CONTENTS - Volume 14, No. 2

This is a special issue on portable XRF in the exploration and mining industry, edited by G. E. M. Hall and G. F. Bonham-Carter.

Evaluation of portable X-ray fluorescence (pXRF) in exploration and mining: Phase 1, control reference materials
G. E. M. Hall, G. F. Bonham-Carter & A. Buchar 99

Performance comparison of portable XRF instruments
N. W. Brand & C. J. Brand 125

Analysis of powdered reference materials and known samples with a benchtop, field portable X-ray fluorescence (pXRF) spectrometer: evaluation of performance and potential applications for exploration lithogeochemistry
S. J. Piercey & M. C. Devine 139

Resolution of geochemical and lithostratigraphic complexity: a workflow for application of portable X-ray fluorescence to mineral exploration
L. Fisher, M. F. Gazley, A. Baensch, S. J. Barnes, J. Cleverly & G. Duclaux 149

Portable X-ray fluorescence in the assessment of rare earth element enriched sedimentary phosphate deposits
G. J. Simandl, R. Fajber & S. Paradis 161

Improving lithological discrimination in exploration drill-cores using portable X-ray fluorescence measurements: (1) testing three Olympus Innov-X analysers on unprepared cores
P.-S. Ross, A. Bourke & B. Fresia 171

Improving lithological discrimination in exploration drill-cores using portable X-ray fluorescence measurements: (2) applications to the Zn-Cu Matagami mining camp, Canada
P.-S. Ross, A. Bourke & B. Fresia 187