Table 2: Change in Pb speciation In BHK soil as a result of phosphoric acid treatment at a Pb:P molar ratio of 1:5.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Pb speciation (weighted %) | | | | | R-factor |
| Pb bound to clay or mineral oxides | Organic bound Pb | Anglesite | Plumbojarosite | Pb phosphate\* |
| BHK5 | Pre-treatment | 58 | 13 | - | 24 | 5 | 0.0066 |
| Post-treatment | 17 | 58 | - | - | 25 | 0.0237 |
| BHK6 | Pre-treatment | 49 | 16 | - | 23 | 12 | 0.0600 |
| Post-treatment | 31 | 69 | - | - | - | 0.1388 |
| BHK10 | Pre-treatment | 57 | 11 | - | 26 | 6 | 0.0111 |
| Post-treatment | 42 | 0 | 22 | - | 36 | 0.0451 |
| BHK11 | Pre-treatment | 45 | 21 | - | 23 | 12 | 0.0222 |
| Post-treatment | - | 34 | 21 | - | 45 | 0.0230 |

**\***Sum of pyromorphite and Pb3(PO4)2.