	6.853	0.0149	0.091	0.274	Chloride
3	9.103	0.0333	0.159	0.233	Nitrite
4	11.292	0.0225	0.091	0.722	Bromide
5	13.088	0.0305	0.108	0.187	Nitrate
6	15.877	0.0220	0.050	0.417	Phosphate
7	17.508	0.0600	0.148	1.281	Sulfate

Fluoride (Anions)



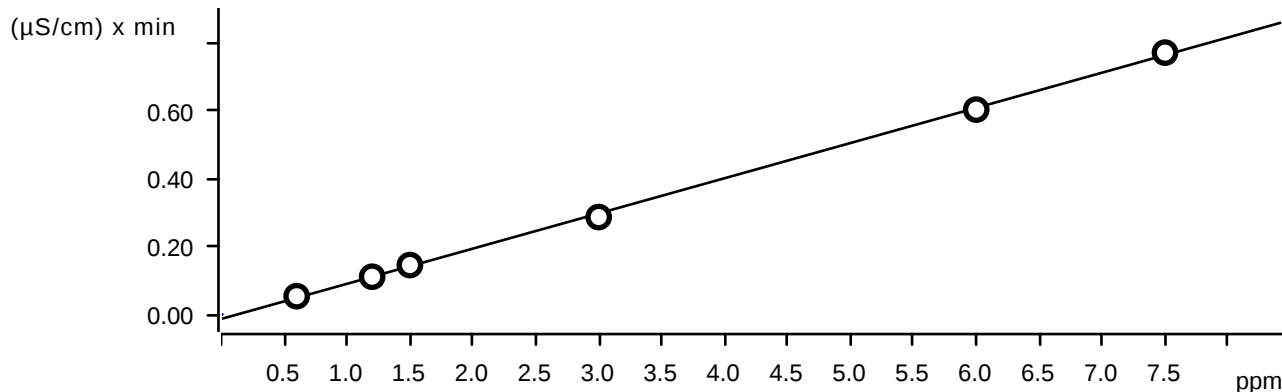
Function: $A = -8.59514E-3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

Chloride (Anions)

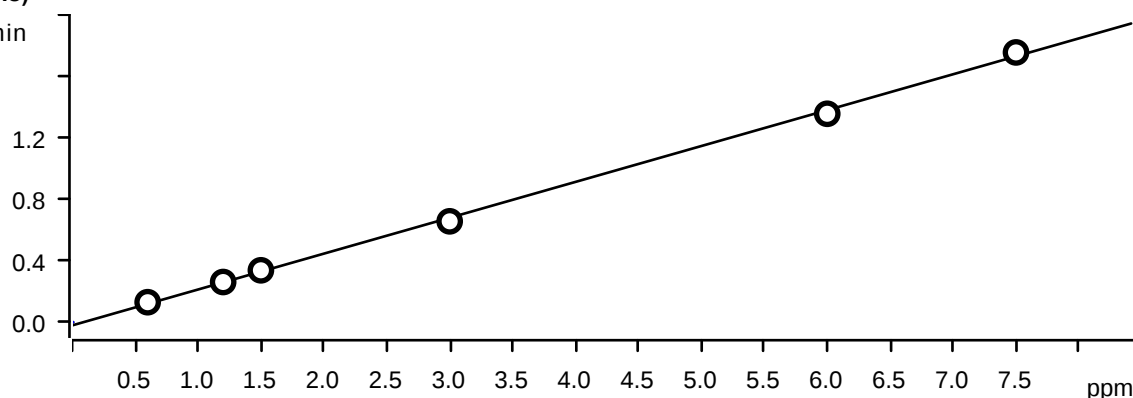


Function: $A = -0.0135108 + 0.0103555 \times Q$

Relative standard deviation 2.296685 %

Correlation coefficient 0.999735

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

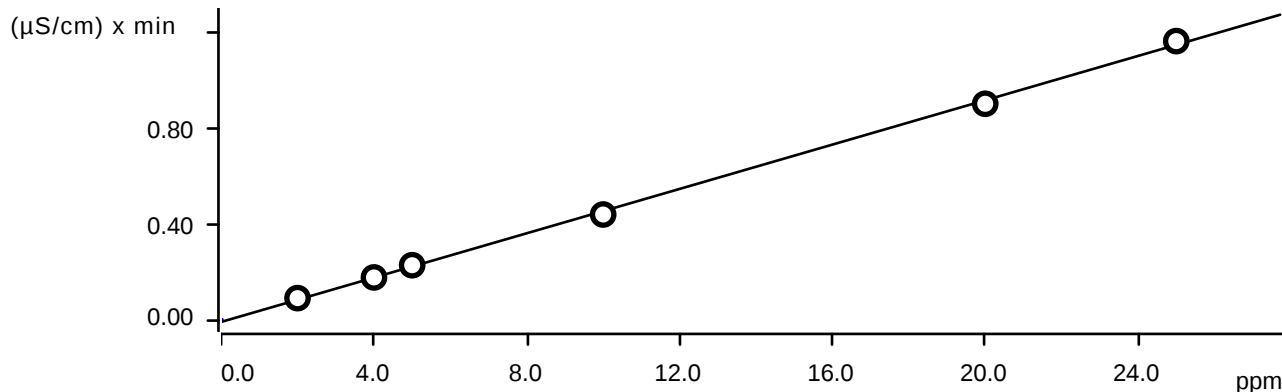
Nitrite (Anions) $(\mu\text{S/cm}) \times \text{min}$ Function: $A = -0.0211182 + 0.0233405 \times Q$

Relative standard deviation 2.929829 %

Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

Bromide (Anions)



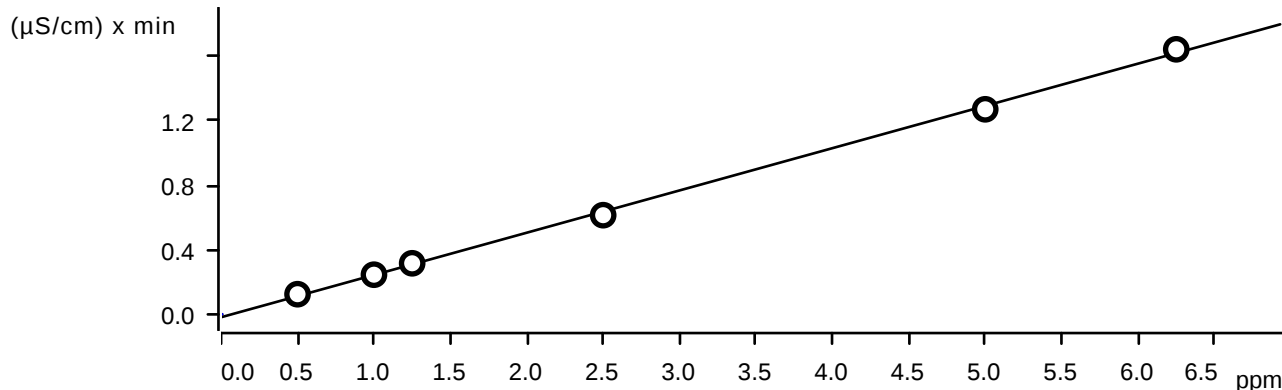
Function: $A = -0.0110314 + 4.63542E-3 \times Q$

Relative standard deviation: 2.726009 %

Correlation coefficient: 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

Nitrate (Anions)

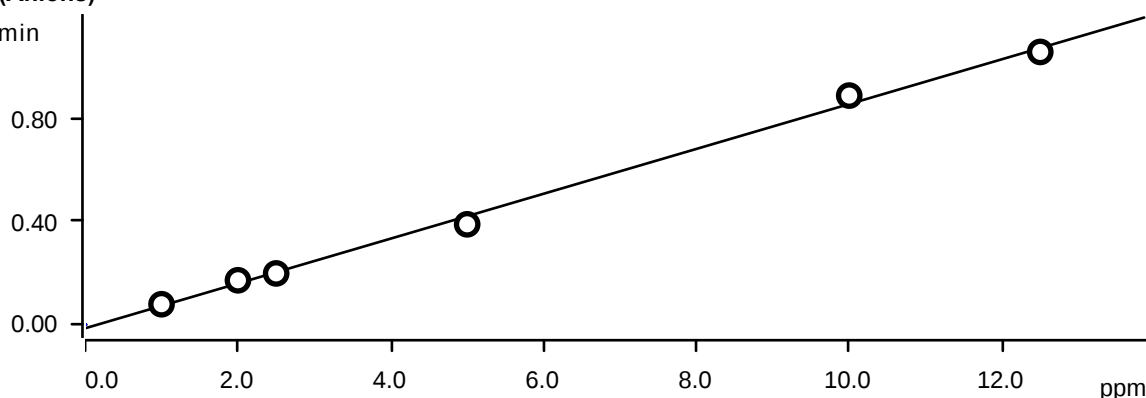


Function: $A = -0.0185410 + 0.0261873 \times Q$

Relative standard deviation: 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

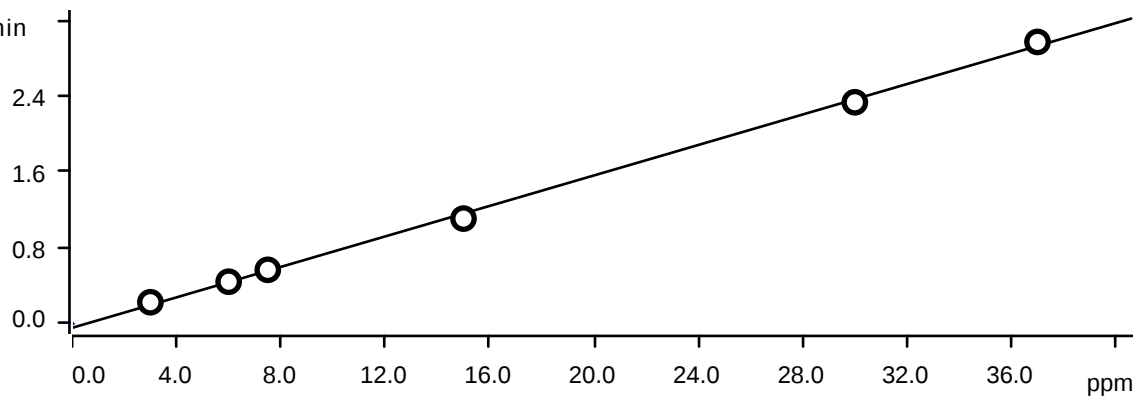
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

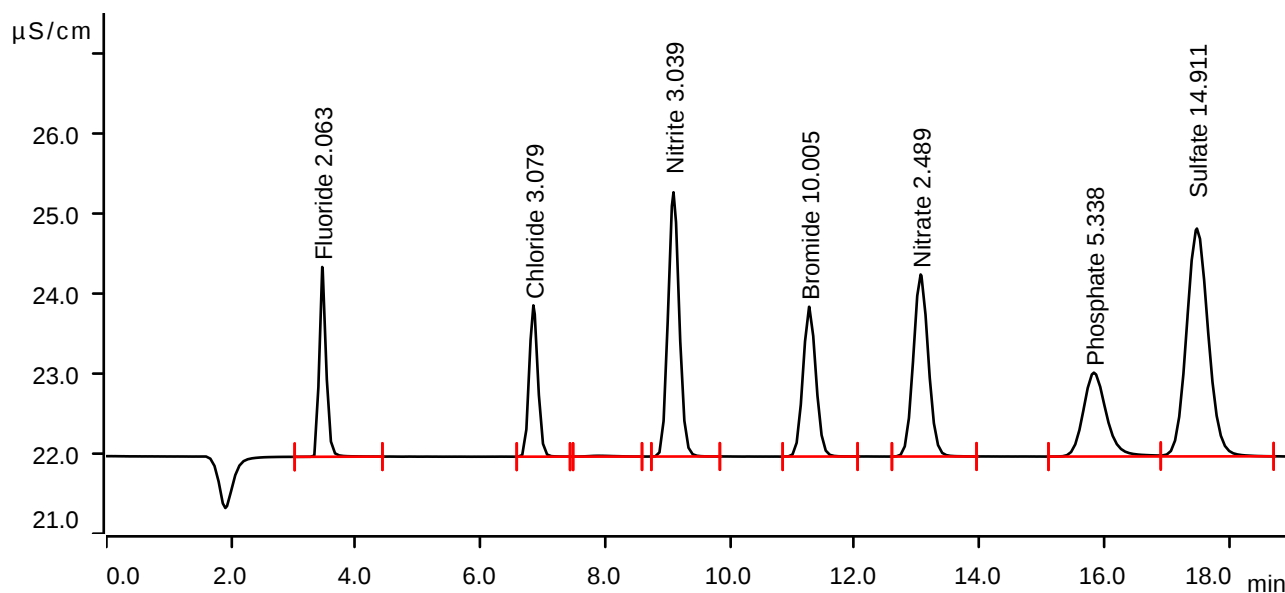
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2024-07-31 12:41:57 UTC-4
Method IC1-071924
Operator

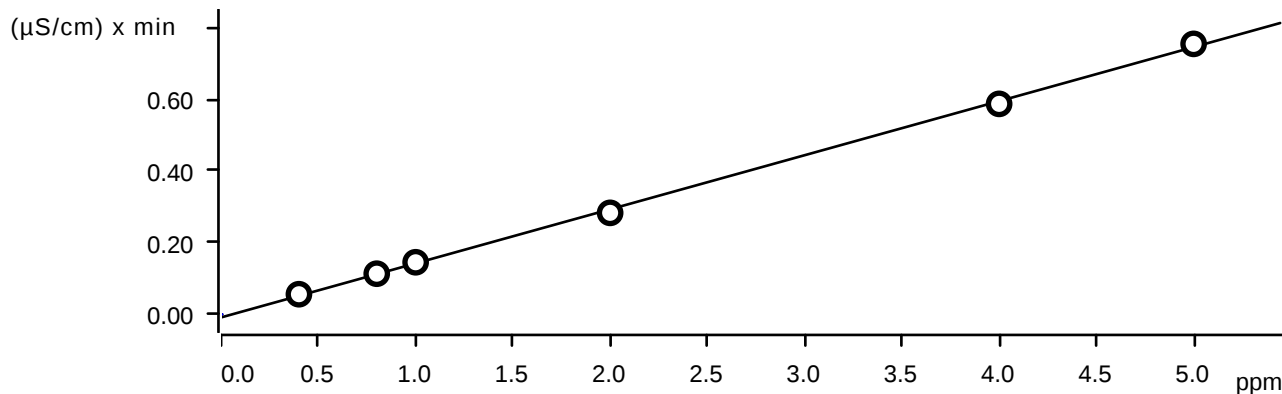
Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.61 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (μS/cm) x min	Height μS/cm	Concentration ppm	Component name
1	3.462	0.3024	2.371	2.063	Fluoride
2	6.847	0.3054	1.891	3.079	Chloride
3	7.903	0.0049	0.010	invalid	
4	9.093	0.6881	3.302	3.039	Nitrite
5	11.270	0.4528	1.872	10.005	Bromide
6	13.055	0.6333	2.275	2.489	Nitrate
7	15.833	0.4493	1.048	5.338	Phosphate
8	17.485	1.1537	2.847	14.911	Sulfate

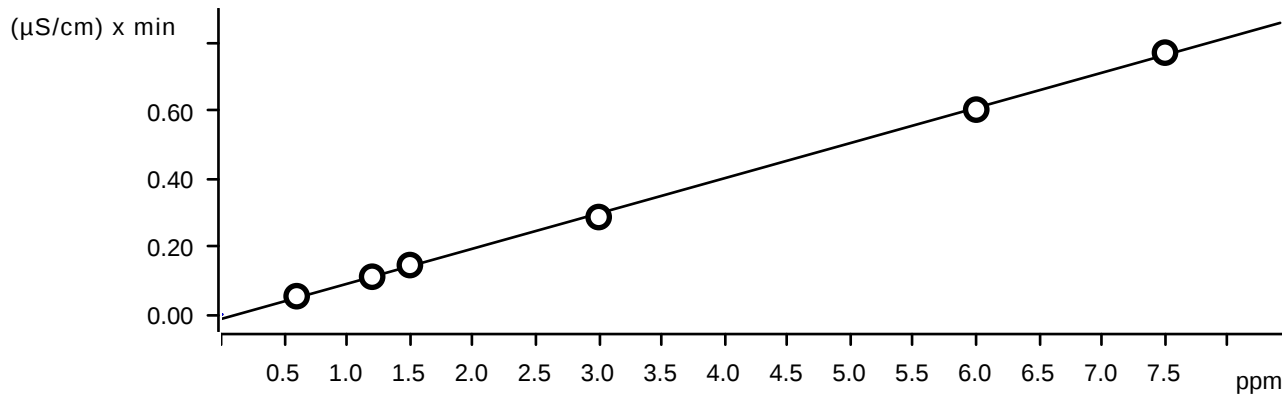
Fluoride (Anions)

Function: $A = -8.59514E-3 + 0.0150742 \times Q$

Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

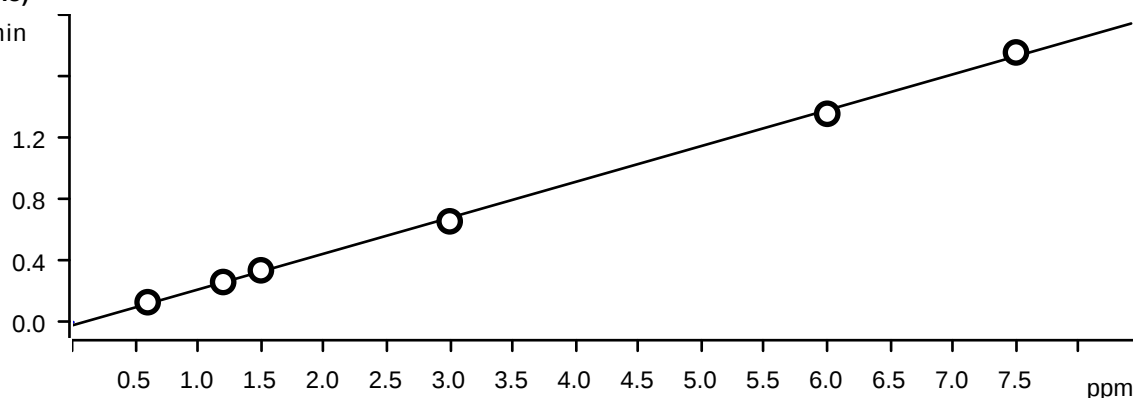
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

Chloride (Anions)

Function: $A = -0.0135108 + 0.0103555 \times Q$

Relative standard deviation 2.296685 %
Correlation coefficient 0.999735

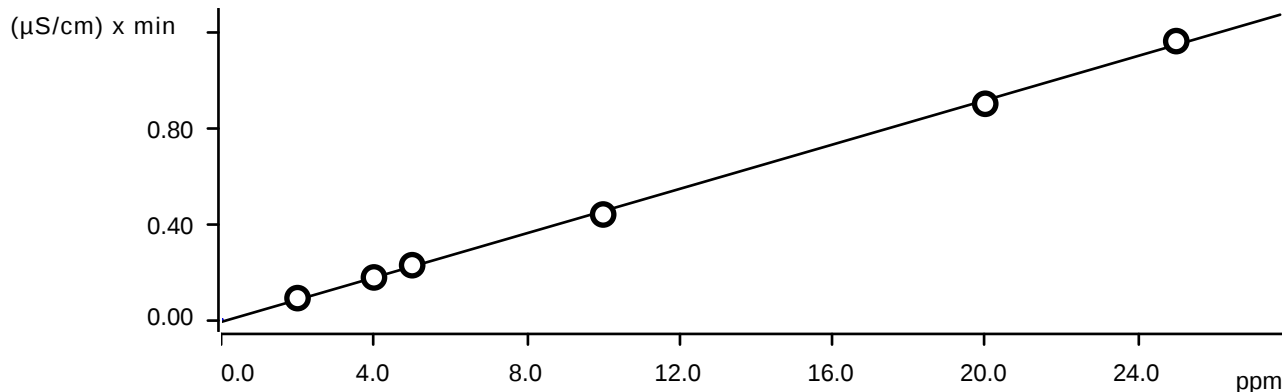
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

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

Function: $A = -0.0211182 + 0.0233405 \times Q$
Relative standard deviation 2.929829 %
Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

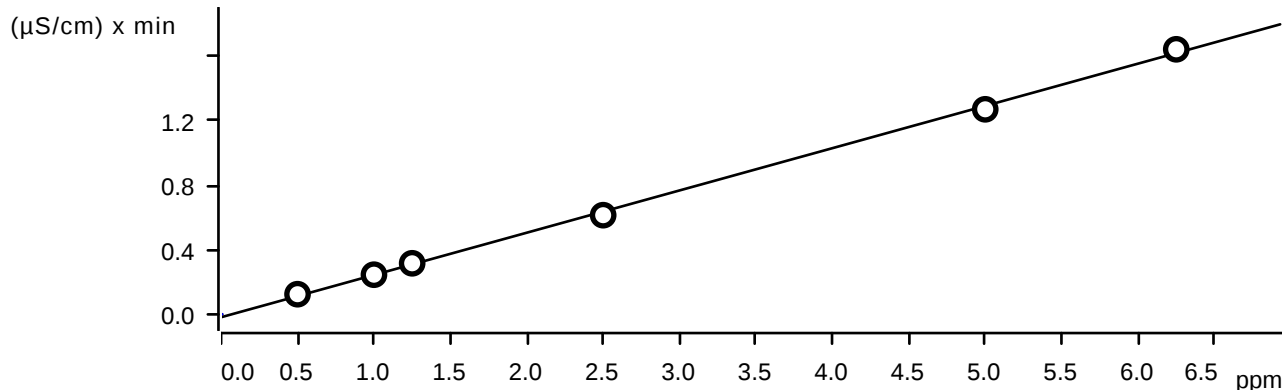
Bromide (Anions)



Function: $A = -0.0110314 + 4.63542E-3 \times Q$
 Relative standard deviation: 2.726009 %
 Correlation coefficient: 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

Nitrate (Anions)



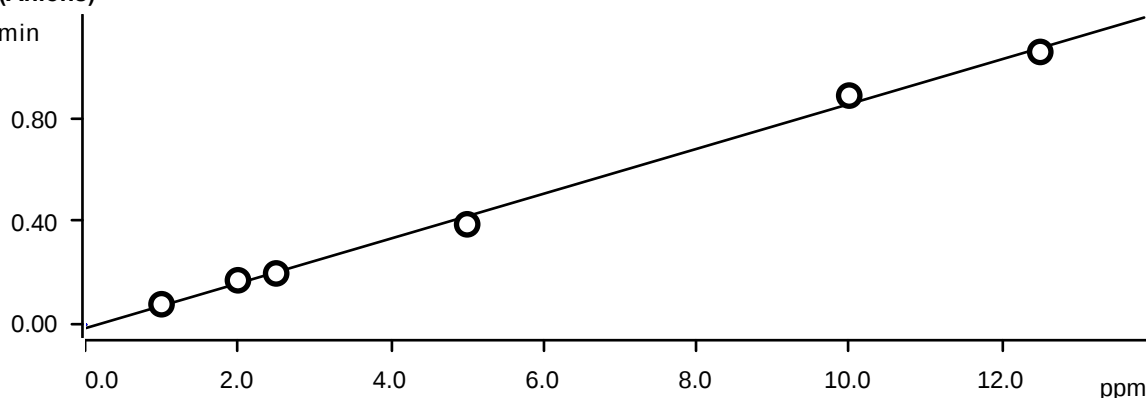
Function: $A = -0.0185410 + 0.0261873 \times Q$
 Relative standard deviation: 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

Phosphate (Anions)

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

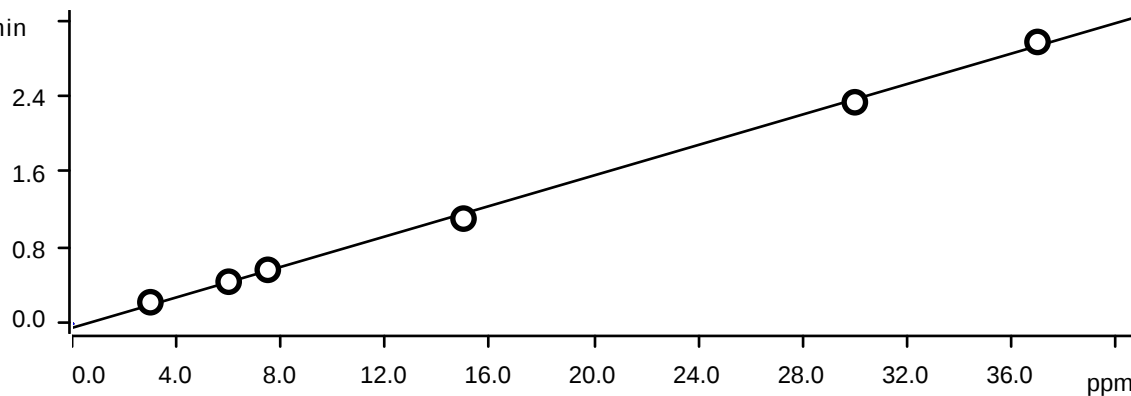


Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

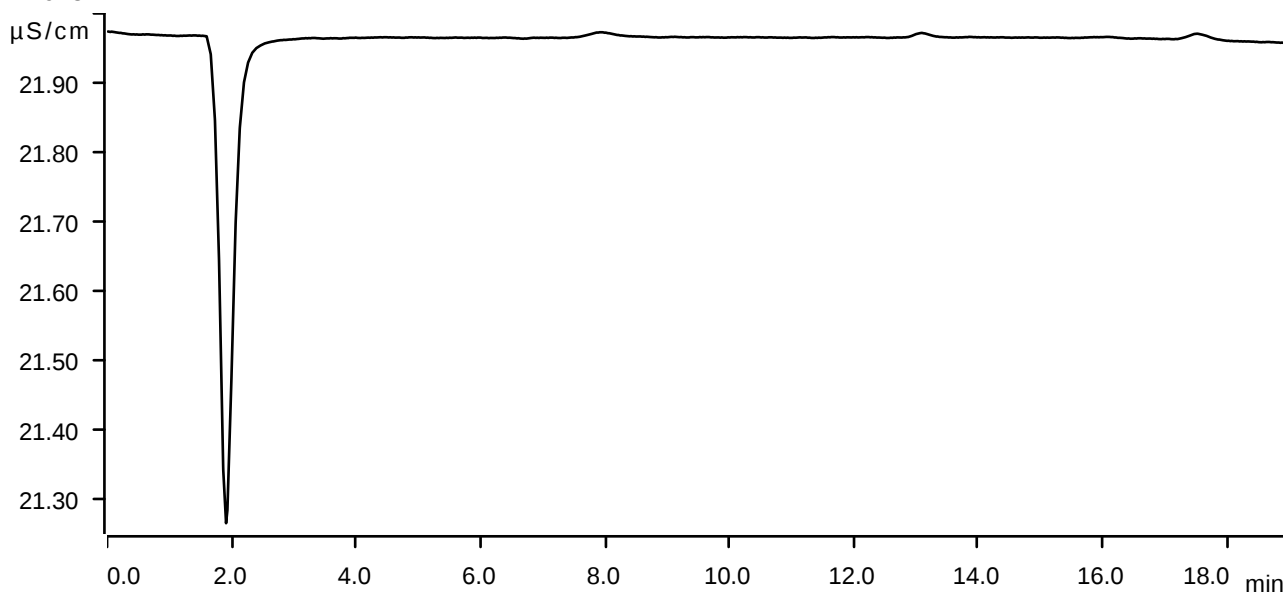
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used

Sample data

Ident CCB
Sample type Sample
Determination start 2024-07-31 13:03:27 UTC-4
Method IC1-071924
Operator

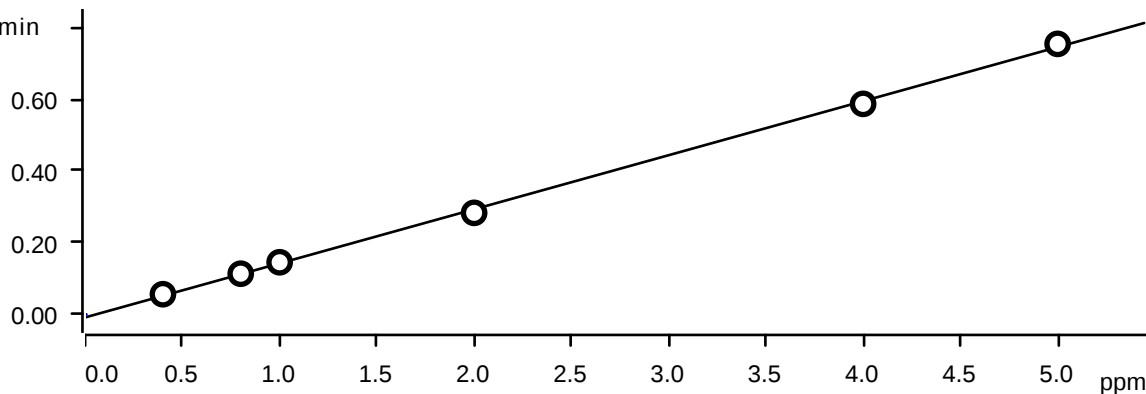
Anions

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

Fluoride (Anions)

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



Function: $A = -8.59514\text{E-}3 + 0.0150742 \times Q$

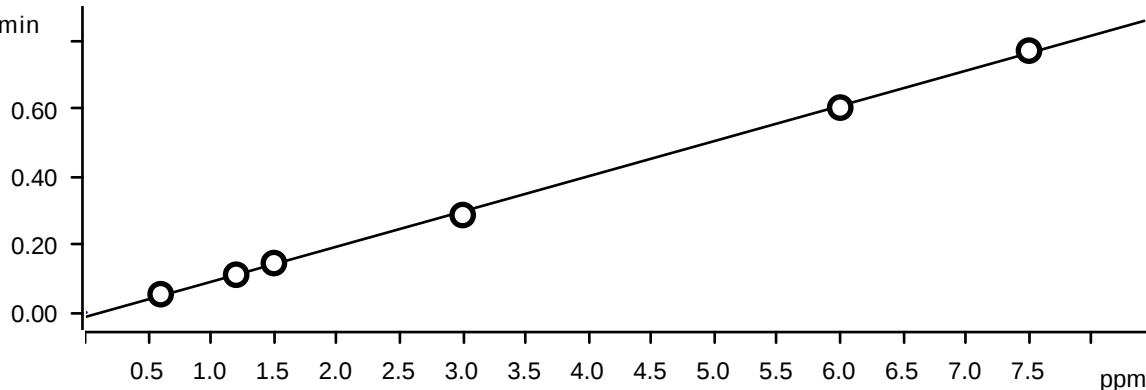
Relative standard deviation 2.523598 %

Correlation coefficient 0.999671

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.056	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.113	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.283	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.587	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.754	STD7	2024-07-19 13:32:19 UTC-4	used

Chloride (Anions)

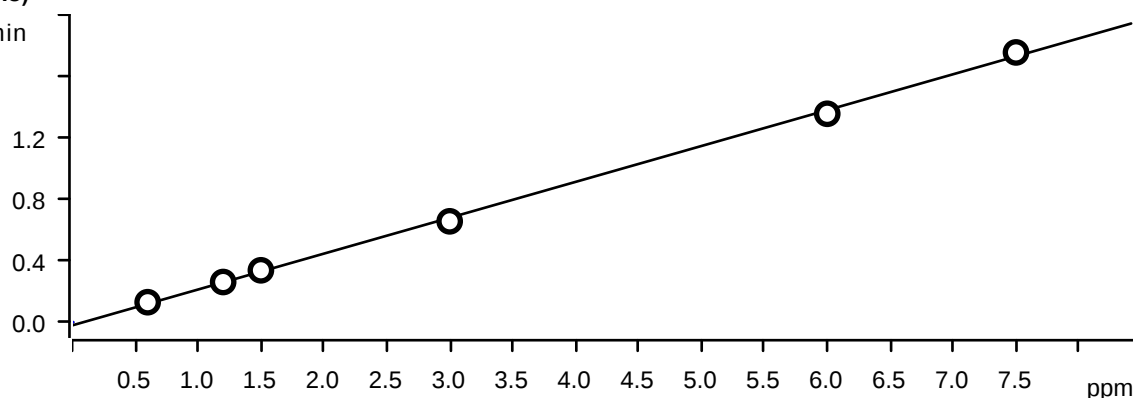
($\mu\text{S}/\text{cm}$) x min



Function: $A = -0.0135108 + 0.0103555 \times Q$

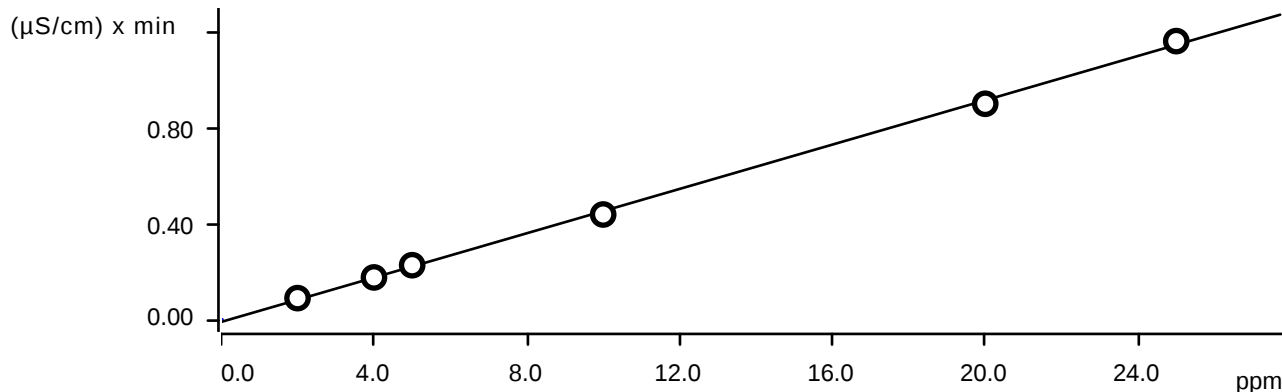
Relative standard deviation 2.296685 %
Correlation coefficient 0.999735

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.054	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.111	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.145	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.287	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.603	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.770	STD7	2024-07-19 13:32:19 UTC-4	used

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

Function: $A = -0.0211182 + 0.0233405 \times Q$
Relative standard deviation 2.929829 %
Correlation coefficient 0.999558

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.130	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.261	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.337	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.656	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.356	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.755	STD7	2024-07-19 13:32:19 UTC-4	used

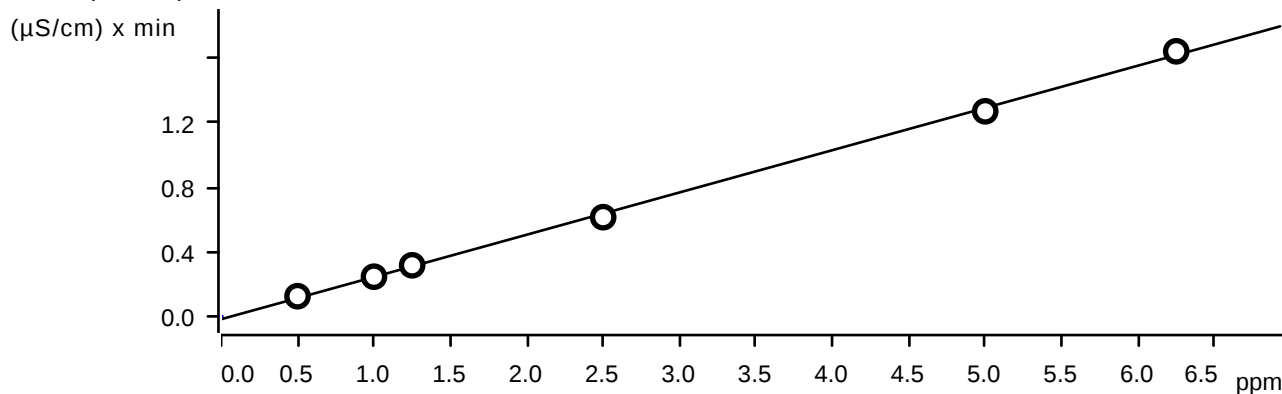
Bromide (Anions)

Function: $A = -0.0110314 + 4.63542E-3 \times Q$

Relative standard deviation 2.726009 %

Correlation coefficient 0.999613

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.089	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.175	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.226	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.438	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.901	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.163	STD7	2024-07-19 13:32:19 UTC-4	used

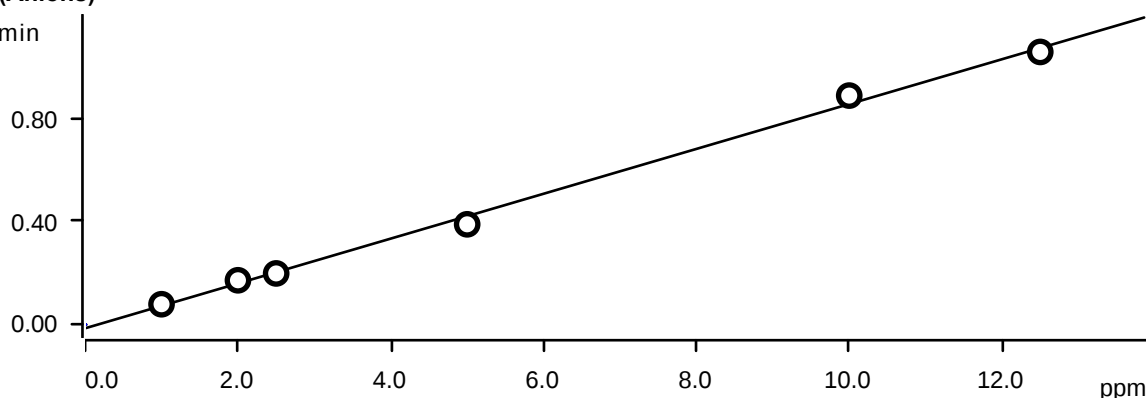
Nitrate (Anions)

Function: $A = -0.0185410 + 0.0261873 \times Q$

Relative standard deviation 2.914814 %

Correlation coefficient 0.999561

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.316	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.614	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.270	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.641	STD7	2024-07-19 13:32:19 UTC-4	used

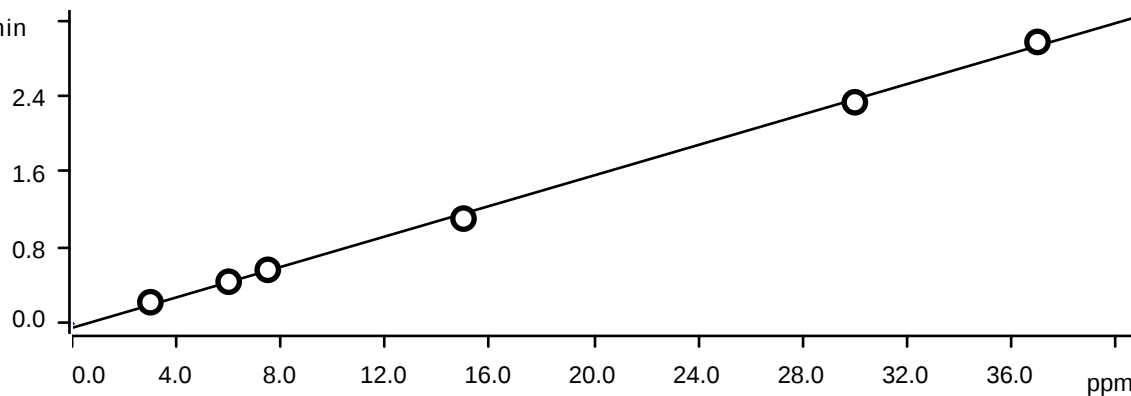
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0141904 + 8.68231E-3 \times Q$

Relative standard deviation 5.406321 %

Correlation coefficient 0.998504

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.079	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.172	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.198	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.388	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.887	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.056	STD7	2024-07-19 13:32:19 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0427895 + 8.02453E-3 \times Q$

Relative standard deviation 3.165068 %

Correlation coefficient 0.999484

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	2024-07-19 11:23:53 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.227	STD2	2024-07-19 11:45:13 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.443	STD3	2024-07-19 12:06:37 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.568	STD4	2024-07-19 12:28:02 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.108	STD5	2024-07-19 12:49:26 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.333	STD6	2024-07-19 13:10:52 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.968	STD7	2024-07-19 13:32:19 UTC-4	used