**Table 2**.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | **Weighted Percentage** |  |
| **Sample** | **Classification** | **As****(mg kg-1)** | **Fe****(g kg-1)** | **As IVBA (%)** | **Adsorbed AsV** | **Arseniosiderite** | **Yukonite** | **Realgar** | **Loellingite** | **R-factor** |
| GA1 | Tailings | 170 ± 4 | 13.6 ± 0.1 | 19.0 ± 1.1 | 10 | 66 | 13 |  | 11 | 0.035 |
| BH12 | Tailings | 2265 ± 108 | 27.2 ± 1.5 | 64.7 ± 2.9 |  | 57 | 20 | 13 | 11 | 0.089 |
| #4568 | Calcinated | 17392 ± 694 | 66.4 ± 1.9 | 53.9 ± 2.2 | 74 |  | 21 | <10 |  | 0.039 |
| SubPure | Calcinated | 9017 ± 955 | 100.5 ± 10.1 | 42.4 ± 4.1 | 39 | 24 | 37 |  |  | 0.041 |
| BH1-100 | Grey slime | 1774 ± 128 | 27.9 ± 2.0 | 70.8 ± 4.4 | 14 | 69 | <10 |  | <10 | 0.042 |
| BH1-500 | Grey slime | 1167 ± 26 | 27.0 ± 0.7 | 72.8 ± 1.7 | 24 | 46 | 31 |  |  | 0.036 |