

AOF-CIC

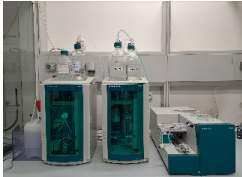
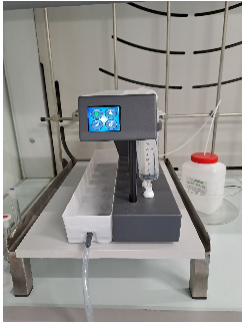
Principle

Absorbable Organic Fluorine – Combustion Ion Chromatography (AOF-CIC) measures organofluoride compounds from per- and polyfluoroalkyl substances (PFAS) and non-PFAS fluorinated compounds in aqueous matrices. An aliquot of sample is passed through granular activated carbon columns. The columns are combusted at 1000 °C and the gaseous hydrogen fluoride absorbed into reagent water. The fluoride is analyzed by Ion Chromatography (IC). The result is reported as the concentration of fluoride (F⁻) in the sample.

Capabilities

- Quantitative determination of Absorbable Organic Fluorine in aqueous matrices.

Assets

	Asset	Details
 	Metrohm 930 Compact IC Flex-920 Absorber module and furnace	AOF module, furnace, absorption module and IC equipment.

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