

MAKING LIGHT WORK OF HEAVY SALT LOADS IN ICP-OES AND ICP-MS

Overcoming challenges with high TDS samples

High salt loading in ICP analysis can have a number of causes, being attributable to the sample itself or being introduced during sample dissolution and preparation for analysis. The analyst is typically well advised to be aware of the solution matrix presented for instrumental analysis, in particular for high TDS (total dissolved solids) situations. The challenge then is to implement an analysis setup which is suitable for the matrix and analytical technique. Kickstarting a mini-series under the topic of "Tips & Tricks", this webinar aims to give an overview of the scenarios encountered and suitable solutions. Discussing issues such as plasma loading, torch box and interface considerations, sample intro systems, suitable accessories, and instrumental requirements, a number of application examples are presented and discussed from the environmental and industrial fields. The aim is to equip analysts and lab managers with the know-how to make light work of heavy salt samples, achieving high data quality with high instrument uptime.

Key topics:

- Recognize the challenges and risks of running high TDS samples.
- Identify the optimal sample introduction system for your analysis.
- Understand how ICP technologies address issues associated with high TDS matrices.
- Review practical applications

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Live-Webinar



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Register today

