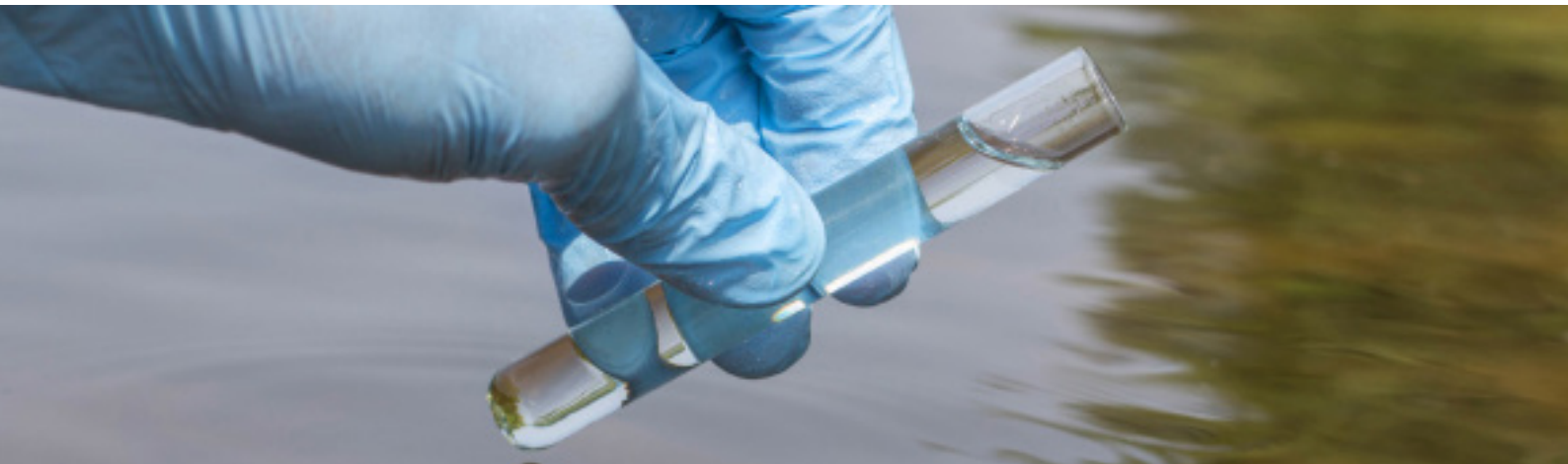


# High-quality isotope analyses



right solutions.  
right partner.



By combining commercial testing with a strong focus on research, ALS Scandinavia takes the latest in isotope testing to our commercial clients worldwide. The ALS Scandinavia laboratory located in Luleå, Sweden, is specialised in elemental and isotope testing. We have more than 15 years of experience in isotope ratio measurements. By using both High-Resolution ICP-MS (ICP-SFMS) and Multicollector ICP-MS (MC-ICP-MS) instrumentation, we can offer isotope analyses at low concentrations and with high precision.

## ALS Scandinavia capabilities

ALS offers high-quality isotope testing by combining commercial testing, scientific research and service from highly experienced staff. With a global leading instrumental park, 14 ICP-SFMS and 2 MC-ICP-MS instruments, we can process large amounts of samples with short turnaround times. We offer you:

- More than 20 non-traditional heavy stable isotopic systems analysed routinely.
- Measurements at low concentrations with small sample amounts.
- Short turnaround times, 6-10 working days and capability for express analysis.
- Customised sample preparation including matrix removal and analyte pre-concentration can be offered.
- The combination of commercial testing and our own research in the field gives you isotopic testing in the forefront.

## Why isotope ratio measurements?

The isotopic composition of a certain element can be used as a fingerprint providing information on the origin and processes that the element has undergone. This is possible because isotopic compositions are naturally varying and are affected by numerous variables such as the element source, weather conditions, biological and biochemical processes or the geological age of a material. Consequently, isotope ratio measurements may be a source of valuable extra information useful within environmental forensics, occupational exposure, geochronology and biogeochemistry.

