

| Sample | Analysis id | SiO2 | Al2O3 | TiO2 | FeO | MgO | MnO | CaO | Na2O | K2O | P2O5 | Cr2O3 | SO2 | Cl | Total |
|--------|-------------|-------|-------|-------|------|-------|------|-------|------|------|------|-------|-----|----|-------|
| 04 | 1.1 | 0.04 | 0.01 | 0.00 | 0.13 | 20.19 | 0.25 | 32.55 | 0.00 | 0.00 | | 0.01 | | | 53.18 |
| 04 | 1.2 | 0.00 | 0.02 | 0.01 | 0.05 | 17.75 | 8.23 | 31.41 | 0.02 | 0.01 | | 0.00 | | | 57.50 |
| 04 | 1.3 | 0.36 | 0.15 | 0.02 | 0.29 | 19.95 | 0.64 | 31.18 | 0.00 | 0.01 | | 0.03 | | | 52.63 |
| 04 | 1.4 | 0.04 | 0.00 | 0.01 | 0.16 | 18.87 | 1.42 | 31.09 | 0.01 | 0.00 | | 0.00 | | | 51.60 |
| 04 | 1.5 | 1.26 | 0.77 | 0.03 | 1.16 | 16.24 | 1.48 | 27.63 | 0.01 | 0.00 | | 0.00 | | | 48.58 |
| 04 | 1.6 | 1.04 | 0.57 | 0.01 | 0.66 | 18.85 | 1.47 | 30.21 | 0.01 | 0.00 | | 0.01 | | | 52.83 |
| 04 | 2.1 | 6.82 | 4.60 | 0.05 | 0.89 | 16.57 | 1.38 | 22.98 | 0.19 | 0.05 | | 0.01 | | | 53.54 |
| 04 | 1.7 | 4.37 | 2.20 | 0.02 | 2.50 | 5.95 | 4.82 | 44.29 | 0.01 | 0.00 | | 0.00 | | | 64.16 |
| 04 | 1.7 | 0.04 | 0.02 | 0.01 | 1.49 | 4.05 | 4.51 | 51.12 | 0.00 | 0.00 | | 0.01 | | | 61.25 |
| 04 | 3.1 | 0.24 | 0.17 | 0.01 | 0.22 | 17.13 | 8.16 | 27.83 | 0.00 | 0.00 | | 0.00 | | | 53.76 |
| 04 | 3.1 | 0.17 | 0.08 | 0.00 | 0.26 | 0.39 | 6.04 | 54.74 | 0.00 | 0.01 | | 0.04 | | | 61.73 |
| 04 | 3.3 | 0.41 | 0.17 | 0.00 | 0.32 | 0.16 | 5.02 | 55.06 | 0.00 | 0.04 | | 0.00 | | | 61.18 |
| 28 | 1.2.1 | 0.53 | 0.23 | 0.00 | 1.65 | 16.03 | 0.08 | 31.52 | 0.01 | 0.02 | 0.48 | | | | 50.56 |
| 28 | 1.2.2 | 0.49 | 0.19 | 0.00 | 3.24 | 15.83 | 0.30 | 30.33 | 0.03 | 0.04 | 0.37 | | | | 50.82 |
| 28 | 1.2.3 | 0.45 | 0.21 | 0.02 | 3.11 | 15.64 | 0.14 | 31.75 | 0.00 | 0.01 | 0.41 | | | | 51.74 |
| 28 | 1.2.4 | 0.45 | 0.28 | 0.07 | 3.91 | 14.64 | 0.30 | 31.45 | 0.01 | 0.04 | 0.41 | | | | 51.56 |
| 28 | 1.2.5 | 0.36 | 0.15 | 0.03 | 3.11 | 15.25 | 0.25 | 31.27 | 0.01 | 0.04 | 0.41 | | | | 50.90 |
| 28 | 1.2.6 | 0.24 | 0.13 | 0.02 | 5.53 | 15.93 | 0.50 | 29.49 | 0.00 | 0.02 | 0.39 | | | | 52.26 |
| 28 | 2.3.1 | 0.47 | 0.28 | 0.08 | 6.59 | 16.93 | 0.81 | 29.98 | 0.04 | 0.01 | 0.46 | | | | 55.66 |
| 28 | 2.3.2 | 0.06 | 0.08 | 0.02 | 2.23 | 18.65 | 0.36 | 30.36 | 0.01 | 0.00 | 0.44 | | | | 52.21 |
| 28 | 2.3.3 | 0.47 | 0.30 | 0.13 | 7.63 | 16.60 | 0.52 | 29.40 | 0.04 | 0.01 | 0.44 | | | | 55.53 |
| 28 | 2.3.4 | 1.45 | 0.25 | 0.07 | 2.77 | 18.34 | 0.22 | 30.08 | 0.03 | 0.00 | 0.41 | | | | 53.61 |
| 28 | 2.3.5 | 3.53 | 1.42 | 20.25 | 1.49 | 14.23 | 0.14 | 22.26 | 0.04 | 0.48 | 0.30 | | | | 64.14 |
| 28 | 3.1.1 | 6.05 | 3.74 | 0.08 | 7.80 | 16.10 | 0.46 | 25.42 | 0.03 | 0.63 | 1.54 | | | | 61.85 |
| 28 | 3.1.2 | 1.56 | 1.02 | 0.15 | 6.33 | 17.05 | 0.54 | 28.64 | 0.00 | 0.10 | 0.44 | | | | 55.82 |
| 28 | 3.1.3 | 1.86 | 1.06 | 0.18 | 9.79 | 16.45 | 0.65 | 28.15 | 0.07 | 0.11 | 0.41 | | | | 58.73 |
| 28 | 3.1.4 | 0.58 | 0.30 | 0.17 | 7.86 | 16.63 | 0.62 | 28.59 | 0.01 | 0.00 | 0.41 | | | | 55.17 |
| 28 | 3.1.5 | 0.66 | 0.40 | 0.22 | 9.73 | 16.50 | 0.99 | 28.46 | 0.00 | 0.00 | 0.48 | | | | 57.44 |
| 28 | 3.2.1 | 0.26 | 0.19 | 0.03 | 5.72 | 16.95 | 1.16 | 29.87 | 0.01 | 0.05 | 0.39 | | | | 54.64 |
| 28 | 3.2.2 | 0.32 | 0.19 | 0.02 | 2.93 | 17.09 | 0.67 | 32.01 | 0.01 | 0.02 | 0.37 | | | | 53.64 |
| 28 | 3.2.3 | 0.21 | 0.19 | 0.00 | 3.27 | 17.16 | 0.93 | 31.96 | 0.00 | 0.02 | 0.53 | | | | 54.27 |
| 28 | 3.2.4 | 0.09 | 0.13 | 0.07 | 2.11 | 17.87 | 1.06 | 31.80 | 0.01 | 0.04 | 0.53 | | | | 53.71 |
| 28 | 3.2.5 | 0.73 | 0.21 | 0.12 | 6.60 | 16.60 | 0.67 | 29.73 | 0.00 | 0.04 | 0.41 | | | | 55.10 |
| 30 | 2.1.1 | 6.35 | 2.21 | 0.02 | 0.57 | 0.15 | 0.23 | 49.73 | 0.00 | 1.42 | 0.76 | | | | 61.43 |
| 30 | 2.1.2 | 14.53 | 4.48 | 0.03 | 0.32 | 0.08 | 0.18 | 41.64 | 0.04 | 3.49 | 0.57 | | | | 65.37 |
| 30 | 2.1.3 | 11.68 | 3.87 | 0.00 | 0.58 | 0.23 | 0.27 | 43.58 | 0.03 | 2.61 | 0.57 | | | | 63.43 |
| 30 | 2.1.4 | 13.99 | 4.70 | 0.00 | 0.53 | 0.20 | 0.10 | 41.78 | 0.04 | 3.25 | 0.57 | | | | 65.17 |
| 30 | 2.1.5 | 5.18 | 2.15 | 0.02 | 0.48 | 0.10 | 0.28 | 49.83 | 0.04 | 1.22 | 0.69 | | | | 59.98 |
| 30 | 1.1.1 | 5.65 | 2.23 | 0.00 | 0.48 | 0.28 | 0.21 | 49.74 | 0.09 | 1.10 | 0.78 | | | | 60.55 |

| Sample | Analysis id | SiO2 | Al2O3 | TiO2 | FeO | MgO | MnO | CaO | Na2O | K2O | P2O5 | Cr2O3 | SO2 | Cl | Total |
|--------|-------------|-------|-------|-------|-------|-------|------|-------|------|------|------|-------|------|------|-------|
| 30 | 1.1.2 | 2.20 | 1.02 | 0.00 | 0.36 | 0.02 | 0.37 | 56.42 | 0.00 | 0.49 | 0.64 | | | | 61.53 |
| 30 | 1.1.3 | 14.23 | 4.48 | 0.02 | 0.40 | 0.22 | 0.19 | 42.61 | 0.04 | 3.32 | 0.55 | | | | 66.05 |
| 31 | 1.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 46.13 | 0.04 | 0.00 | | 0.00 | | | 46.27 |
| 31 | 2.1 | 0.00 | 0.01 | 0.01 | 0.03 | 0.00 | 0.12 | 63.09 | 0.01 | 0.01 | | 0.02 | | | 63.30 |
| 31 | 4.1 | 1.20 | 0.59 | 0.04 | 0.35 | 18.03 | 1.31 | 31.70 | 0.13 | 0.12 | | 0.26 | | | 53.73 |
| 31 | 4.2 | 1.82 | 0.99 | 0.06 | 0.33 | 18.21 | 1.25 | 32.18 | 0.05 | 0.20 | | 0.24 | | | 55.33 |
| 31 | 4.4 | 1.05 | 0.48 | 0.02 | 0.34 | 18.30 | 0.87 | 29.92 | 0.01 | 0.13 | | 0.00 | | | 51.12 |
| 32 | 1.1 | 0.00 | 0.00 | 0.02 | 0.14 | 0.00 | 0.03 | 57.49 | 0.00 | 0.01 | 0.71 | | | | 58.40 |
| 32 | 1.2.1 | 0.13 | 0.02 | 0.05 | 0.19 | 0.00 | 0.03 | 57.87 | 0.04 | 0.01 | 0.78 | | | | 59.12 |
| 32 | 1.2.2 | 0.15 | 0.06 | 0.03 | 0.12 | 0.88 | 0.30 | 56.46 | 0.01 | 0.04 | 0.78 | | | | 58.82 |
| 32 | 2.1 | 0.71 | 0.40 | 0.05 | 0.24 | 18.85 | 1.08 | 32.00 | 0.01 | 0.04 | 0.53 | | | | 53.91 |
| 32 | 2.2 | 0.60 | 0.23 | 0.07 | 0.68 | 18.79 | 0.96 | 30.43 | 0.03 | 0.14 | 0.37 | | | | 52.29 |
| 32 | 2.3 | 2.59 | 1.21 | 0.17 | 0.51 | 18.26 | 1.11 | 29.01 | 0.07 | 0.39 | 0.46 | | | | 53.76 |
| 87 | #4 | 0.21 | 0.14 | 0.67 | 25.89 | 15.46 | 1.17 | 20.68 | 0.12 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 64.71 |
| 87 | #5 | 0.05 | 0.03 | 0.21 | 4.11 | 20.37 | 0.74 | 28.54 | 0.00 | 0.02 | 0.45 | 0.00 | 0.02 | 0.01 | 54.56 |
| 87 | #7 | 0.20 | 0.10 | 0.81 | 32.47 | 13.81 | 0.94 | 18.45 | 0.00 | 0.00 | 0.31 | 0.04 | 0.01 | 0.00 | 67.14 |
| 87 | #8 | 0.13 | 0.04 | 0.01 | 2.85 | 18.55 | 1.21 | 30.90 | 0.02 | 0.02 | 0.47 | 0.00 | 0.00 | 0.00 | 54.21 |
| 87 | #9 | 0.00 | 0.01 | 0.01 | 0.33 | 19.96 | 0.77 | 30.77 | 0.04 | 0.00 | 0.50 | 0.00 | 0.01 | 0.00 | 52.41 |
| 87 | #12 | 0.28 | 0.10 | 0.00 | 1.66 | 19.36 | 1.35 | 29.89 | 0.03 | 0.04 | 0.50 | 0.00 | 0.00 | 0.00 | 53.21 |
| 87 | #14 | 0.00 | 0.09 | 0.11 | 8.43 | 15.68 | 1.33 | 28.68 | 0.00 | 0.01 | 0.50 | 0.00 | 0.00 | 0.00 | 54.83 |
| 87 | #29 | 6.57 | 3.84 | 24.43 | 50.52 | 4.29 | 0.20 | 0.19 | 0.00 | 0.07 | 0.04 | 0.09 | 0.02 | 0.02 | 90.29 |
| 87 | #30 | 0.10 | 0.04 | 0.00 | 0.04 | 20.74 | 0.94 | 30.84 | 0.05 | 0.03 | 0.55 | 0.00 | 0.01 | 0.01 | 53.35 |
| 87 | #31 | 0.03 | 0.01 | 0.02 | 0.13 | 20.69 | 0.69 | 31.27 | 0.05 | 0.00 | 0.55 | 0.00 | 0.02 | 0.01 | 53.47 |
| 87 | #32 | 0.13 | 0.04 | 0.00 | 0.43 | 20.44 | 0.77 | 31.56 | 0.04 | 0.02 | 0.52 | 0.00 | 0.01 | 0.00 | 53.96 |
| 87 | #1 | 0.62 | 0.23 | 0.67 | 26.36 | 0.00 | 1.26 | 35.58 | 0.01 | 0.06 | 7.33 | 0.00 | 0.05 | 0.02 | 72.19 |
| 87 | #2 | 0.05 | 0.35 | 0.52 | 21.50 | 0.00 | 1.48 | 37.91 | 0.04 | 0.11 | 2.57 | 0.00 | 0.01 | 0.01 | 64.53 |
| 87 | #3 | 0.52 | 0.22 | 2.44 | 21.83 | 0.00 | 1.11 | 36.82 | 0.00 | 0.07 | 6.14 | 0.00 | 0.03 | 0.01 | 69.18 |
| 87 | #10 | 0.07 | 0.06 | 0.00 | 0.87 | 19.70 | 0.76 | 30.78 | 0.10 | 0.02 | 0.54 | 0.00 | 0.01 | 0.01 | 52.91 |
| 87 | #11 | 1.46 | 0.75 | 0.05 | 5.06 | 13.10 | 1.48 | 32.70 | 0.00 | 0.21 | 0.62 | 0.00 | 0.02 | 0.01 | 55.47 |
| 98 | #1 | 0.46 | 0.03 | 0.02 | 0.47 | 19.24 | 1.00 | 30.23 | 0.00 | 0.00 | 0.51 | 0.02 | | | 51.97 |
| 98 | #2 | 0.05 | 0.00 | 0.00 | 0.00 | 20.85 | 0.72 | 31.10 | 0.00 | 0.01 | 0.59 | 0.00 | | | 53.32 |
| 98 | #3 | 0.02 | 0.01 | 0.00 | 0.08 | 20.88 | 0.74 | 31.01 | 0.01 | 0.01 | 0.51 | 0.09 | | | 53.36 |
| 98 | #4 | 0.02 | 0.00 | 0.01 | 0.00 | 19.85 | 0.58 | 32.33 | 0.04 | 0.00 | 0.58 | 0.00 | | | 53.41 |
| 98 | #5 | 0.02 | 0.00 | 0.00 | 0.00 | 20.41 | 1.29 | 31.23 | 0.00 | 0.00 | 0.55 | 0.15 | | | 53.66 |
| 98 | #6 | 0.00 | 0.00 | 0.01 | 0.02 | 18.91 | 0.62 | 33.14 | 0.04 | 0.02 | 0.57 | 0.00 | | | 53.33 |
| 98 | #1 | 0.00 | 0.01 | 0.00 | 0.10 | 20.94 | 0.74 | 31.51 | 0.06 | 0.01 | 0.54 | 0.00 | | | 53.91 |
| 03 | 1.1.1 | 0.30 | 0.14 | 0.02 | 1.81 | 7.89 | 0.55 | 43.08 | 0.00 | 0.03 | 0.75 | 0.02 | | | 54.60 |
| 03 | 1.1.2 | 4.94 | 3.03 | 0.03 | 4.55 | 7.65 | 0.50 | 38.04 | 0.06 | 0.03 | 0.09 | 0.00 | | | 58.91 |
| 03 | 1.1.3 | 0.02 | 0.01 | 0.00 | 0.13 | 0.00 | 0.21 | 54.43 | 0.01 | 0.00 | 0.57 | 0.00 | | | 55.38 |
| 03 | 1.1.4 | 0.01 | 0.00 | 0.02 | 0.37 | 0.72 | 0.11 | 53.15 | 0.04 | 0.00 | 1.01 | 0.05 | | | 55.46 |

| Sample | Analysis id | SiO2 | Al2O3 | TiO2 | FeO | MgO | MnO | CaO | Na2O | K2O | P2O5 | Cr2O3 | SO2 | Cl | Total |
|--------|-------------|------|-------|------|------|-------|------|-------|------|------|------|-------|-----|----|-------|
| 03 | 4.1.1 | 3.98 | 0.57 | 0.03 | 1.38 | 13.71 | 0.45 | 34.60 | 0.01 | 0.01 | 0.08 | 0.04 | | | 54.85 |
| 03 | 4.2.1 | 2.25 | 1.17 | 0.00 | 1.74 | 15.97 | 0.32 | 33.08 | 0.01 | 0.01 | 0.13 | 0.02 | | | 54.69 |
| 03 | 4.3.1 | 0.37 | 0.07 | 0.01 | 0.19 | 17.93 | 0.52 | 32.95 | 0.03 | 0.00 | 0.09 | 0.00 | | | 52.18 |
| 93 | #18 | 0.31 | 0.06 | 0.12 | 9.27 | 18.06 | 0.85 | 28.90 | 0.01 | 0.01 | 0.49 | 0.06 | | | 58.14 |
| 93 | #19 | 0.11 | 0.03 | 0.01 | 2.04 | 18.82 | 2.01 | 30.87 | 0.00 | 0.01 | 0.50 | 0.00 | | | 54.41 |