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A Self-Consistent Compilation of Elemental Concentration Data for 93 Geochemical Reference Samples

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Abstract - Concentration data obtained by instrumental neutron activation analysis are presented for up to 36 chemical elements in 93 geochemical reference samples, including some for which there are little previous data. Because all data are based on at least three independent analyses, and for many of the data the uncertainty associated with counting is an insignificant source of error, the values presented here are of higher precision than generally reported by INAA. Information on subsampling error (sample heterogeneity) is also presented.