

| Sample | PI41a' | PI85' | PI80 | PI44' | PI62' | PI56 | PI31' | PI54' | PI33' | PI49' | PI19' | PI16' | PI32' | PI34' | PI18' |
|------------------------------------|--------------------|--------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|
| Rock Type | Ol-rich troctolite | Ol-rich troctolite | Ol-rich troctolite | Ol-Gabbro | Ol-Gabbro | Ol-Gabbro |
| <i>Major elements (wt%)</i> | | | | | | | | | | | | | | | |
| SiO ₂ | 38.48 | 37.37 | 38.38 | 44.84 | 46.28 | 46.21 | 49.1 | 46.34 | 45.66 | 47.92 | 47.78 | 44.48 | 49.99 | 51.69 | 49.56 |
| Al ₂ O ₃ | 3.41 | 6.03 | 4.99 | 21.5 | 20.89 | 19.74 | 21.78 | 21.99 | 21.08 | 21.5 | 20.34 | 21.43 | 18.21 | 15.96 | 17.17 |
| Fe ₂ O ₃ (T) | 9.95 | 9.24 | 9.79 | 3.69 | 4.12 | 4.17 | 4.15 | 4.33 | 3.84 | 3.59 | 4.78 | 3.67 | 3.88 | 4.43 | 3.82 |
| FeO(T) | 9.0 | 8.3 | 8.8 | 3.3 | 3.7 | 3.8 | 3.7 | 3.9 | 3.5 | 3.2 | 4.3 | 3.3 | 3.5 | 4.0 | 3.4 |
| MnO | 0.139 | 0.121 | 0.141 | 0.055 | 0.064 | 0.063 | 0.06 | 0.067 | 0.057 | 0.053 | 0.075 | 0.051 | 0.066 | 0.088 | 0.071 |
| MgO | 38.51 | 34.2 | 36.52 | 11.84 | 11.46 | 13.26 | 10.05 | 11.75 | 12.11 | 11.94 | 11.85 | 13.22 | 9.32 | 10.97 | 10.29 |
| CaO | 1.6 | 2.83 | 2.27 | 10.49 | 11.32 | 10.15 | 10.69 | 10.22 | 11.07 | 11 | 10.85 | 10.6 | 13.58 | 13.9 | 13.77 |
| Na ₂ O | 0.21 | 0.4 | 0.4 | 2.05 | 2.2 | 2.2 | 2.68 | 2.39 | 2.08 | 2.2 | 2.53 | 1.81 | 2.54 | 2.31 | 2.18 |
| K ₂ O | <0.01 | <0.01 | <0.01 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.04 | 0.02 | 0.03 | 0.03 | 0.05 | 0.02 | 0.07 |
| TiO ₂ | 0.033 | 0.065 | 0.08 | 0.11 | 0.077 | 0.066 | 0.082 | 0.075 | 0.093 | 0.052 | 0.104 | 0.04 | 0.213 | 0.267 | 0.208 |
| P ₂ O ₅ | 0.01 | 0.02 | <0.01 | 0.02 | <0.01 | 0.01 | <0.01 | <0.01 | 0.02 | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 | 0.01 |
| LOI | 7.21 | 9.33 | 7.74 | 4.99 | 2.63 | 4.04 | 1.73 | 3.75 | 4.04 | 2.08 | 2.65 | 3.55 | 1.72 | 0.83 | 1.39 |
| Total | 99.56 | 99.62 | 100.3 | 99.61 | 99.08 | 99.93 | 100.3 | 100.9 | 100.1 | 100.4 | 101 | 98.91 | 99.58 | 100.5 | 98.54 |
| <i>Trace elements (ppm)</i> | | | | | | | | | | | | | | | |
| Sc | 6 | 6 | 6 | 4 | 8 | 6 | 7 | 5 | 7 | 6 | 10 | 2 | 27 | 37 | 30 |
| Be | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| V | 15 | 37 | 33 | 18 | 29 | 22 | 24 | 19 | 29 | 17 | 38 | 8 | 97 | 118 | 96 |
| Cr | 640 | 3320 | 1870 | 110 | 390 | 430 | 330 | 140 | 480 | 440 | 510 | 550 | 1180 | 840 | 1690 |
| Co | 116 | 102 | 115 | 36 | 39 | 43 | 38 | 39 | 34 | 38 | 42 | 39 | 25 | 32 | 28 |
| Ni | 1690 | 1330 | 1570 | 510 | 360 | 470 | 330 | 350 | 370 | 400 | 320 | 510 | 190 | 240 | 240 |
| Cu | 110 | 60 | 90 | 70 | 60 | 60 | 100 | 50 | 40 | 60 | 70 | 20 | 70 | 110 | 100 |
| Zn | 70 | 50 | 50 | 50 | <30 | <30 | <30 | 40 | <30 | 30 | <30 | <30 | <30 | <30 | <30 |
| Ga | 2 | 3 | 3 | 9 | 9 | 9 | 11 | 9 | 9 | 10 | 10 | 9 | 11 | 10 | 9 |
| Ge | 1 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.9 | 0.5 | 0.8 | 0.9 | 0.8 | 0.8 | 0.9 | 1.4 | 1.4 |
| As | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Rb | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2 | <1 | <1 |
| Sr | 26 | 46 | 39 | 193 | 156 | 152 | 161 | 163 | 156 | 160 | 169 | 151 | 140 | 139 | 139 |
| Y | 0.7 | 0.9 | 1.3 | 1.9 | 1.5 | 1.2 | 1.5 | 1.2 | 1.9 | 0.9 | 2.1 | 0.6 | 5.4 | 6.9 | 5.5 |
| Zr | 3 | 3 | 3 | 8 | 2 | 3 | 3 | 14 | 10 | 2 | 3 | 4 | 21 | 10 | 16 |
| Nb | <0.2 | 0.6 | <0.2 | <0.2 | <0.2 | <0.2 | 0.3 | 4.1 | 1.1 | <0.2 | <0.2 | 1.2 | 2.2 | <0.2 | 1.3 |
| Mo | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Ag | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| In | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Sn | 2 | 1 | <1 | <1 | <1 | <1 | <1 | 6 | <1 | <1 | <1 | 1 | <1 | <1 | <1 |
| Sb | 0.7 | 0.3 | <0.2 | 0.6 | <0.2 | <0.2 | 0.6 | <0.2 | <0.2 | 0.5 | <0.2 | <0.2 | <0.2 | 0.5 | <0.2 |
| Cs | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Ba | <3 | <3 | <3 | 5 | <3 | <3 | 3 | <3 | 4 | <3 | 3 | <3 | <3 | <3 | 5 |
| La | - | 0.23 | 0.1 | 0.59 | 0.22 | 0.1 | 1.73 | 0.25 | 0.27 | - | 0.36 | 0.25 | 0.73 | 0.47 | 0.43 |
| Ce | - | 0.59 | 0.5 | 1.27 | 0.61 | 0.4 | 2.61 | 0.72 | 0.79 | - | 0.95 | 0.6 | 1.74 | 1.34 | 1.32 |
| Pr | - | 0.09 | 0.08 | 0.18 | 0.1 | 0.07 | 0.29 | 0.11 | 0.13 | 0.07 | 0.14 | 0.09 | 0.27 | 0.26 | 0.24 |
| Nd | 0.2 | 0.44 | 0.4 | 0.9 | 0.48 | 0.5 | 1.09 | 0.53 | 0.67 | 0.37 | 0.72 | 0.41 | 1.38 | 1.5 | 1.3 |
| Sm | 0.07 | 0.11 | 0.2 | 0.25 | 0.16 | 0.2 | 0.22 | 0.16 | 0.21 | 0.10 | 0.25 | 0.11 | 0.55 | 0.67 | 0.54 |
| Eu | 0.06 | 0.09 | 0.12 | 0.27 | 0.23 | 0.21 | 0.28 | 0.23 | 0.21 | 0.21 | 0.28 | 0.17 | 0.35 | 0.44 | 0.35 |
| Gd | 0.09 | 0.15 | 0.18 | 0.3 | 0.29 | 0.19 | 0.23 | 0.24 | 0.27 | 0.16 | 0.34 | 0.12 | 0.8 | 1.06 | 0.85 |
| Tb | 0.01 | 0.02 | 0.03 | 0.06 | 0.04 | 0.03 | 0.04 | 0.04 | 0.06 | 0.03 | 0.07 | 0.02 | 0.16 | 0.18 | 0.16 |
| Dy | 0.09 | 0.17 | 0.2 | 0.38 | 0.29 | 0.2 | 0.25 | 0.24 | 0.34 | 0.17 | 0.38 | 0.12 | 1 | 1.26 | 1.02 |
| Ho | 0.02 | 0.04 | 0.04 | 0.07 | 0.06 | 0.05 | 0.05 | 0.05 | 0.08 | 0.03 | 0.08 | 0.03 | 0.22 | 0.27 | 0.23 |
| Er | 0.08 | 0.1 | 0.1 | 0.2 | 0.14 | 0.1 | 0.15 | 0.14 | 0.21 | 0.1 | 0.23 | 0.08 | 0.57 | 0.78 | 0.59 |
| Tm | 0.02 | 0.02 | <0.005 | 0.03 | 0.02 | <0.005 | 0.02 | 0.02 | 0.04 | 0.01 | 0.03 | 0.01 | 0.10 | 0.11 | 0.09 |
| Yb | 0.11 | 0.14 | 0.2 | 0.18 | 0.12 | 0.1 | 0.15 | 0.14 | 0.22 | 0.09 | 0.22 | 0.09 | 0.58 | 0.61 | 0.58 |
| Lu | 0.02 | 0.022 | <0.002 | 0.028 | 0.021 | <0.002 | 0.023 | 0.026 | 0.034 | 0.016 | 0.037 | 0.014 | 0.085 | 0.094 | 0.083 |
| Hf | 0.1 | <0.1 | <0.1 | 0.2 | <0.1 | <0.1 | <0.1 | 0.2 | 0.4 | 0.1 | <0.1 | 0.1 | 0.5 | 0.3 | 0.5 |
| Ta | <0.01 | 0.56 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 3.21 | <0.01 | <0.01 | 0.02 | 0.03 | 0.02 | <0.01 | 0.03 |
| W | 0.5 | 32.9 | 1.8 | 0.5 | 1.4 | <0.5 | 1 | 179 | <0.5 | <0.5 | 0.7 | <0.5 | <0.5 | <0.5 | <0.5 |
| Tl | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Pb | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Bi | <0.1 | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.8 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Th | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.15 | <0.05 | <0.05 | 0.33 | 0.36 | <0.05 | 0.38 | 0.38 |
| U | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.04 | 0.1 | 0.16 | <0.01 | <0.01 | 0.22 | 0.12 | <0.01 | 0.27 |
| Mg# | 88.5 | 88.0 | 88.1 | 86.4 | 84.6 | 86.3 | 82.8 | 84.3 | 86.2 | 86.8 | 83.1 | 87.7 | 82.6 | 83.1 | 84.2 |

| Sample Rock Type | Plagioclase | | | | | | | | | | | | Plagioclase | | | | | | | | | | | | | | | | | |
|---------------------|--------------------|-------|--------------------|-------|--------------------|------|------------|-------|------------|------|------------|-------|-------------|-------|------------|--------|------------|-------|------------|-------|------------|-------|------------|-------|-----------|-------|-----------|--------|------|------|
| | PI41a | | PI85 | | PI80 | | PI44 | | PI62 | | PI56 | | PI31 | | PI54 | | PI33 | | PI49 | | P19 | | PI16 | | PI32 | | PI34 | | PI18 | |
| | Ol-rich troctolite | std | Ol-rich troctolite | std | Ol-rich troctolite | std | Troctolite | std | Troctolite | std | Troctolite | std | Troctolite | std | Troctolite | std | Troctolite | std | Troctolite | std | Troctolite | std | Troctolite | std | Ol-gabbro | std | Ol-gabbro | std | | |
| n. | 15 | 13 | 13 | 8 | 9 | 5 | 5 | 11 | 15 | 7 | 11 | 15 | 11 | 15 | 7 | 9 | 17 | 11 | 17 | 12 | 11 | 12 | 11 | 12 | 2 | 2 | 1 | 1 | | |
| Li | 0.75 | 0.46 | 1.77 | 1.39 | 2.50 | 1.63 | 3.62 | 1.01 | 0.37 | 0.27 | 6.08 | 4.89 | 0.94 | 1.22 | 1.03 | 0.97 | 1.01 | - | 6.22 | 3.47 | 0.94 | 0.24 | 4.90 | 5.19 | 1.54 | 0.82 | 0.38 | 0.31 | 1.11 | 0.24 |
| B | 2.07 | 0.97 | 2.70 | 1.00 | 1.91 | 1.09 | 10.9 | 3.51 | - | - | 3.60 | 1.50 | 2.58 | 0.80 | 1.47 | 0.44 | 2.14 | 0.18 | 7.21 | 3.98 | - | - | 3.17 | 1.87 | 3.98 | 0.91 | 2.04 | 1.17 | 0.62 | - |
| Sc | 2.00 | 0.53 | 1.40 | 0.59 | 1.91 | 0.87 | 2.41 | 0.48 | 2.47 | 0.81 | 2.25 | 0.31 | 3.04 | 1.29 | 2.42 | 1.36 | 2.99 | 1.28 | 2.26 | 0.37 | 2.42 | 0.37 | 2.06 | 0.64 | 2.47 | 0.13 | 2.40 | 0.83 | 1.14 | 0.01 |
| TiO ₂ | 219 | 45.35 | 285 | 75.8 | 263 | 29.9 | 244 | 68.4 | 255 | 28.8 | 326 | 77.19 | 330 | 110 | 292 | 117.87 | 228 | 66.19 | 228 | 20.94 | 305.59 | 36.50 | 264 | 49.4 | 269 | 68.90 | 234 | 23.70 | 477 | 50.1 |
| V | 2.08 | 1.00 | 1.36 | 0.41 | 1.46 | 0.28 | 3.40 | 0.78 | 5.27 | 3.16 | 0.70 | 4.70 | 2.10 | 3.35 | 1.66 | 3.62 | 1.13 | 2.43 | 0.88 | 3.94 | 0.74 | 4.61 | 1.01 | 4.28 | 0.82 | 4.23 | 1.24 | 3.79 | 0.75 | |
| Cr | 4.10 | 1.25 | 4.85 | 1.33 | 4.84 | 0.47 | 2.63 | 0.84 | - | - | 2.83 | 1.16 | 46.2 | 51.0 | 10.1 | 3.54 | 6.68 | 0.49 | 3.97 | 3.73 | - | - | 9.99 | 7.87 | 2.73 | 2.06 | 9.98 | 0.26 | 2.97 | 0.77 |
| Co | 0.70 | 0.62 | 0.39 | 0.23 | 0.53 | 0.30 | 0.20 | 0.04 | 1.14 | 1.02 | 0.89 | 0.47 | 0.78 | 0.56 | 1.32 | 1.53 | 0.65 | 0.28 | 0.37 | 0.18 | 0.55 | 0.27 | 0.43 | 0.18 | 0.33 | 0.08 | 0.53 | 0.27 | 0.16 | 0.03 |
| Ni | 3.81 | 8.22 | 1.88 | 1.50 | 2.46 | 2.24 | 0.45 | 0.26 | 4.61 | 3.75 | 3.89 | 4.29 | 2.98 | 2.39 | 2.74 | 0.89 | 1.33 | 0.64 | 0.97 | 1.02 | 0.67 | 0.38 | 4.22 | 12.52 | 0.97 | 0.38 | 1.93 | 1.36 | 0.62 | 0.28 |
| Zn | 16.4 | 19.2 | 11.31 | 10.21 | 25.5 | 24.5 | 3.93 | 3.20 | 16.05 | 6.81 | 19.92 | 16.27 | 25.0 | 2.68 | 19.7 | 17.2 | 20.33 | 5.88 | 8.17 | 5.07 | 6.57 | 4.15 | 5.24 | 4.57 | 10.91 | 3.77 | 11.2 | 11.4 | 3.32 | 0.49 |
| Rb | 0.41 | 0.25 | 0.26 | 0.22 | 0.32 | 0.16 | 0.06 | 0.02 | 0.32 | 0.06 | 0.18 | 0.19 | 0.81 | 0.48 | 0.80 | 0.40 | 0.39 | 0.13 | 0.11 | 0.06 | 0.22 | 0.19 | 0.09 | 0.07 | 0.10 | 0.03 | 0.36 | 0.48 | 0.02 | |
| Sr | 237 | 51.17 | 253 | 26.2 | 252 | 27.4 | 229 | 13.01 | 212 | 22.1 | 236 | 5.19 | 218 | 22.83 | 220 | 8.63 | 221 | 9.64 | 221 | 8.53 | 237.43 | 4.21 | 210 | 22.3 | 6.62 | 219 | 13.90 | 187.21 | 4.25 | |
| Y | 0.28 | 0.12 | 0.33 | 0.09 | 0.40 | 0.14 | 0.54 | 0.13 | 0.15 | 0.02 | 0.24 | 0.03 | 0.22 | 0.09 | 0.32 | 0.15 | 0.35 | 0.13 | 0.13 | 0.04 | 0.28 | 0.03 | 0.12 | 0.16 | 0.05 | 0.24 | 0.10 | 0.14 | 0.03 | |
| Zr | 1.52 | 1.97 | 0.23 | 0.15 | 0.52 | 0.67 | 0.07 | 0.04 | 0.12 | - | 0.04 | 0.02 | 0.30 | 0.08 | 1.07 | 0.88 | 0.29 | 0.10 | 0.06 | 0.03 | 0.23 | 0.29 | 0.12 | 0.10 | 0.03 | 0.01 | 0.22 | 0.18 | 0.06 | 0.01 |
| Nb | 0.06 | 0.03 | 0.06 | 0.05 | 0.06 | 0.01 | 0.02 | 0.01 | 0.08 | - | - | 0.21 | 0.12 | 0.25 | 0.20 | 0.27 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.00 | 0.08 | 0.06 | - | - | | |
| Cs | 0.03 | 0.01 | 0.02 | 0.02 | 0.01 | 0.00 | 0.01 | 0.00 | - | - | 0.0 | - | 0.05 | 0.02 | 0.04 | 0.02 | 0.03 | 0.02 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | - | |
| Ba | 3.15 | 2.53 | 1.91 | 0.60 | 2.05 | 1.04 | 1.24 | 0.23 | 0.96 | 0.29 | 1.40 | 0.47 | 0.94 | 0.63 | 1.65 | 1.53 | 0.88 | 0.38 | 1.09 | 0.56 | 1.26 | 0.31 | 0.66 | 0.15 | 1.24 | 0.17 | 1.62 | 0.61 | 0.83 | 0.03 |
| La | 0.25 | 0.10 | 0.47 | 0.09 | 0.54 | 0.12 | 0.24 | 0.07 | 0.17 | 0.09 | 0.26 | 0.06 | 0.20 | 0.10 | 0.21 | 0.15 | 0.21 | 0.05 | 0.14 | 0.02 | 0.17 | 0.02 | 0.18 | 0.04 | 0.14 | 0.03 | 0.17 | 0.03 | 0.03 | |
| Ce | 0.83 | 0.19 | 1.41 | 0.20 | 1.50 | 0.17 | 0.74 | 0.24 | 0.52 | 0.06 | 0.73 | 0.14 | 0.71 | 0.26 | 0.66 | 0.30 | 0.59 | 0.17 | 0.40 | 0.04 | 0.59 | 0.09 | 0.50 | 0.09 | 0.49 | 0.07 | 0.46 | 0.18 | 0.66 | 0.06 |
| Pr | 0.11 | 0.03 | 0.17 | 0.05 | 0.20 | 0.03 | 0.10 | 0.04 | 0.07 | 0.03 | 0.10 | 0.02 | 0.10 | 0.04 | 0.13 | 0.05 | 0.09 | 0.04 | 0.06 | 0.02 | 0.07 | 0.02 | 0.06 | 0.01 | 0.09 | 0.05 | 0.07 | 0.00 | - | |
| Nd | 0.54 | 0.18 | 0.75 | 0.23 | 0.90 | 0.27 | 0.54 | 0.20 | 0.36 | 0.11 | 0.52 | 0.15 | 0.55 | 0.24 | 0.41 | 0.13 | 0.40 | 0.23 | 0.27 | 0.06 | 0.31 | 0.02 | 0.38 | 0.11 | 0.28 | 0.04 | 0.40 | 0.23 | 0.29 | 0.02 |
| Sm | 0.15 | 0.06 | 0.20 | 0.08 | 0.23 | 0.14 | 0.16 | 0.07 | 0.09 | 0.00 | 0.13 | 0.04 | 0.24 | 0.02 | 0.21 | 0.13 | 0.29 | 0.12 | 0.09 | 0.03 | 0.06 | 0.01 | 0.10 | 0.04 | 0.07 | 0.02 | 0.18 | 0.08 | 0.06 | 0.02 |
| Eu | 0.30 | 0.12 | 0.35 | 0.10 | 0.36 | 0.15 | 0.28 | 0.06 | 0.35 | 0.10 | 0.31 | 0.04 | 0.45 | 0.17 | 0.42 | 0.30 | 0.30 | 0.07 | 0.26 | 0.04 | 0.38 | 0.01 | 0.25 | 0.04 | 0.29 | 0.03 | 0.47 | 0.25 | 0.20 | 0.02 |
| Gd | 0.13 | 0.06 | 0.11 | 0.05 | 0.20 | 0.10 | 0.20 | 0.09 | 0.12 | - | 0.10 | 0.03 | 0.16 | 0.08 | 0.29 | 0.16 | 0.34 | 0.07 | 0.08 | 0.04 | 0.10 | 0.02 | 0.13 | 0.05 | 0.07 | 0.03 | 0.12 | 0.06 | 0.04 | - |
| Tb | 0.02 | 0.00 | 0.02 | 0.01 | 0.03 | 0.00 | 0.02 | 0.01 | - | - | 0.02 | 0.01 | - | - | - | - | 0.07 | - | 0.01 | 0.00 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.00 | 0.03 | 0.02 | - | |
| Dy | 0.09 | 0.04 | 0.10 | 0.06 | 0.12 | 0.05 | 0.10 | 0.05 | - | - | 0.07 | 0.02 | 0.18 | 0.05 | 0.13 | - | 0.15 | 0.04 | 0.07 | 0.02 | 0.10 | 0.00 | 0.09 | 0.05 | 0.03 | 0.01 | 0.06 | 0.02 | 0.03 | 0.01 |
| Ho | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 | 0.02 | 0.01 | 0.03 | 0.00 | 0.02 | 0.01 | 0.03 | 0.00 | 0.04 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 0.00 | 0.02 | 0.01 | 0.01 | - | | |
| Er | 0.07 | 0.02 | 0.07 | 0.02 | 0.06 | 0.02 | 0.07 | 0.05 | - | - | 0.04 | 0.03 | 0.07 | - | 0.23 | 0.14 | - | - | 0.04 | 0.02 | 0.04 | 0.01 | 0.07 | 0.04 | 0.02 | 0.00 | 0.04 | - | - | |
| Tm | 0.01 | - | 0.01 | - | 0.07 | - | 0.01 | 0.00 | - | - | 0.01 | 0.01 | - | - | - | - | - | - | 0.00 | 0.00 | 0.01 | - | 0.01 | 0.00 | 0.01 | 0.00 | - | - | | |
| Yb | - | - | 0.08 | - | - | - | 0.06 | 0.01 | - | - | 0.05 | 0.01 | - | - | 0.54 | - | - | - | 0.05 | 0.01 | 0.05 | 0.00 | 0.06 | 0.02 | 0.03 | 0.02 | 0.04 | - | - | |
| Lu | - | - | - | - | 0.01 | 0.01 | 0.01 | 0.00 | - | - | 0.02 | 0.01 | - | - | 0.12 | - | - | - | 0.01 | 0.00 | - | - | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | - | | |
| Hf | 0.12 | 0.09 | - | - | 0.14 | 0.14 | 0.09 | - | - | - | 0.1 | - | 0.09 | 0.02 | 0.07 | - | - | - | 0.05 | 0.02 | 0.04 | 0.00 | 0.04 | 0.01 | 0.37 | - | 0.15 | 0.15 | - | |
| Ta | 0.06 | 0.03 | 0.01 | - | 0.06 | 0.03 | 0.02 | 0.00 | 0.06 | 0.01 | 0.0 | - | - | - | 0.16 | 0.10 | - | - | 0.01 | 0.00 | - | - | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 | - | | |
| Pb | 0.33 | 0.34 | 0.19 | 0.14 | 0.45 | 0.34 | 0.21 | 0.09 | 0.38 | 0.16 | 0.3 | 0.1 | 0.16 | 0.08 | 0.26 | 0.12 | 0.21 | 0.09 | 0.33 | 0.26 | 0.10 | 0.05 | 0.20 | 0.18 | 0.33 | 0.15 | 0.38 | 0.27 | 0.13 | 0.05 |
| Th | 0.05 | 0.05 | 0.02 | 0.00 | 0.02 | 0.01 | 0.00 | 0.01 | 0.00 | 0.02 | 0.01 | 0.03 | 0.00 | - | - | - | - | - | - | - | 0.01 | 0.00 | 0.00 | 0.00 | 0.03 | 0.02 | - | - | | |
| U | 0.03 | 0.02 | 0.01 | - | 0.01 | - | - | - | 0.005 | - | 0.006 | 0.004 | 0.01 | 0.00 | 0.02 | - | - | - | 0.00 | 0.00 | 0.01 | - | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | - | | |

| Sample | Clinopyroxene | | | | | | | | | | | | Clinopyroxene | | | | | | | | | | | | | |
|------------------|-----------------------------------|---------------------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| | PI85 | | PI44 | | PI62 | | PI56 | | PI31 | | PI54 | | PI54 | | PI33 | | PI49 | | P19 | | PI32 | | PI34 | | PI18 | |
| | Ol-rich troctolite (Interstitial) | Troctolite (Interstitial) | Troctolite | Troctolite | Troctolite | Troctolite | Oikocryst | Troctolite | Troctolite | Troctolite | Troctolite | Troctolite | Troctolite | Troctolite | Troctolite | Troctolite | Troctolite | Troctolite | Troctolite | Ol-gabbro | Ol-gabbro | Ol-gabbro | Ol-gabbro | Ol-gabbro | Ol-gabbro | |
| n. | 4 | std | 3 | std | 5 | std | 6 | std | 5 | std | 6 | std | 2 | std | 8 | std | 3 | std | 4 | std | 7 | std | 13 | std | 2 | std |
| Li | 2.3 | 0.4 | 5.99 | 2.98 | 1.29 | 0.60 | 7.14 | - | 1.15 | 0.78 | 1.04 | 0.68 | 1.11 | 0.09 | 1.18 | 0.49 | 5.27 | - | 1.96 | 0.79 | 2.20 | 1.77 | 1.39 | 0.47 | 1.06 | 0.38 |
| B | 1.3 | - | 11.03 | 2.29 | - | - | 3.70 | 1.61 | 1.39 | 0.01 | 1.37 | - | 1.10 | - | 1.92 | 0.57 | 4.16 | - | - | - | 3.40 | 1.08 | 1.25 | - | - | - |
| Se | 88.5 | 5.32 | 92.26 | 1.30 | 80.0 | 5.97 | 91.04 | 4.69 | 80.0 | 4.42 | 88.56 | 1.75 | 95.57 | 5.16 | 93.52 | 3.63 | 81.72 | 0.90 | 79.92 | 2.25 | 85.80 | 3.91 | 81.30 | 3.26 | 90.03 | 1.12 |
| FeO ₂ | 5351 | 1878 | 6256 | 65.8 | 0.39 | 0.02 | 3322 | 193 | 0.40 | 0.05 | 0.62 | 0.03 | 1.03 | 0.09 | 0.87 | 0.02 | 2345.24 | 233.97 | 2184.73 | 47.06 | 2271 | 220 | 2178 | 138 | 2943 | 98.7 |
| V | 368 | 35.0 | 448 | 21.8 | 287 | 4.30 | 321 | 9.49 | 268 | 12.7 | 372 | 9 | 491 | 20.5 | 451 | 14.44 | 269.98 | 8.48 | 264.92 | 6.46 | 280.03 | 23.98 | 273 | 14 | 288 | 8.05 |
| Cr | 8630 | 158 | 4385 | 265 | 5649 | 268 | 8337 | 881 | 4769 | 944 | 2266 | 151 | 2014 | 138 | 5042 | 231.08 | 6688.39 | 109.35 | 7333.62 | 503 | 7169 | 1907 | 6859 | 1946 | 7092 | 512 |
| Co | 23.5 | 1.9 | 21.58 | 0.17 | 33.39 | 1.58 | 25.98 | 1.99 | 25.72 | 0.36 | 29.22 | 1.58 | 25.93 | 0.44 | 30.45 | 2.29 | 28.16 | 2.58 | 27.20 | 1.29 | 32.77 | 3.69 | 30.0 | 1.57 | 31.70 | 0.66 |
| Ni | 243 | 9.8 | 235 | 11.7 | 217 | 13.1 | 204 | 11.05 | 151 | 10.07 | 194 | 11.45 | 164 | 4.70 | 259 | 21.18 | 190.90 | 17.91 | 184.03 | 15.51 | 208.86 | 20.92 | 195.63 | 12.80 | 196.02 | 4.62 |
| Zn | 14.0 | 2.0 | 19.53 | 0.72 | 29.7 | 4.37 | 31.56 | 8.20 | 31.08 | 15.60 | 24.71 | 6.75 | 16.03 | 1.38 | 44.21 | 19.61 | 23.11 | 2.75 | 26.37 | 1.52 | 26.05 | 1.98 | 29.60 | 8.74 | 23.37 | 0.12 |
| Rb | 0.0 | 0.0 | 0.03 | 0.00 | 0.16 | - | 0.08 | 0.03 | 0.33 | - | 0.33 | 0.06 | 0.34 | 0.09 | 0.38 | 0.20 | 0.06 | 0.03 | - | 0.06 | 0.03 | 0.26 | 0.16 | - | - | |
| Sr | 11.6 | 1.1 | 9.83 | 0.36 | 9.26 | 0.35 | 9.14 | 0.61 | 8.76 | 0.93 | 9.28 | 0.47 | 9.01 | 0.10 | 10.61 | 0.76 | 9.09 | 0.46 | 10.81 | 0.36 | 10.42 | 0.46 | 10.28 | 0.69 | 10.70 | 0.54 |
| Y | 26.9 | 6.4 | 49.36 | 1.60 | 11.50 | 0.78 | 19.5 | 2.56 | 13.16 | 1.33 | 20.62 | 1.78 | 38.32 | 0.58 | 26.67 | 2.20 | 14.90 | 0.28 | 9.62 | 0.45 | 12.17 | 1.53 | 11.26 | 1.21 | 11.81 | 0.11 |
| Zr | 48.9 | 25.0 | 128.91 | 4.38 | 8.17 | 0.75 | 23.9 | 5.08 | 10.73 | 3.57 | 14.23 | 3.01 | 96.49 | 0.96 | 26.53 | 5.91 | 20.79 | 3.77 | 7.18 | 0.96 | 8.88 | 3.03 | 7.54 | 1.05 | 7.75 | 0.49 |
| Nb | 0.4 | 0.1 | 0.07 | 0.05 | 0.06 | 0.00 | 0.10 | 0.06 | 0.22 | 0.11 | 0.17 | 0.08 | - | - | 0.12 | 0.02 | 0.11 | 0.02 | 0.02 | 0.02 | 0.01 | 0.06 | 0.04 | 0.02 | - | |
| Cs | - | - | 0.01 | - | 0.01 | - | 0.01 | - | 0.01 | - | 0.04 | - | - | - | 0.02 | 0.01 | 0.03 | 0.01 | 0.01 | - | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | - |
| Ba | 0.0 | 0.0 | 0.12 | 0.00 | 0.12 | 0.05 | 0.04 | 0.02 | - | - | - | - | 0.38 | - | 0.60 | 0.34 | 0.10 | 0.05 | 0.11 | 0.06 | 0.07 | 0.02 | 0.23 | 0.11 | 0.05 | 0.00 |
| La | 0.5 | 0.1 | 0.26 | 0.04 | 0.16 | 0.03 | 0.22 | 0.05 | 0.19 | 0.06 | 0.26 | 0.11 | 0.36 | 0.15 | 0.33 | 0.10 | 0.13 | 0.03 | 0.13 | 0.03 | 0.15 | 0.04 | 0.16 | 0.05 | 0.17 | 0.03 |
| Ce | 3.6 | 0.8 | 2.45 | 0.21 | 1.04 | 0.15 | 1.49 | 0.12 | 1.17 | 0.24 | 1.68 | 0.19 | 2.33 | 0.33 | 1.96 | 0.14 | 0.89 | 0.07 | 0.82 | 0.05 | 0.94 | 0.22 | 1.01 | 0.22 | 1.03 | 0.03 |
| Pr | 0.9 | 0.3 | 0.85 | 0.02 | 0.27 | 0.03 | 0.42 | 0.07 | 0.29 | 0.04 | 0.43 | 0.07 | 0.54 | 0.03 | 0.55 | 0.09 | 0.28 | 0.02 | 0.21 | 0.03 | 0.28 | 0.06 | 0.25 | 0.05 | 0.25 | 0.03 |
| Nd | 6.4 | 2.0 | 7.18 | 0.18 | 1.98 | 0.37 | 3.19 | 0.41 | 2.38 | 0.67 | 3.59 | 0.65 | 4.86 | 0.83 | 3.87 | 0.42 | 1.88 | 0.33 | 1.66 | 0.24 | 1.93 | 0.33 | 1.89 | 0.27 | 2.12 | 0.20 |
| Sm | 3.0 | 1.0 | 4.07 | 0.27 | 1.08 | 0.12 | 1.70 | 0.30 | 1.22 | 0.39 | 1.88 | 0.49 | 3.43 | 0.74 | 2.52 | 0.62 | 1.22 | 0.12 | 0.87 | 0.16 | 1.06 | 0.28 | 1.04 | 0.30 | 1.19 | 0.05 |
| Eu | 0.8 | 0.1 | 0.73 | 0.08 | 0.41 | 0.05 | 0.60 | 0.11 | 0.40 | 0.12 | 0.56 | 0.20 | 0.50 | 0.13 | 0.65 | 0.14 | 0.46 | 0.07 | 0.39 | 0.07 | 0.46 | 0.09 | 0.38 | 0.07 | 0.44 | 0.02 |
| Gd | 4.3 | 1.5 | 6.71 | 0.16 | 1.71 | 0.25 | 2.31 | 0.28 | 1.84 | 0.36 | 2.81 | 0.29 | 4.90 | 0.25 | 3.62 | 0.54 | 1.95 | 0.13 | 1.44 | 0.29 | 1.68 | 0.39 | 1.57 | 0.33 | 1.85 | 0.33 |
| Tb | 0.8 | 0.3 | 1.33 | 0.07 | 0.37 | 0.02 | 0.49 | 0.03 | 0.35 | 0.04 | 0.64 | 0.14 | 1.13 | 0.11 | 0.72 | 0.13 | 0.35 | 0.02 | 0.28 | 0.06 | 0.35 | 0.08 | 0.31 | 0.06 | 0.34 | 0.06 |
| Dy | 5.5 | 1.7 | 8.90 | 0.38 | 1.99 | 0.22 | 3.51 | 0.45 | 2.59 | 0.64 | 3.38 | 0.54 | 7.23 | 1.89 | 5.23 | 0.52 | 2.62 | 0.34 | 1.97 | 0.33 | 2.23 | 0.36 | 2.11 | 0.26 | 2.58 | 0.14 |
| Ho | 1.1 | 0.3 | 1.86 | 0.09 | 0.43 | 0.02 | 0.75 | 0.07 | 0.53 | 0.12 | 0.85 | 0.10 | 1.63 | 0.07 | 1.10 | 0.09 | 0.63 | 0.03 | 0.44 | 0.02 | 0.52 | 0.05 | 0.43 | 0.08 | 0.52 | 0.06 |
| Er | 2.8 | 0.5 | 5.15 | 0.23 | 1.26 | 0.25 | 2.04 | 0.37 | 1.57 | 0.29 | 2.07 | 0.28 | 3.82 | 0.24 | 2.86 | 0.51 | 1.64 | 0.30 | 0.97 | 0.19 | 1.28 | 0.15 | 1.21 | 0.14 | 1.34 | 0.08 |
| Tm | 0.4 | 0.1 | 0.78 | 0.04 | 0.17 | 0.06 | 0.31 | 0.04 | 0.25 | 0.04 | 0.35 | 0.14 | 0.63 | 0.16 | 0.40 | 0.09 | 0.26 | 0.04 | 0.13 | 0.05 | 0.17 | 0.02 | 0.18 | 0.01 | 0.20 | 0.01 |
| Yb | 2.5 | 0.5 | 4.50 | 0.20 | 1.18 | 0.29 | 1.95 | 0.41 | 1.46 | 0.15 | 2.73 | 0.49 | 4.54 | 0.29 | 3.13 | 0.43 | 1.57 | 0.08 | 1.18 | 0.27 | 1.15 | 0.11 | 1.19 | 0.18 | 1.33 | 0.06 |
| Lu | 0.3 | 0.0 | 0.58 | 0.04 | 0.17 | 0.05 | 0.25 | 0.05 | 0.27 | 0.05 | 0.25 | 0.09 | 0.41 | 0.05 | 0.36 | 0.08 | 0.22 | 0.01 | 0.13 | 0.01 | 0.16 | 0.05 | 0.15 | 0.02 | 0.13 | 0.03 |
| Hf | 1.8 | 1.2 | 4.15 | 0.31 | 0.45 | 0.12 | 0.72 | 0.10 | 0.33 | 0.12 | 0.63 | 0.19 | 3.37 | 0.69 | 1.13 | 0.31 | 0.58 | 0.17 | 0.43 | 0.10 | 0.46 | 0.12 | 0.36 | 0.15 | 0.39 | 0.01 |
| Ta | 0.02 | 0.01 | 0.01 | 0.00 | - | - | 0.01 | 0.00 | - | - | - | - | 0.12 | - | - | - | - | 0.01 | - | - | 0.01 | 0.06 | 0.03 | - | - | - |
| Pb | 0.03 | 0.01 | 0.23 | 0.10 | 0.14 | 0.09 | 0.20 | 0.05 | 0.12 | 0.06 | 0.21 | 0.26 | 0.09 | 0.04 | 0.47 | 0.24 | 0.24 | 0.04 | 0.44 | 0.40 | 0.16 | 0.09 | 0.52 | 0.93 | - | - |
| Tb | 0.04 | 0.01 | 0.02 | - | 0.01 | 0.00 | 0.02 | 0.01 | 0.03 | 0.01 | 0.02 | 0.01 | 0.02 | - | 0.02 | 0.01 | 0.02 | - | 0.01 | 0.00 | 0.02 | 0.00 | - | - | - | - |
| U | 0.02 | 0.01 | 0.01 | - | 0.01 | 0.00 | 0.01 | 0.00 | - | - | 0.02 | 0.02 | - | - | 0.01 | 0.00 | 0.01 | - | - | - | 0.01 | 0.00 | - | - | - | - |