**Table S3.** Semi-quantitative mineralogical composition of the wet HIMS treated samples and the composition of the initial A-mixed composite sample for comparison. Applied voltage values of 30 V and 150 V correspond to 0.48 T and 150 T magnetic field strength, respectively.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Magnetic Fraction** | | **Non-Magnetic Fraction** | |
| **Mineral (%)** | **A Mixed** | **30 V** | **150 V** | **30 V** | **150 V** |
| Albite | 39 | 17 | 17 | 43 | 47 |
| Quartz | 31 | 19 | 16 | 35 | 33 |
| Orthoclase | 11 | 6 | 4 | 14 | 12 |
| Titanite | 8 | 10 | 10 | 6 | 6 |
| Mg-Hornblende | 6 | 22 | 25 | 0 | 0 |
| Allanite | 3 | 8 | 8 | 2 | 1 |
| Hematite | 2 | 9 | 9 | 1 | 1 |
| Magnetite | 1 | 8 | 9 | 0 | 0 |
| Biotite | 0 | 2 | 3 | 0 | 0 |
| Total | 100 | 100 | 100 | 100 | 100 |