

## **Dollars and Sense: Synthetic Standards for Inorganic Analyses**

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At the Trace Element Analysis Laboratories in the Department of Earth & Planetary Sciences at McGill University, we use X-ray Fluorescence, Atomic Absorption, ICP-MS, X-ray Diffractometry and Carbon-Sulfur analysis to analyze a diversity of rock and mineralized samples. To test our protocols and develop methods, synthetic standards are routinely created by the laboratory staff. The practical aspects of creating synthetic standards are the main focus of this talk with a particular emphasis on standards for Carbon-Sulfur analysis of rocks.