

## 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.

#### Suffixes

1. INAA
2. ICP-OES after multi-acid (HF/HCl/HNO<sub>3</sub>/HClO<sub>4</sub>) digestion

#### Units

- Al<sub>2</sub>, Ca<sub>2</sub>, Fe<sub>1</sub>, Fe<sub>2</sub>, K<sub>2</sub>, Mg<sub>2</sub>, Na<sub>1</sub>, Na<sub>2</sub> in weight percent.
- As<sub>1</sub>, As<sub>2</sub>, Ba<sub>1</sub>, Ba<sub>2</sub>, Be<sub>2</sub>, Br<sub>1</sub>, Ce<sub>1</sub>, Ce<sub>2</sub>, Co<sub>1</sub>, Co<sub>2</sub>, Cr<sub>1</sub>, Cr<sub>2</sub>, Cs<sub>1</sub>, Cu<sub>2</sub>, Eu<sub>1</sub>, Hf<sub>1</sub>, La<sub>1</sub>, La<sub>2</sub>, Lu<sub>1</sub>, Mn<sub>2</sub>, Li<sub>2</sub>, Mo<sub>1</sub>, Mo<sub>2</sub>, Nb<sub>2</sub>, Ni<sub>2</sub>, P<sub>2</sub>, Pb<sub>2</sub>, Rb<sub>1</sub>, Rb<sub>2</sub>, S<sub>2</sub>, Sc<sub>1</sub>, Sc<sub>2</sub>, Sm<sub>1</sub>, Sr<sub>2</sub>, Ta<sub>1</sub>, Tb<sub>1</sub>, Th<sub>1</sub>, Ti<sub>2</sub>, U<sub>1</sub>, V<sub>2</sub>, Zn<sub>2</sub> and Zr<sub>2</sub> in parts per million (ppm).
- Au<sub>1</sub> in parts per billion (ppb).























































































































