Supplementary Table 3

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Samples** | **Quartz** | **Feldspars** | **Muscovite/ illite** | **Clinochlore** | **Kaolinite** | **Dolomite** | **Amorphous** |
| **JVI.H.1.1** | 44.5 | 7.9 | 8.3 | 0.0 | 5.0 | 33.5 | 0.8 |
| **JVI.H.1.2** | 56.2 | 5.6 | 10.5 | 0.0 | 5.6 | 21.0 | 1.1 |
| **JVI.F5E5.1** | 52.5 | 6.2 | 9.4 | 2.0 | 8.8 | 20.6 | 0.5 |
| **JVI.H.2.1** | 82.9 | 7.6 | 1.6 | 0.0 | 7.4 | 0.0 | 0.5 |
| **JVI.F4.2.2** | 78.8 | 10.0 | 9.0 | 0.0 | 1.7 | 0.0 | 0.5 |
| **JVI.CL.2.2** | 78.9 | 5.4 | 8.3 | 0.0 | 6.5 | 0.0 | 0.9 |
| **JVI.G4.2.3 red silts** | 78.2 | 7.9 | 0.9 | 5.5 | 6.9 | 0.0 | 0.6 |
| **JVI.2.3-6** | 79.9 | 10.3 | 2.1 | 0.0 | 7.2 | 0.0 | 0.5 |
| **JVI.2.3-5** | 68.8 | 10.3 | 5.4 | 5.0 | 8.8 | 0.0 | 0.7 |
| **JVI.2.3-4** | 71.2 | 7.5 | 4.5 | 6.7 | 9.5 | 0.0 | 0.6 |
| **JVI.2.3-3** | 78.7 | 7.9 | 6.3 | 0.0 | 6.3 | 0.0 | 0.8 |
| **JVI.2.3-2** | 80.1 | 6.2 | 3.9 | 0.0 | 9.0 | 0.0 | 0.7 |
| **JVI.2.3-1** | 69.1 | 14.3 | 9.4 | 0.0 | 6.6 | 0.0 | 0.6 |
| **JVI.3** | 58.2 | 12.3 | 1.2 | 0.0 | 5.9 | 21.8 | 0.6 |