**Table 1:** Elemental concentration, particle size and Pb speciation in PP-D

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Elemental concentration (mean ± SEM, n = 3) | | | | | | | | | | | | |
| Trace elements (mg/kg) | | | | | | | | | Major elements (g/kg) | | | |
| Arsenic (As) | Cadmium (Cd) | | Copper (Cu) | | Lead (Pb) | | | Zinc (Zn) | Aluminium (Al) | | Iron (Fe) | Phosphorus (P) |
| 586 ± 16 | 231 ± 4.9 | | 2740 ± 31 | | 32045 ± 392 | | | 29305 ± 630 | 14.0 ± 2.1 | | 35.5 ± 1.4 | 1.86 ± 0.05 |
| Pb speciation (weighted %) | | | | | | | | | | | | |
| Organic matter bound Pb | | Hydrocerussite Pb3(CO3)2(OH)2 | | Galena PbS | | | Chloropyromorphite Pb5(PO4)3Cl | | | Mineral sorbed Pb (Pb oxides and adsorbed onto clays) | | |
| 44 | | 21 | | 11 | | | 10 | | | 13 | | |
| Particle size distribution (µm) (n = 3) | | | | | | | | | | | | |
| Mean ± SEM | | | Mode | | | Median | | | 95% of the particles are | | | |
| 2.26 ± 0.06 | | | 0.57 | | | 0.93 | | | < 9.71 µm | | | |