



Trace element and isotope analyses

The ALS Scandinavia laboratory in Luleå, Sweden is a research-oriented contract laboratory with many years of experience in applied focused research collaborating with universities not only in Sweden, but around the world. While our main area of expertise is within the field of trace-element and isotope analyses, ALS Scandinavia also offers elemental speciation of As, Hg, Se and Sn.

For more than 20 years, the main focus of our laboratory in Luleå has been trace elemental and isotope analyses. As one of the first commercial laboratories in the world, ALS Scandinavia (formerly Analytica AB) purchased its first ICP-SFMS instrument in 1996. Today, the instrumental park at ALS Scandinavia, Luleå, consists of 13 ICP-SFMS, 2 ICP-OES and 4 AFS instruments. In addition to these, ALS Scandinavia also operates 2 MC-ICP-MS. These instrument was purchased mainly for research purposes together with Luleå University of Technology.

In 2002, ALS Scandinavia moved in to a new facility which is custom built to keep outside contamination at an absolute minimum. This facility, together with cutting edge instrumentation, years of experience, and the possibility to dedicate individual instruments to specific applications, enables us to offer high quality measurements at very low detection limits.

Research at ALS Scandinavia

Our research-oriented approach and collaboration with Luleå University of Technology has resulted in an extensive list of publications. So far, more than 120 and conference papers have been published based on work at ALS Scandinavia whereof almost 100 are co-written by Ilia Rodushkin. Ilia was appointed Associate Professor at the department of Applied Geology at Luleå University of Technology in 2001 and has been the laboratory manager at ALS Scandinavia since 2002. In addition to this, ALS Scandinavia has participated in numerous international studies for isotope ratio measurements with excellent results. This has established Luleå as a center for high quality isotope ratio measurements.

What are the benefits of using ALS Scandinavia?

Compared to traditional university laboratories, we are able to offer shorter turnaround times. Results are normally delivered within 6–10 working days, but our capacity enables us to deliver express results within a few days and in some cases even within 24 hours. Operating several instruments also ensures backup capacity. Moreover, we have the possibility to handle almost any matrix and the flexibility to offer analytical solutions tailor-made for your specific project. We are happy to provide our clients with advice and input related to our field of work throughout the whole project at hand.

To find out more about ALS Scandinavia, please visit our website www.alsglobal.se, our website dedicated to isotope analyses www.isotope-analysis.com, or contact us.



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