Table 4:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Upstream zone | | | | | | |  | Central zone | | | | | | Downstream zone | | | | | | | | | |
| d.l. | ELA3 | Dou2 | ELA11 | Dou1 | MAO | NKO | TAD | MA | Pat | Dj | MAY | NS30 | Kg | LMG | SN | MBE | MBA | LiM | DjA | DjS | MB | Bi | NKE | BB |
| Cr | 3 | 278 | 544 | 232 | 455 | 117 | 192 | 162 | 278 | 1056 | 257 | 234 | 347 | 483 | 152 | 286 | 394 | 396 | 183 | 217 | 263 | 349 | 482 | 216 | 353 |
| V | 0.8 | >370 | >370 | >370 | >370 | 172 | >370 | 251 | >370 | >370 | >370 | >370 | >370 | >370 | 192 | >370 | >370 | >370 | >370 | 249 | >370 | >370 | >370 | >370 | >370 |
| Ni | 0.7 | 7.2 | 12.7 | 7.2 | 11.8 | 4.9 | 6.1 | 4.8 | 5.9 | 8.9 | 9.6 | 7.6 | 6.5 | 7.4 | 6.2 | 15.8 | 5.5 | 5.7 | 7.4 | 10 | 8.1 | 4.6 | 11.2 | 4.9 | 6.4 |
| Zn | 1.8 | 86 | 59 | 65 | 73 | 127 | 39 | 48 | 29 | 41 | 97 | 226 | 31 | 49 | 18 | 102 | 326 | 88 | 146 | 1286 | 32 | 13 | 91 | 97 | 44 |
| Cu | 1.4 | 22.8 | 13.4 | 11.3 | 15.1 | 31.8 | 25 | 24.8 | 9.9 | 21 | 18.3 | 7.9 | <dl | <dl | 21.3 | 23.1 | 15 | 58.7 | 32 | 18.1 | 6.00 | <dl | 57.8 | 32.7 | 10.5 |
| Co | 0.13 | 15.68 | 11.24 | 16.44 | 11.43 | 3.42 | 5.63 | 8.55 | 5.22 | 11.10 | 8.98 | 8.99 | 8.01 | 12.7 | 2.25 | 17.19 | 11 | 10.61 | 25.42 | 16.00 | 9.12 | 4.24 | 8.16 | 6.25 | 11.93 |
| Sc | 1.1 | 15.0 | 13.7 | 17.0 | 13.1 | 6.7 | 18.4 | 7.2 | 25.0 | 24.8 | 62.99 | 23.6 | 23.2 | 17.6 | 5.1 | 33.5 | 20.4 | 14.7 | 15.9 | 14.3 | 22.66 | 20.4 | 18.11 | 12.5 | 38.0 |
| Ba | 0.8 | 58.1 | 18.8 | 52.1 | 20.4 | 88.4 | 52.0 | 63.5 | 21.3 | 18.3 | 23.5 | 78.8 | 16.3 | 13.7 | 27.4 | 9.7 | 22.3 | 8.2 | 49.5 | 29.8 | 16.1 | 22.3 | 23.8 | 29.7 | 17.0 |
| Zr | 6 | >1450 | 968 | >1450 | >1450 | 1187 | >1450 | >1450 | 1037 | >1450 | 563 | >1450 | >1450 | >1450 | 662 | >1450 | >1450 | >1450 | >1450 | 782 | 608 | 1022 | 728 | >1450 | >1450 |
| Sr | 0.6 | 21.7 | 16.5 | 17.8 | 16.4 | 21.2 | 25.5 | 12.2 | 11.4 | 13.6 | 6.9 | 22.7 | 17.9 | 8.0 | 5.7 | 9.9 | 7.3 | 5.0 | 16.7 | 5.4 | 11.4 | 8.8 | 6.8 | 15.1 | 13.5 |
| Y | 0.05 | 85.23 | 26.09 | 79.81 | 29.85 | 7.97 | 46.07 | 26 | 35.49 | 36.86 | 109.93 | 45.52 | 42.93 | 39.8 | 13.56 | 51.20 | 21.77 | 15.18 | 80.29 | 24.69 | 36.77 | 23.5 | 20.8 | 31.54 | 63.14 |
| Li | 0.4 | 7.2 | 12.1 | 8.8 | 2.9 | 5.3 | 5.3 | 1.7 | 4.7 | 3.7 | 13.0 | 13.3 | 3.9 | 7.2 | 1.9 | 4.3 | 15.0 | 2.1 | 3.8 | 71.2 | 7.5 | 3.2 | 2.1 | 8.3 | 6.5 |
| Ga | 0.04 | 15.87 | 13.30 | 16.35 | 4.48 | 3.76 | 5.05 | 2.82 | 2.96 | 3.53 | 5.56 | 5.61 | 4.31 | 5.85 | 2.72 | 4.09 | 4.69 | 2.73 | 4.13 | 20.66 | 7.29 | 2.47 | 4.18 | 5.39 | 4.10 |
| Pb | 0.18 | 27.2 | 8.4 | 23.2 | 10.2 | 6.1 | 9.3 | 9.9 | 5.4 | 6.4 | 5.2 | 6.5 | 7.2 | 8.9 | 4.7 | 5.7 | 10.3 | 15.0 | 21.0 | 8.5 | 6.4 | 5.5 | 82.4 | 6.8 | 5.9 |
| Rb | 0.11 | 5.22 | 1.85 | 3.44 | 2.05 | 7.66 | 6.52 | 4.89 | 1.55 | 1.66 | 2.38 | 4.10 | 0.90 | 1.81 | 2.80 | 1.05 | 2.21 | 0.83 | 3.37 | 0.43 | 1.45 | 1.76 | 2.59 | 3.09 | 1.64 |
| Nb | 0.03 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | 219.41 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 | >277 |
| Hf | 0.14 | >29 | 28.84 | >29 | >29 | >29 | >29 | >29 | 28.24 | >29 | 15.70 | >29 | >29 | >29 | 18.46 | >29 | >29 | >29 | >29 | 21.29 | 17.71 | 28.99 | 20.32 | >29 | >29 |
| Mo | 0.08 | 1.68 | 1.44 | 1.57 | 1.32 | 0.53 | 1.17 | 0.74 | 0.90 | 1.72 | 1.66 | 0.78 | 1.43 | 1.96 | 0.80 | 1.64 | 1.16 | 1.98 | 1.11 | 1.00 | 1.56 | 1.34 | 2.60 | 0.89 | 1.31 |
| Th | 0.02 | >109 | 68.10 | >109 | >109 | 11.31 | 97.17 | 26.79 | 8.59 | 24.34 | 10.13 | 17.84 | 19.34 | 94.03 | 3.61 | 22.31 | 53.70 | 37.82 | 90.18 | 19.55 | 40.72 | 5.04 | 9.84 | 15.88 | 10.79 |
| U | 0.01 | 65.44 | 13.59 | 55.32 | 22.97 | 4.03 | 20.78 | 9.03 | 4.37 | 10.15 | 3.99 | 7.61 | 8.07 | 20.84 | 2.24 | 7.94 | 14.97 | 11.12 | 25.57 | 6.13 | 9.70 | 4.43 | 5.36 | 6.36 | 6.14 |
| Ta | 0.007 | 48.82 | 54.28 | 37.15 | 63.50 | 22.88 | 49.79 | 29.52 | 57.46 | 89.78 | 57.38 | 54.33 | 77.35 | 88.97 | 16.16 | 71.64 | 11.86 | 104.31 | 54.45 | 49.85 | 76.45 | 90.10 | 103.34 | 54.53 | 85.55 |
| Be | 0.04 | 0.24 | 0.46 | 0.24 | 0.22 | 0.57 | 0.57 | 0.18 | 0.24 | 0.25 | 0.51 | 1.15 | 0.25 | 0.21 | 0.17 | 0.17 | 0.85 | 0.18 | 0.23 | 5.34 | 0.24 | 0.18 | 0.39 | 0.52 | 0.23 |
| Cd | 0.01 | 0.69 | 0.18 | 0.68 | 0.18 | 0.11 | 0.35 | 0.36 | 0.36 | 0.29 | 1.12 | 0.26 | 0.36 | 0.30 | 0.06 | 0.54 | 0.24 | 0.30 | 0.84 | 0.17 | 0.25 | 0.28 | 0.09 | 0.25 | 0.57 |
| Cs | 0.013 | 0.08 | 0.13 | 0.07 | 0.09 | 0.16 | 0.31 | 0.08 | 0.10 | 0.12 | 0.14 | 0.10 | 0.06 | 0.13 | 0.22 | 0.08 | 0.1 | 0.07 | 0.05 | 0.04 | 0.09 | 0.13 | 0.21 | 0.14 | 0.13 |
| Sb | 0.04 | 0.04 | 0.50 | 0.14 | 0.51 | 0.15 | 0.34 | 0.20 | 0.36 | 1.03 | 0.33 | 0.33 | 0.67 | 0.66 | 0.08 | 0.45 | 0.45 | 0.64 | 0.18 | 0.15 | 0.44 | 0.42 | 2.14 | 0.27 | 1.01 |
| Sn | 0.16 | >14 | >14 | 10.57 | >14 | >14 | >14 | >14 | >14 | >14 | 12.18 | >14 | >14 | >14 | >14 | 11.65 | >14 | >14 | 7.72 | >14 | >14 | >14 | >14 | >14 | >14 |
| W | 0.05 | 31.88 | 34.05 | 23.87 | 38.38 | 14.35 | 30.15 | 18.15 | 38.73 | 70.83 | 28.42 | 32.55 | 56.81 | 52.35 | 11.97 | 37.81 | 7.99 | 62.75 | 28.25 | 27.00 | 52.35 | 47.53 | 57.65 | 37.01 | 65.37 |
| La/Sc |  | - | 14,86 | 73,29 | 30,12 | 3,87 | 17,10 | 9,74 | 0,89 | 2,77 | 0,40 | 1,80 | 2,05 | 16,66 | 0,80 | 1,87 | 6,88 | 6,45 | 15,54 | 2,35 | 5,09 | 0,45 | 0,80 | 3,86 | 0,63 |
| La/Co |  | - | 18,12 | 75,79 | 34,52 | 7,58 | 55,88 | 8,20 | 4,26 | 6,19 | 2,83 | 4,72 | 5,94 | 23,09 | 1,82 | 3,64 | 12,76 | 8,94 | 9,72 | 2,10 | 12,65 | 2,14 | 1,78 | 7,73 | 2,00 |
| Th/Sc |  | - | 4,97 | - | - | 1,69 | 5,28 | 3,72 | 0,34 | 0,98 | 0,16 | 0,76 | 0,83 | 5,34 | 0,71 | 0,67 | 2,63 | 2,57 | 5,67 | 1,37 | 1,80 | 0,25 | 0,54 | 1,27 | 0,28 |
| Zr/Cr |  | - | 1,78 | - | - | 10,15 | - | - | 3,73 | - | 2,19 | - | - | - | 4,36 | - | - | - | - | 3,60 | 2,31 | 2,93 | 1,51 | - | - |

d.l.: detection limits.