

Table S2. Trace elements in olivine from Bronze Age metallurgical slags of South Urals

Sample	LA-ICP-MS data, ppm												
	N	Co	Ni	Cr	Mn	Ti	V	Cu	As	Zn	Sb	Sn	P
P25-3sh-1	30	<u>41-127</u> 79	<u>167-1451</u> 616	<u>134-2910</u> 777	<u>256-488</u> 352	<u>57-853</u> 357	<u>9-45</u> 26	<u>2030-25200</u> 9280	<u>349-6900</u> 1591	<u>3-48</u> 19	<u>2-20</u> 7	<u>0,6-2</u> 1	<u>138-370</u> 231
3214-718	11	<u>104-199</u> 156	<u>752-2675</u> 1689	<u>354-9900</u> 2905	<u>764-975</u> 872	<u>21-150</u> 59	<u>7.8-33</u> 15	<u>1500-3330</u> 2125	<u>10-44</u> 27	<u>11-16</u> 13	<u>0.15-0.6</u> 0.32	<u>0.8-1.5</u> 1.1	<u>519-1128</u> 744
718-4027	29	<u>101-319</u> 255	<u>211-1640</u> 870	<u>177-4800</u> 1397	<u>839-1411</u> 1253	<u>28-840</u> 131	<u>4.6-106</u> 15.6	<u>886-9900</u> 2968	<u>1-94</u> 26	<u>24-36</u> 28	<u>0-1.1</u> 0.23	<u>0.7-3.5</u> 1.2	<u>190-511</u> 309
161y-10656	10	<u>71-279</u> 170	<u>143-1114</u> 465	<u>18-308</u> 108	<u>2200-3733</u> 3071	<u>136-1920</u> 669	<u>11-76</u> 36	<u>607-4800</u> 2784	<u>14-8130</u> 1534	<u>135-192</u> 161	<u>0.1-9.7</u> 3.1	<u>0.5-4.8</u> 1.6	<u>234-1433</u> 771
w641-10-23	28	<u>61-318</u> 152	<u>71-1384</u> 395	<u>719-7900</u> 2144	<u>591-805</u> 676	<u>76-1320</u> 313	<u>25-172</u> 57	<u>122-5400</u> 1358	<u>8-280</u> 74	<u>25-60</u> 36	<u>0.05-2.6</u> 0.3	<u>0.6-2.1</u> 1	<u>64-143</u> 94

Note. Analyses were carried out using Agilent 7700x mass-spectrometer with laser attachment New Wave Research UP-213 (operator D.A. Artemyev), Institute of mineralogy SU FRC MG UB RAS (Miass). Sample 25-3sh-1 Turganik settlement, 3214-718 and 718-4027 - Kamenny Ambar settlement, 161y-10656 - Ustye settlement, w641-10-23 - Sarym-Sakly settlement; N - number of analysis, dash – element is not detected.