



SHRADDHA
ANALYTICAL SERVICES
Serving The Industry Since Last 22 Years

Ion Chromatography

Sample Requirement:-

1. Solid Sample - 1 gm.
2. Liquid Sample - 1 ml.

IC Validation:-

Recovery & Spiking Studies.

Applications :-

1. Qualitative Analysis of Anions – Chloride, Iodide, Acetate, Formate, Chlorite, Bromate, Benzoate, Selenite, Succinate, Arsenate, Oxalate, Bromide, Fluoride, Nitrite, Nitrate, Phosphate, Sulphate.
2. Qualitative Analysis of Cations – Sodium, Lithium, Potassium, Calcium, Magnesium, Ammonium, Manganese.

Metrohm ECO IC 925



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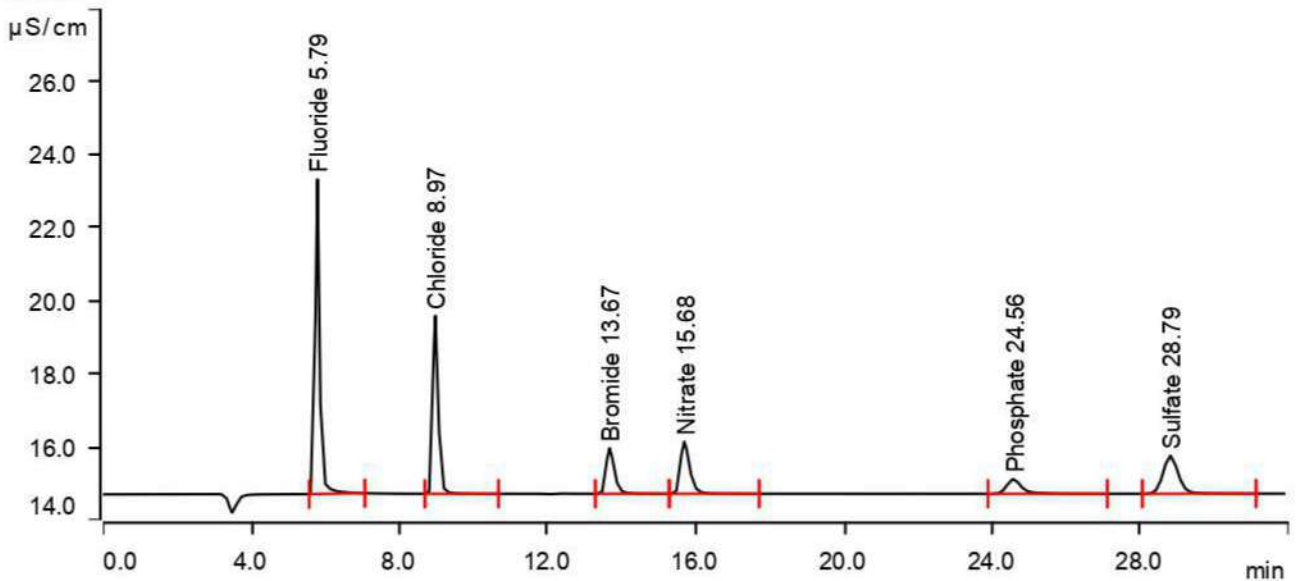
Sample data

Ident 5 ppm mix std
 Sample type Standard 3
 Determination start 2020-02-20 13:51:40 UTC+5:30
 Method Anion Standard
 OPERATOR:

Anions

Data source Conductivity detector 1 (Ion chromatograph)
 Channel Conductivity
 Recording time 32.0 min
 Integration Automatically
 Column type Metrosep A Supp 5 - 250/4.0
 Eluent composition not defined
 Flow 0.700 mL/min
 Maximum flow monitored yes
 Pressure 11.08 MPa
 Maximum pressure monitored yes
 Temperature --- °C

Anions



Peak number	Component name	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm
1	Fluoride	5.787	1.1762	8.592	5.017
2	Chloride	8.967	0.8093	4.860	5.009
3	Bromide	13.667	0.3256	1.242	5.007
4	Nitrate	15.678	0.4159	1.417	5.012
5	Phosphate	24.558	0.1904	0.396	5.003
6	Sulfate	28.793	0.4969	1.033	5.002