**Appendix D – List of masses analysed by LA-ICP-MS at the Open University and their detection limits.**

|  |  |
| --- | --- |
| **Element** | **Detection limit (ppm)** |
| 7Li | 0.3 |
| 9Be, 45Sc, 71Ga, 111Cd, 157Gd | 0.2 |
| 23Na | 10 |
| 24Mg | 1 |
| 27Al | 3.5 |
| 31P | 6.5 |
| 39K | 4 |
| 43Ca | 230 |
| 49Ti | 0.8 |
| 51V, 85Rb, 74Ge, 88Sr, 89Y, 90Zr, 93Nb, 95Mo 118Sn, 121Sb, 133Cs, 137Ba, 139La, 140Ce, 141Pr, 146Nd, 147Sm, 153Eu, 159Tb, 163Dy, 165Ho, 166Er, 169Tm, 172Yb, 175Lu, 177Hf, 181Ta, 182W, 205Tl, 208Pb, 209Bi, 232Th, 238U | 0.1 |
| 53Cr | 2 |
| 55Mn | 0.5 |
| 56Fe | 4 |
| 59Co | 0.3 |
| 60Ni | 1.5 |
| 65Cu | 0.3 |
| 66Zn | 0.4 |
| 115In, 121Sb | 0.05 |