

# Advancements in Analytical Geochemistry at Bureau Veritas Minerals

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## OUTLINE

*Several analytical firsts have been developed at Bureau Veritas Minerals. Among those is the implementation of laser ablation ICP-MS analysis paired with XRF for routine geochemical analysis. Benefits include the elimination acid-related digestion issues, no upper limits, and total whole rock characterization with detection limits lower than many acid digests. Secondly, Artificial Neural Network modelling of data collected from various spectral devices such as Fourier Transform Infrared Spectroscopy (FTIR), has enabled prediction of geochemistry, geomet, mineralogy, mine data and other physical properties at extremely low sample costs. Lastly, BV has developed an innovative software application, MineDSI, which allows visualization of, and interaction with, several types of down-hole data in one location.*