

Elemental and trace metal analysis

The elemental and trace metal analysis laboratory is equipped with sophisticated instrumentation such as quadrupole inductively coupled plasma - mass spectrometer (qICPMS), a simultaneous inductively coupled plasma atomic emission spectrometer (ICPAES) and an anion chromatographs (IC), and provides a range of analytical services.

Applications with other techniques have been used to provide research in areas such as Water resources management using surface and groundwater; past climate variability using natural archives in corals and speleothems; contaminants and remediation and elemental fingerprinting to identify the origin of a sample.



Capability Selections

- Analysis by ICPAES
- Analysis by qICPMS (simple matrices)
- Analysis by qICPMS with CRI (for difficult matrices)
- Analysis by SeaFast qICPMS (ultratrace rare earth element)
- Analysis by IC (anions)
- Physical measurements (pH, Conductivity, Alkalinity)
- Sample preparation (microwave digestion)

For further information please contact:

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