

APPENDIX B

Control Charts

In each chart, a dashed black line represents the expected value (the mean of multiple analyses, carried out at several labs and reported by Lynch (1996) and two continuous black lines represent the upper and lower 'limits of acceptability', established by adding and subtracting two standard deviations (also reported by Lynch, *op. cit.*). Charts for certain elements are omitted because the latter were undetectable in the establishment of recommended values. Control charts for INAA analyses are not included, as the standards TILL-1, TILL-2, OREAS-46 and OREAS-47, were only analyzed once. Analyses for these standards are shown in Table 4. Those elements whose analyses were below the detection limit are shown as <DL. Analyses outside the two-standard deviation limit are denoted with a plus sign for overestimations, and a minus sign for underestimations.

Suffixes

1. INAA
2. ICP-OES after multi-acid (HF/HCl/HNO₃/HClO₄) digestion

Units

- Al₂, Ca₂, Fe₂, K₂, Mg₂, Na₂ in weight percent (pct).
- As₂, Ba₂, Ce₂, Co₂, Cr₂, Cs₁, Cu₂, La₂, Li₂, Mn₂, Mo₂, Nb₂, Ni₂, P₂, Pb₂, Rb₂, S₂, Sc₂, Sr₂, Ti₂, V₂ and Zn₂ in parts per million (ppm).

















