

APPENDIX F:

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.*). Closed circles represent samples collected in 2012 and analyzed in 2013; open circles represent samples collected in 2013 and analyzed in 2014. Standard TILL-2 was not analyzed in 2013; charts for certain other elements are omitted because the latter were undetectable in the establishment of recommended values.

Suffixes

1: INAA

2: ICP-OES after multiacid (HF/HCl/HNO₃/HClO₄) digestion

Units

- Al₂, Ca₂, Fe₁, Fe₂, K₂, Mg₂, Na₁, Na₂ in weight percent
- As₁, As₂, Ba₁, Ba₂, Be₂, Br₁, Ce₁, Ce₂, Co₁, Co₂, Cr₁, Cr₂, Cs₁, Cu₂, Eu₁, Hf₁, La₁, La₂, Lu₁, Mn₂, Li₂, Mo₁, Mo₂, Nb₂, Ni₂, P₂, Pb₂, Rb₁, Rb₂, Sb₁, Sc₁, Sc₂, Sm₁, Sr₂, Ta₁, Tb₁, Th₁, Ti₂, U₁, V₂, Zn₂ and Zr₂ in parts per million (ppm).
- Au₁ in parts per billion (ppb).





































































































