Barium (Ba)
Original Sample
pXRF analysis
204 571 892 1049 1908 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Barium (Ba)
<0.063 mm
Aqua regia
0 27 111 180 504 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Barium (Ba)
<2 mm
4-acid
183 614 908 1044 2424 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Barium (Ba)
<0.063 mm
4-acid
269 591 808 920 2250 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Barium (Ba)
<2 mm
Lithium borate fusion
189 612 885 1034 2486 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Barium (Ba)
<0.063 mm
Lithium borate fusion
264 597 815 917 2297 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Calcium (Ca)
Original Sample
pXRF analysis
0.2 1.0 1.5 1.9 2.3 %
0 50 95 98 100 %tile
Calcium (Ca)
<0.063 mm
Aqua regia
0 0.1 0.4 1.0 1.5 %
0 50 95 98 100 %tile
Calcium (Ca)
<2 mm
4-acid
0.2 0.9 1.5 2.0 4.0 %
0 50 95 98 100 %tile
Calcium (Ca)
<0.063 mm
4-acid
0.2 1.0 1.6 1.8 2.6 %
0 50 95 98 100 %tile
Calcium (Ca)
<2 mm
Lithium borate fusion
0.2 1.0 1.6 2.0 4.4 %
0 50 95 98 100 %tile
Calcium (Ca)
<0.063 mm
Lithium borate fusion
0.3 1.1 1.7 1.9 2.7 %
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Chromium (Cr)
Original Sample
pXRF analysis
5 11 73 93 104 ppm
0 50 95 98 100 %tile
Chromium (Cr)
<0.063 mm
Aqua regia
4 16 49 77 86 ppm
0 50 95 98 100 %tile
Chromium (Cr)
<2 mm
4-acid
9 30 76 92 153 ppm
0 50 95 98 100 %tile
Chromium (Cr)
<0.063 mm
4-acid
9 35 63 84 93 ppm
0 50 95 98 100 %tile
Chromium (Cr)
<2 mm
Lithium borate fusion
7 37 92 121 239 ppm
0 50 95 98 100 %tile
Chromium (Cr)
<0.063 mm
Lithium borate fusion
7 47 84 103 109 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Copper (Cu)
Original Sample
pXRF analysis
4 17 44 59 119 ppm
0 50 95 98 100 %tile
Copper (Cu)
<0.063 mm
Aqua regia
1 8 43 60 93 ppm
0 50 95 98 100 %tile
Copper (Cu)
<2 mm
4-acid
1 8 32 40 72 ppm
0 50 95 98 100 %tile
Copper (Cu)
<0.063 mm
4-acid
2 11 50 68 111 ppm
0 50 95 98 100 %tile
Copper (Cu)
<2 mm
Lithium borate fusion
3 11 35 40 424 ppm
0 50 95 98 100 %tile
Copper (Cu)
<0.063 mm
Lithium borate fusion
2 11 48 65 106 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80 Km

Iron (Fe)
Original Sample
pXRF analysis
0.2 1.2 2.4 3.1 6.6 %
0 50 95 98 100 %tile
Iron (Fe)
<0.063 mm
Aqua regia
0.4 1.1 2.6 3.0 4.1 %
0 50 95 98 100 %tile
Iron (Fe)
<2 mm
4-acid
0.4 1.5 2.7 3.3 6.8 %
0 50 95 98 100 %tile
Iron (Fe)
<0.063 mm
4-acid
0.6 2.0 3.4 3.8 5.0 %
0 50 95 98 100 %tile
Iron (Fe)
<2 mm
Lithium borate fusion
0.4 1.6 2.7 3.3 7.5 ppm
0 50 95 98 100 %tile
Iron (Fe)
<0.063 mm
Lithium borate fusion
0.6 2.0 3.4 3.9 5.3 %
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Lead (Pb)
Original Sample
pXRF analysis
2 13 21 23 26 ppm
0 50 95 98 100 %tile
Lead (Pb)
<0.063 mm
Aqua regia
2 5 12 16 20 ppm
0 50 95 98 100 %tile
Lead (Pb)
<2 mm
4-acid
4 13 20 22 34 ppm
0 50 95 98 100 %tile
Lead (Pb)
<0.063 mm
4-acid
6 14 23 25 29 ppm
0 50 95 98 100 %tile
Lead (Pb)
<2 mm
Lithium borate fusion
5 14 23 26 34 ppm
0 50 95 98 100 %tile
Lead (Pb)
<0.063 mm
Lithium borate fusion
6 12 20 21 31 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Manganese
Original Sample
pXRF analysis
64 216 385 554 752 ppm
0 50 95 98 100 %tile
Manganese
<0.063 mm
Aqua regia
20 72 241 280 865 ppm
0 50 95 98 100 %tile
Manganese
<2 mm
4-acid
49 213 441 549 1079 ppm
0 50 95 98 100 %tile
Manganese
<0.063 mm
4-acid
100 267 420 492 939 ppm
0 50 95 98 100 %tile
Manganese
<2 mm
Lithium borate fusion
39 220 449 541 1084 ppm
0 50 95 98 100 %tile
Manganese
<0.063 mm
Lithium borate fusion
77 258 426 484 929 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Nickel (Ni)
Original Sample
pXRF analysis
10 42 58 62 86 ppm
0 50 95 98 100 %tile
Nickel (Ni)
<0.063 mm
Aqua regia
1 8 25 40 45 ppm
0 50 95 98 100 %tile
Nickel (Ni)
<2 mm
4-acid
3 13 31 39 76 ppm
0 50 95 98 100 %tile
Nickel (Ni)
<0.063 mm
4-acid
3 16 36 48 54 ppm
0 50 95 98 100 %tile
Nickel (Ni)
<2 mm
Lithium borate fusion
10 11 41 64 136 ppm
0 50 95 98 100 %tile
Nickel (Ni)
<0.063 mm
Lithium borate fusion
10 13 35 47 52 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80 Km

Potassium (K)
Original Sample
pXRF analysis
0.5 1.6 2.3 2.5 3.4 %
0 50 95 98 100 %tile
Potassium (K)
<0.063 mm
Aqua regia
0 0.03 0.15 0.20 0.48 %
0 50 95 98 100 %tile
Potassium (K)
<2 mm
4-acid
0.6 1.8 2.7 2.8 3.2 %
0 50 95 98 100 %tile
Potassium (K)
<0.063 mm
4-acid
0.8 1.6 2.6 2.7 3.9 %
0 50 95 98 100 %tile
Potassium (K)
<2 mm
Lithium borate fusion
0.6 1.8 2.6 2.8 3.2 %
0 50 95 98 100 %tile
Potassium (K)
<0.063 mm
Lithium borate fusion
0.8 1.7 2.5 2.6 4.1 %
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Rubidium (Rb)
Original Sample
pXRF analysis
10 45 89 97 122 ppm
0 50 95 98 100 %tile
Rubidium (Rb)
<0.063 mm
Aqua regia
0.4 4 17 22 38 ppm
0 50 95 98 100 %tile
Rubidium (Rb)
<2 mm
4-acid
16 51 106 115 147 ppm
0 50 95 98 100 %tile
Rubidium (Rb)
<0.063 mm
4-acid
21 45 101 110 168 ppm
0 50 95 98 100 %tile
Rubidium (Rb)
<2 mm
Lithium borate fusion
17 52 98 106 134 ppm
0 50 95 98 100 %tile
Rubidium (Rb)
<0.063 mm
Lithium borate fusion
20 49 95 101 191 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Strontium (Sr)
Original Sample
pXRF analysis
46 191 285 340 819 ppm
0 50 95 98 100 %tile
Strontium (Sr)
<0.063 mm
Aqua regia
2 7 18 28 61 ppm
0 50 95 98 100 %tile
Strontium (Sr)
<2 mm
4-acid
61 208 293 334 845 ppm
0 50 95 98 100 %tile
Strontium (Sr)
<0.063 mm
4-acid
41 189 262 284 849 ppm
0 50 95 98 100 %tile
Strontium (Sr)
<2 mm
Lithium borate fusion
67 206 305 338 896 ppm
0 50 95 98 100 %tile
Strontium (Sr)
<0.063 mm
Lithium borate fusion
48 210 291 310 930 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80 Km

Thorium (Th)
Original Sample
pXRF analysis
1 6 14 16 22 ppm
0 50 95 98 100 %tile
Thorium (Th)
<0.063 mm
Aqua regia
1 5 10 11 26 ppm
0 50 95 98 100 %tile
Thorium (Th)
<2 mm
4-acid
2 6 16 20 24 ppm
0 50 95 98 100 %tile
Thorium (Th)
<0.063 mm
4-acid
3 8 15 16 26 ppm
0 50 95 98 100 %tile
Thorium (Th)
<2 mm
Lithium borate fusion
2 6 13 15 20 ppm
0 50 95 98 100 %tile
Thorium (Th)
<0.063 mm
Lithium borate fusion
3 8 15 17 33 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Titanium (Ti)
Original Sample
pXRF analysis
0.07 0.21 0.37 0.40 0.47 %
0 50 95 98 100 %tile
Titanium (Ti)
<0.063 mm
Aqua regia
0 0.04 0.10 0.12 0.16 %
0 50 95 98 100 %tile
Titanium (Ti)
<2 mm
4-acid
0.06 0.19 0.32 0.35 0.70 %
0 50 95 98 100 %tile
Titanium (Ti)
<0.063 mm
4-acid
0.14 0.27 0.40 0.42 0.54 %
0 50 95 98 100 %tile
Titanium (Ti)
<2 mm
Lithium borate fusion
0.06 0.17 0.30 0.33 0.69 %
0 50 95 98 100 %tile
Titanium (Ti)
<0.063 mm
Lithium borate fusion
0.14 0.26 0.38 0.41 0.50 %
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Uranium (U)
Original Sample
pXRF analysis
2 5 9 21 ppm
0 50 95 98 100 %tile
Uranium (U)
<0.063 mm
Aqua regia
0.2 0.7 3.6 7.3 17 ppm
0 50 95 98 100 %tile
Uranium (U)
<2 mm
4-acid
0.4 1.0 4.1 8.0 19 ppm
0 50 95 98 100 %tile
Uranium (U)
<0.063 mm
4-acid
0.7 1.4 4.4 8.0 18 ppm
0 50 95 98 100 %tile
Uranium (U)
<2 mm
Lithium borate fusion
0.3 1.1 3.8 7.0 17 ppm
0 50 95 98 100 %tile
Uranium (U)
<0.063 mm
Lithium borate fusion
0.7 1.6 4.7 6.7 20 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Vanadium (V)
Original Sample
pXRF analysis
5 40 89 104 175 ppm
0 50 95 98 100 %tile
Vanadium (V)
<0.063 mm
Aqua regia
7 22 54 65 94 ppm
0 50 95 98 100 %tile
Vanadium (V)
<2 mm
4-acid
9 35 66 74 256 ppm
0 50 95 98 100 %tile
Vanadium (V)
<0.063 mm
4-acid
15 47 87 94 145 ppm
0 50 95 98 100 %tile
Vanadium (V)
<2 mm
Lithium borate fusion
12 39 73 77 271 ppm
0 50 95 98 100 %tile
Vanadium (V)
<0.063 mm
Lithium borate fusion
16 46 84 90 146 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80 Km

Zinc (Zn)
Original Sample
pXRF analysis
6 22 41 50 97 ppm
0 50 95 98 100 %tile
Zinc (Zn)
<0.063 mm
Aqua regia
4 13 39 43 133 ppm
0 50 95 98 100 %tile
Zinc (Zn)
<2 mm
4-acid
5 22 40 52 106 ppm
0 50 95 98 100 %tile
Zinc (Zn)
<0.063 mm
4-acid
8 24 49 57 155 ppm
0 50 95 98 100 %tile
Zinc (Zn)
<2 mm
Lithium borate fusion
5 20 37 49 93 ppm
0 50 95 98 100 %tile
Zinc (Zn)
<0.063 mm
Lithium borate fusion
7 22 46 49 113 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80
Km

Zirconium (Zr)
Original Sample
pXRF analysis
46 185 299 338 484 ppm
0 50 95 98 100 %tile
Zirconium (Zr)
<0.063 mm
Aqua regia
0.4 2 7 12 24 ppm
0 50 95 98 100 %tile
Zirconium (Zr)
<2 mm
4-acid
42 111 190 205 245 ppm
0 50 95 98 100 %tile
Zirconium (Zr)
<0.063 mm
4-acid
123 215 287 350 508 ppm
0 50 95 98 100 %tile
Zirconium (Zr)
<2 mm
Lithium borate fusion
55 167 260 290 379 ppm
0 50 95 98 100 %tile
Zirconium (Zr)
<0.063 mm
Lithium borate fusion
187 369 518 540 737 ppm
0 50 95 98 100 %tile
112°
106°
64°
63°
62°
0 20 40 80 Km