**Table 4**

Linear Combination Fitting (LCF)−XANES analysis of Sb speciation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sb speciation distribution (%) | | | | |
|  | KSb(OH)6 | Sb(V)-Citrate | Sb(V)-Goethite | 2 |
| S1-100 1 d | 88 | 12 | 0 | 0.0059 |
| S1-100 31 d | 63 | 19 | 18 | 0.0242 |
| S1-100 700 d | 57 | 18 | 24 | 0.0063 |
|  |  |  |  |  |
| S2-100 1 d | 55 | 32 | 13 | 0.0088 |
| S2-100 31 d | 43 | 36 | 21 | 0.0150 |
| S2-100 700 d | 36 | 37 | 27 | 0.0091 |
|  |  |  |  |  |
| S1-1000 1 d | 88 | 12 | 0 | 0.0022 |
| S1-1000 31 d | 85 | 12 | 3 | 0.0021 |
| S1-1000 700 d | 81 | 14 | 5 | 0.0034 |
|  |  |  |  |  |
| S2-1000 1 d | 62 | 25 | 13 | 0.0037 |
| S2-1000 31 d | 59 | 23 | 18 | 0.0014 |
| S2-1000 700 d | 58 | 21 | 21 | 0.0543 |