**Supplemental Table S1.** Fully quantitative concentrations of metals and P that showed linearity in the calibration curves computed by Plasmalab. These were subsequently used in the regression analysis to determine the concentration of the elements in the unknown sample solutions.

**Standard concentrations used for calibration (*µ*g/l)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Std.** |  |  |  |  |  |  |  |
| **label** | **Na** | **Mg** | **P** | **Cr** | **Mn** | **Fe** | **Co** |
| **1**  **2**  **3**  **4**  **5**  **6** | |  | | --- | |  | |  | |  | | 100.0 | | 1000.0 | | 5000.0 | | |  | | --- | |  | | 1.0 | | 10.0 | | 100.0 | | 1000.0 | |  | | |  | | --- | |  | |  | |  | | 100.0 | | 1000.0 | |  | | |  | | --- | |  | | 1.0 | | 10.0 | | 100.0 | | 1000.0 | |  | | |  | | --- | |  | | 1.0 | | 10.0 | | 100.0 | |  | |  | | |  | | --- | |  | |  | |  | | 100.0 | | 1000.0 | |  | | |  | | --- | | 0.1 | | 1.0 | | 10.0 | | 100.0 | | 1000.0 | |  | |
|  | **Ni** | **Cu** | **Zn** | **Cd** | **Hg** | **Pb** |  |
| **1**  **2**  **3**  **4**  **5**  **6** | |  | | --- | | 0.1 | | 1.0 | | 10.0 | | 100.0 | | 1000.0 | |  | | |  | | --- | | 0.1 | | 1.0 | | 10.0 | | 100.0 | | 1000.0 | |  | | |  | | --- | | 0.1 | | 1.0 | | 10.0 | | 100.0 | | 1000.0 | |  | | |  | | --- | | 0.1 | | 1.0 | | 10.0 | | 100.0 | | 1000.0 | |  | | |  | | --- | | 0.1 | | 1.0 | | 10.0 | | 100.0 | |  | |  | | |  | | --- | | 0.1 | | 1.0 | | 10.0 | | 100.0 | |  | |  | |  |