**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 |
|  |

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|  |
| --- |
|  |
| 1.0 |
| 10.0 |
| 100.0 |
|  |
|  |

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|  |
| --- |
|  |
|  |
|  |
| 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 |
|  |

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|  |
| --- |
| 0.1 |
| 1.0 |
| 10.0 |
| 100.0 |
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|  |
| --- |
| 0.1 |
| 1.0 |
| 10.0 |
| 100.0 |
|  |
|  |

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