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Methods for Geochemical Analysis

April 11th, 2020 - Article ID: 6665284
Title: Methods for Geochemical Analysis
Author: Baedecker P A

Abstract:
Analytical methods used in the geologic division laboratories of the U.S. Geological Survey for the inorganic chemical analysis of rock and mineral samples are described. Atomic absorption, X-ray fluorescence, spectrometry, neutron activation analysis, and mass spectrometry are among the analytical techniques for elemental analysis of minerals.

May 25th, 2020 - Performing elemental analysis of minerals is one of the most important routine works in earth sciences. Among the numerous analytical techniques for elemental analysis, beam methods especially electron microprobe analysis are the most common and important methods. Further improvements of the technical equipment and adjacent software are notable developments.