

Trace Element Determination in Natural Waters using Orthogonal Time of Flight ICP- MS

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Orthogonally accelerated Time-of-flight ICP-MS has a number of important analytical capabilities. First, a unique design feature of the Time of Flight ICP-MS is the application of an orthogonal flight path of ions ejected from the sampled ion beam to the detector. Secondly, Time-of-flight mass detection provides the user with simultaneous data collection.

We will describe the technical advantages of orthogonal acceleration time-of-flight for the analysis of trace elements. Then we will discuss how these advantages manifest themselves in actual analytical performance. The merits of orthogonal acceleration time of flight are discussed with applications to analysis of trace elements.
