

|        | SiO2  | TiO2 | Al2O3 | Fe2O3 | MnO  | MgO   | CaO   | Na2O | K2O  | P2O5 | Loss<br>inc S- | Total  | Y  | U    | Rb | Th   | Pb | As  | Bi | Zn  | Cu |
|--------|-------|------|-------|-------|------|-------|-------|------|------|------|----------------|--------|----|------|----|------|----|-----|----|-----|----|
| MLC 1  | 45.01 | 2.26 | 15.49 | 12.85 | 0.19 | 8.22  | 9.92  | 2.79 | 0.97 | 0.56 | 1.73           | 100.00 | 26 | <1.5 | 14 | <1.5 | 2  | <3  | 3  | 83  | 67 |
| MLC 2  | 43.55 | 2.63 | 14.54 | 12.46 | 0.21 | 8.38  | 8.85  | 4.99 | 1.94 | 0.88 | 1.57           | 100.00 | 31 | <1.5 | 37 | 9    | 4  | <3  | <2 | 109 | 52 |
| MLC 3  | 44.66 | 1.97 | 13.59 | 11.14 | 0.18 | 11.11 | 10.02 | 3.15 | 0.95 | 0.64 | 2.60           | 100.00 | 22 | <1.5 | 22 | 6    | 3  | <3  | <2 | 88  | 77 |
| MLC 4  | 43.89 | 2.71 | 14.84 | 12.73 | 0.19 | 7.63  | 8.69  | 4.13 | 0.90 | 1.02 | 3.29           | 100.00 | 30 | <1.5 | 29 | 6    | 3  | <3  | <2 | 86  | 50 |
| MLC 5  | 45.41 | 2.02 | 15.22 | 11.15 | 0.18 | 8.59  | 10.15 | 3.63 | 0.76 | 0.68 | 2.20           | 100.00 | 24 | <1.5 | 19 | 7    | 4  | <3  | <2 | 84  | 64 |
| MH 1   | 43.34 | 2.51 | 11.41 | 13.54 | 0.18 | 12.43 | 9.90  | 4.06 | 1.54 | 0.86 | 0.22           | 100.00 | 23 | <1.5 | 19 | 5    | 3  | <3  | 3  | 129 | 59 |
| BSW 2  | 46.55 | 2.16 | 15.25 | 12.08 | 0.18 | 8.10  | 8.63  | 4.01 | 0.74 | 0.74 | 1.56           | 100.00 | 26 | <1.5 | 19 | 5    | 3  | <3  | <2 | 93  | 59 |
| TG 1   | 47.37 | 2.62 | 15.20 | 13.68 | 0.16 | 6.35  | 8.07  | 3.68 | 1.13 | 0.69 | 1.04           | 100.00 | 23 | 1.5  | 22 | 4    | 2  | <3  | <2 | 127 | 55 |
| THB 2a | 43.22 | 2.63 | 14.65 | 13.03 | 0.19 | 8.69  | 9.31  | 2.87 | 1.42 | 0.95 | 3.02           | 100.00 | 28 | <1.5 | 33 | 4    | 2  | <3  | <2 | 82  | 59 |
| THB 3  | 43.21 | 2.72 | 15.17 | 13.17 | 0.19 | 8.62  | 9.56  | 2.90 | 0.90 | 0.79 | 2.76           | 100.00 | 28 | <1.5 | 17 | 4    | 3  | <3  | <2 | 78  | 60 |
| FL 4   | 45.21 | 1.95 | 14.68 | 12.16 | 0.18 | 10.59 | 9.83  | 2.71 | 1.15 | 0.53 | 1.01           | 100.00 | 24 | <1.5 | 27 | 5    | 2  | <3  | <2 | 83  | 70 |
| GH 1   | 45.35 | 2.43 | 15.62 | 12.14 | 0.20 | 7.13  | 9.05  | 3.74 | 1.88 | 0.86 | 1.62           | 100.00 | 29 | 2.8  | 40 | 7    | 4  | 4.3 | <2 | 87  | 53 |
| FQ 1   | 44.80 | 2.05 | 14.93 | 11.39 | 0.18 | 8.85  | 10.19 | 3.55 | 0.88 | 0.69 | 2.48           | 100.00 | 25 | <1.5 | 18 | 7    | 2  | <3  | <2 | 78  | 69 |
| 937    | 44.44 | 1.98 | 13.80 | 12.14 | 0.18 | 12.18 | 9.60  | 2.80 | 1.25 | 0.60 | 1.04           | 100.00 | 24 | <1.5 | 30 | 4    | 3  | <3  | <2 | 85  | 76 |
| 938    | 44.72 | 2.00 | 14.03 | 12.06 | 0.18 | 11.66 | 9.66  | 2.93 | 1.29 | 0.60 | 0.87           | 100.00 | 23 | 2    | 30 | 5    | 2  | <3  | <2 | 85  | 78 |
| 941    | 48.29 | 1.65 | 16.01 | 10.39 | 0.20 | 6.00  | 6.84  | 4.22 | 2.52 | 0.75 | 3.12           | 100.00 | 23 | 3    | 63 | 6    | 4  | <3  | <2 | 105 | 49 |
| 945    | 43.39 | 2.62 | 14.72 | 13.05 | 0.19 | 8.82  | 9.38  | 2.89 | 1.45 | 0.96 | 2.54           | 100.00 | 29 | <1.5 | 32 | 4    | 2  | <3  | <2 | 84  | 61 |
| 946    | 48.43 | 1.64 | 16.09 | 10.30 | 0.20 | 5.91  | 6.87  | 4.24 | 2.52 | 0.75 | 3.06           | 100.00 | 23 | 2    | 64 | 9    | 5  | <3  | <2 | 104 | 49 |

| Ni  | Nb  | Zr  | Sr   | Cr* | Ba  | Sc | V   | La | Ce  | Nd |
|-----|-----|-----|------|-----|-----|----|-----|----|-----|----|
| 118 | 38  | 180 | 648  | 277 | 270 | 25 | 199 | 27 | 56  | 33 |
| 143 | 91  | 340 | 1317 | 186 | 624 | 17 | 173 | 99 | 163 | 62 |
| 300 | 60  | 254 | 737  | 647 | 365 | 24 | 201 | 49 | 85  | 38 |
| 131 | 83  | 311 | 1123 | 223 | 574 | 19 | 162 | 59 | 109 | 51 |
| 169 | 64  | 256 | 724  | 347 | 396 | 27 | 214 | 47 | 83  | 37 |
| 314 | 69  | 232 | 843  | 380 | 285 | 19 | 181 | 49 | 86  | 41 |
| 155 | 61  | 260 | 754  | 296 | 368 | 24 | 178 | 49 | 93  | 40 |
| 92  | 38  | 233 | 628  | 109 | 256 | 18 | 141 | 31 | 71  | 40 |
| 145 | 69  | 236 | 1183 | 247 | 539 | 22 | 182 | 52 | 100 | 47 |
| 111 | 61  | 220 | 987  | 183 | 411 | 24 | 192 | 45 | 83  | 39 |
| 262 | 49  | 208 | 603  | 381 | 289 | 25 | 201 | 33 | 63  | 31 |
| 115 | 78  | 294 | 916  | 243 | 470 | 22 | 186 | 59 | 107 | 47 |
| 168 | 64  | 252 | 718  | 299 | 401 | 26 | 199 | 44 | 83  | 37 |
| 350 | 55  | 213 | 675  | 465 | 337 | 27 | 198 | 41 | 71  | 31 |
| 335 | 105 | 500 | 1189 | 248 | 547 | 16 | 129 | 66 | 114 | 45 |
| 111 | 49  | 196 | 591  | 464 | 314 | 26 | 188 | 36 | 67  | 30 |
| 147 | 68  | 237 | 1240 | 248 | 551 | 24 | 176 | 51 | 98  | 45 |
| 111 | 96  | 458 | 1080 | 238 | 528 | 16 | 123 | 59 | 112 | 45 |