

Removal of Interferences in Common Geological Applications using QQQ ICP-MS

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Interferences have always been a problem in a number of geological ICP-MS applications. QQQ ICP-MS provides users with the ability to remove these interferences while at the same time being able to analyze target elements at very low levels. Light rare earth oxide interferences on heavy rare earths and overlapping isotopes of Hg on those of Pb in the determination of Pb isotopic ratios are two common examples. Through controlled reaction chemistry and the use of various reactive gasses, QQQ ICP-MS provides analysts with the tools to overcome these problems.