

# Organic IC



## Principle

**Ion chromatography**, a form of liquid chromatography, measures concentrations of ionic species by separating them based on their interaction with a resin. Ionic species separate differently depending on species type and size. The ions in an eluent pass through a pressurized chromatographic column where ions are absorbed by column constituents, begin separating from the column. The retention time of different species and the continuous measurement of the eluent conductivity determines the ions and their concentration in the sample. Coupled with a single quadrupole mass detector enhance sensitivity and selectivity and allow identification of unknown anions.

## Capabilities

- Quantitative determination of fluorosurfactant in water.
- Qualitative and quantitative analysis of hydrophilic organic anions in water, also at trace level.

## Assets

	Asset	Details
	<b>Thermo Scientific Dionex ICS-6000</b>	Double Ion Chromatography System with autosampler and Agilent MS Agilent detector Single Quadrupole
	<b>Agilent 6110</b>	Single Quadrupole mass spectrometer coupled with Ion Chromatography System (IC-MS)

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