

Tarbay & Maróti (2023) Archeometriai Műhely 2023/1 Appendix 1. •

Appendix 1.: Handheld XRF results of the 103 objects found at the Budakeszi-Őzvölgy-tető site (Pest County, Hungary). The concentrations are listed in mass percent (m%) units in their significant digits together with their standard deviation. For As* the K_{α} and/or K_{β} peaks of arsenic were identified using bAxil software (www.brightspec.be). <LOD stands for ‘under limit of detection’ and its value is shown for each element. The detection limit of As and Sn is higher when the Pb content is more than 90 m%. The limit of detection values is higher than those indicated in the header of the table are highlighted in the table cells in brackets after the <LOD of the specific element. Abbreviations of Object and Context ID: A – Budakeszi Hoard A; B – Budakeszi Hoard B; S – Budakeszi stray finds; p-c ingot – plano-convex ingot.

1. melléklet: A Budakeszi-Őzvölgy-tető lelőhelyről (Pest megye) származó 103 tárgy kézi XRF vizsgálata. A koncentrációkat tömegszázalék (m%) mértékegységben, szignifikáns számjegyeikkel a szórással együtt tüntettük fel. Az As* esetében az arzén K_{α} és/vagy K_{β} csúcsait a bAxil szoftver (www.brightspec.be) azonosítottuk. A < LOD a „kimutatási határérték alatt” rövidítése, és értéke minden elem esetén fel van tüntetve. Az As és az Sn kimutatási határa magasabb, ha a Pb-tartalom több mint 90 m%. A táblázat fejlécében feltüntetett értékeknél magasabb kimutatási határértékek a táblázat celláiban az adott elem <LOD-ja után zárójelben vannak kiemelve. Tárgyak és kontextusok rövidítése: A – Budakeszi, A depó; B – Budakeszi B depó; S – Budakeszi szórványok; p-c ingot – öntőlepenyek.

Measurement ID	Object ID	References (Tarbay 2022)	Types <i>LOD</i>	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
				<i>0,01</i>	<i>0,013</i>	<i>0,09</i>	<i>0,07</i>	<i>0,013</i>	<i>0,06</i>	<i>0,04</i>	<i>0,01</i>	<i>0,03</i>	<i>0,04</i>	<i>0,0004</i>
1	A1	Pl. 1.1.	spearhead	65.5 ± 0.2	12.9 ± 0.4	10.1 ± 0.3	4.8 ± 0.1	4.8 ± 0.1	<LOD	0.53 ± 0.01	0.89 ± 0.03	0.34 ± 0.01	0.12 ± 0.02	0.079 ± 0.002
2	A1	Pl. 1.1.	spearhead	60.7 ± 0.2	15.3 ± 0.5	10.5 ± 0.3	5.2 ± 0.1	5.1 ± 0.1	<LOD	0.55 ± 0.01	1.8 ± 0.04	0.40 ± 0.02	0.15 ± 0.02	0.098 ± 0.002
3	A1	Pl. 1.1.	spearhead	61.1 ± 0.2	14.7 ± 0.4	11.4 ± 0.4	4.9 ± 0.1	5.3 ± 0.1	<LOD	0.57 ± 0.01	1.2 ± 0.03	0.44 ± 0.02	0.17 ± 0.02	0.110 ± 0.002
4	A2	Pl. 1.2.	spearhead	49.3 ± 0.2	24.9 ± 0.8	20.6 ± 0.6	0.62 ± 0.03	0.18 ± 0.01	<LOD	3.60 ± 0.05	0.13 ± 0.01	<LOD	0.63 ± 0.04	0.180 ± 0.004
5	A2	Pl. 1.2.	spearhead	44.9 ± 0.2	27.8 ± 0.8	21.7 ± 0.7	0.62 ± 0.03	0.23 ± 0.01	<LOD	3.60 ± 0.05	0.19 ± 0.01	<LOD	0.68 ± 0.04	0.250 ± 0.005
6	A3	Pl. 1.3.	socketed axe	53.8 ± 0.2	28.9 ± 0.9	11.3 ± 0.4	0.87 ± 0.03	1.50 ± 0.04	<LOD	0.99 ± 0.02	1.8 ± 0.05	0.33 ± 0.02	0.29 ± 0.03	0.091 ± 0.002
7	A3	Pl. 1.3.	socketed axe	49.3 ± 0.2	32 ± 1	11.0 ± 0.3	1.1 ± 0.03	2.20 ± 0.05	<LOD	1.10 ± 0.02	2.4 ± 0.06	0.41 ± 0.02	0.32 ± 0.03	0.110 ± 0.003
8	A4	Pl. 2.4.	socketed axe	55.5 ± 0.2	24.1 ± 0.7	11.8 ± 0.4	4.0 ± 0.1	2.20 ± 0.05	<LOD	0.84 ± 0.02	1.3 ± 0.04	<LOD	0.27 ± 0.02	0.075 ± 0.002
9	A4	Pl. 2.4.	socketed axe	47.4 ± 0.2	32 ± 1	12.1 ± 0.4	4.7 ± 0.1	2.20 ± 0.05	<LOD	0.92 ± 0.02	0.69 ± 0.03	<LOD	0.33 ± 0.03	0.096 ± 0.003
10	A4	Pl. 2.4.	socketed axe	55.6 ± 0.2	23.8 ± 0.7	12.2 ± 0.4	4.2 ± 0.1	2.20 ± 0.05	<LOD	0.80 ± 0.02	0.79 ± 0.03	<LOD	0.28 ± 0.03	0.089 ± 0.002
11	A5	Pl. 2.5.	socketed axe	64.4 ± 0.2	22.9 ± 0.7	10.9 ± 0.3	<LOD	0.05 ± 0.01	<LOD	1.20 ± 0.02	0.18 ± 0.01	<LOD	0.2 ± 0.02	0.064 ± 0.002
12	A5	Pl. 2.5.	socketed axe	70.3 ± 0.2	18.9 ± 0.6	9.7 ± 0.3	<LOD	0.03 ± 0.01	<LOD	0.93 ± 0.02	0.05 ± 0.01	<LOD	0.16 ± 0.02	0.036 ± 0.001
13	A6	Pl. 2.6.	socketed axe	43.1 ± 0.2	40 ± 1	12.6 ± 0.4	0.87 ± 0.03	0.15 ± 0.01	<LOD	2.00 ± 0.03	0.44 ± 0.02	<LOD	0.47 ± 0.04	0.065 ± 0.002
14	A6	Pl. 2.6.	socketed axe	36.9 ± 0.1	45 ± 1	13.5 ± 0.4	0.91 ± 0.03	0.23 ± 0.01	<LOD	2.10 ± 0.03	0.41 ± 0.02	<LOD	0.51 ± 0.04	0.058 ± 0.002
15	A7	Pl. 2.7.	socketed axe	56.0 ± 0.2	25.9 ± 0.8	13.5 ± 0.4	2.7 ± 0.1	0.06 ± 0.01	<LOD	1.10 ± 0.02	0.31 ± 0.02	<LOD	0.23 ± 0.02	0.074 ± 0.002
16	A7 fracture surface	Pl. 2.7.	socketed axe	10.3 ± 0.05	85 ± 2	3.2 ± 0.1	0.89 ± 0.03	<LOD	<LOD	<LOD	0.31 ± 0.02	<LOD	0.33 ± 0.04	0.0040 ± 0.0001
17	A8	Pl. 2.8.	socketed axe	51.2 ± 0.2	29.2 ± 0.9	8.3 ± 0.3	9.2 ± 0.2	0.88 ± 0.02	<LOD	0.70 ± 0.05	0.22 ± 0.01	0.039 ± 0.005	0.2 ± 0.02	0.044 ± 0.001
18	A8	Pl. 2.8.	socketed axe	60.4 ± 0.2	18.2 ± 0.6	9.2 ± 0.3	9.9 ± 0.2	1.00 ± 0.03	<LOD	0.80 ± 0.05	0.24 ± 0.01	0.031 ± 0.004	0.16 ± 0.02	0.053 ± 0.001
19	A9	Pl. 3.9.	socketed axe	51.3 ± 0.2	41 ± 1	2.9 ± 0.1	0.16 ± 0.02	2.80 ± 0.06	<LOD	<LOD	2.00 ± 0.05	<LOD	0.32 ± 0.03	0.085 ± 0.002
20	A9	Pl. 3.9.	socketed axe	37.5 ± 0.2	54 ± 2	3.6 ± 0.1	0.21 ± 0.02	1.10 ± 0.03	<LOD	0.58 ± 0.02	2.80 ± 0.07	<LOD	0.34 ± 0.03	0.170 ± 0.004

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
21	A10	Pl. 3.10.	socketed axe	68.0 ± 0.2	4.0 ± 0.1	8.5 ± 0.3	16.5 ± 0.3	0.72 ± 0.02	<LOD	0.84 ± 0.02	1.20 ± 0.03	0.031 ± 0.006	0.10 ± 0.01	0.049 ± 0.001
22	A11	Pl. 3.11.	socketed axe	60.9 ± 0.2	5.1 ± 0.2	6.6 ± 0.2	8.5 ± 0.1	13.8 ± 0.3	<LOD	0.48 ± 0.01	3.90 ± 0.09	0.42 ± 0.02	0.10 ± 0.01	0.200 ± 0.004
23	A11	Pl. 3.11.	socketed axe	63.0 ± 0.2	6.5 ± 0.2	6.3 ± 0.2	8.0 ± 0.1	11.8 ± 0.2	<LOD	0.44 ± 0.01	3.40 ± 0.08	0.37 ± 0.02	0.09 ± 0.01	0.170 ± 0.004
24	A12	Pl. 3.12.	socketed axe	3.00 ± 0.03	92 ± 3	1.49 ± 0.1	0.66 ± 0.03	<LOD	<LOD	1.80 ± 0.03	0.28 ± 0.02	<LOD	0.37 ± 0.04	0.016 ± 0.006
25	A12	Pl. 3.12.	socketed axe	13.1 ± 0.06	70 ± 2	10.4 ± 0.3	3.5 ± 0.1	<LOD	<LOD	1.30 ± 0.02	0.39 ± 0.02	<LOD	0.43 ± 0.04	0.160 ± 0.008
26	A13	Pl. 3.13.	socketed axe	51.8 ± 0.2	33 ± 1	10.6 ± 0.3	3.5 ± 0.1	0.04 ± 0.01	<LOD	1.00 ± 0.02	0.11 ± 0.01	<LOD	0.33 ± 0.03	0.044 ± 0.002
27	A13	Pl. 3.13.	socketed axe	55.8 ± 0.2	31.2 ± 0.9	8.8 ± 0.3	2.7 ± 0.1	0.16 ± 0.01	<LOD	0.71 ± 0.02	0.22 ± 0.01	<LOD	0.30 ± 0.03	0.041 ± 0.001
28	A14	Pl. 3.14.	knobbed sickle	72.5 ± 0.2	7.58 ± 0.2	14.6 ± 0.4	2.7 ± 0.1	0.40 ± 0.01	<LOD	1.54 ± 0.02	0.093 ± 0.01	<LOD	0.25 ± 0.02	0.110 ± 0.002
29	A14	Pl. 3.14.	knobbed sickle	76.4 ± 0.3	8.3 ± 0.3	11.1 ± 0.3	2.0 ± 0.1	0.24 ± 0.01	<LOD	1.20 ± 0.02	0.56 ± 0.02	<LOD	0.20 ± 0.02	0.047 ± 0.001
30	A14	Pl. 3.14.	knobbed sickle	77.2 ± 0.3	6.2 ± 0.2	12.6 ± 0.4	1.9 ± 0.04	0.24 ± 0.01	<LOD	1.39 ± 0.02	0.36 ± 0.01	<LOD	0.20 ± 0.02	0.075 ± 0.002
31	A15	Pl. 3.15.	flanged sickle	31.0 ± 0.1	53 ± 2	12.4 ± 0.4	0.27 ± 0.02	<LOD	<LOD	2.36 ± 0.03	0.11 ± 0.01	<LOD	0.53 ± 0.04	0.0100 ± 0.0005
32	A15	Pl. 3.15.	flanged sickle	57.3 ± 0.2	33 ± 1	7.9 ± 0.3	0.15 ± 0.02	<LOD	<LOD	1.20 ± 0.02	0.085 ± 0.01	<LOD	0.28 ± 0.03	0.032 ± 0.001
33	A16	Pl. 3.16.	gouge/chisel/awl	65.8 ± 0.2	2.9 ± 0.1	2.2 ± 0.1	27.4 ± 0.5	0.70 ± 0.02	<LOD	0.49 ± 0.01	0.31 ± 0.02	<LOD	<LOD	0.0220 ± 0.0006
34	A16	Pl. 3.16.	gouge/chisel/awl	57.4 ± 0.2	4.8 ± 0.2	2.5 ± 0.1	33.4 ± 0.5	0.78 ± 0.02	<LOD	0.60 ± 0.01	0.25 ± 0.02	<LOD	<LOD	0.039 ± 0.001
35	A17	Pl. 3.17.	spiral bracelet	80.4 ± 0.3	2.2 ± 0.1	1.2 ± 0.1	15.2 ± 0.2	0.27 ± 0.01	<LOD	0.47 ± 0.01	0.25 ± 0.01	<LOD	0.13 ± 0.01	0.0080 ± 0.0003
36	A18	Pl. 3.18.	spiral bracelet	49.0 ± 0.2	2.1 ± 0.1	1.4 ± 0.1	44.1 ± 0.7	1.02 ± 0.03	<LOD	0.66 ± 0.04	2.39 ± 0.06	0.051 ± 0.008	0.07 ± 0.01	0.0130 ± 0.0006
37	A19	Pl. 3.19.	bracelet	66.5 ± 0.2	6.7 ± 0.2	5.3 ± 0.2	19.2 ± 0.3	0.69 ± 0.02	<LOD	1.10 ± 0.02	0.29 ± 0.02	<LOD	0.20 ± 0.02	0.061 ± 0.001
38	A20	Pl. 4.20.	annular rings	80.7 ± 0.3	1.8 ± 0.1	1.30 ± 0.05	15.2 ± 0.2	0.27 ± 0.01	<LOD	0.44 ± 0.01	0.25 ± 0.01	0.022 ± 0.004	0.15 ± 0.01	0.0180 ± 0.0004
39	A21	Pl. 4.21.	ring	61.1 ± 0.2	1.2 ± 0.05	2.4 ± 0.1	33.1 ± 0.5	0.37 ± 0.02	<LOD	0.44 ± 0.01	1.25 ± 0.04	<LOD	0.060 ± 0.008	0.036 ± 0.001

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
40	A22	Pl. 4.22.	ring	48.7 ± 0.2	5.9 ± 0.2	2.4 ± 0.1	40.7 ± 0.6	0.41 ± 0.02	<LOD	0.75 ± 0.02	1.05 ± 0.04	<LOD	0.140 ± 0.015	0.046 ± 0.001
41	A23	Pl. 4.23.	ring	31.8 ± 0.1	2.2 ± 0.1	1.20 ± 0.05	63 ± 1	<LOD	<LOD	0.76 ± 0.02	1.28 ± 0.04	<LOD	0.25 ± 0.02	0.022 ± 0.001
42	A23	Pl. 4.23.	ring	34.2 ± 0.1	2.3 ± 0.1	1.10 ± 0.04	60 ± 1	<LOD	<LOD	0.76 ± 0.02	1.13 ± 0.04	<LOD	0.28 ± 0.02	0.0220 ± 0.0004
43	A24	Pl. 4.24.	ring	71.4 ± 0.3	2.2 ± 0.1	1.8 ± 0.1	23.0 ± 0.4	0.87 ± 0.12	<LOD	<LOD	0.7 ± 0.1	<LOD	0.090 ± 0.005	0.0310 ± 0.0008
44	A25	Pl. 4.25.	ring	52.9 ± 0.2	7.5 ± 0.2	2.8 ± 0.1	34.5 ± 0.5	0.41 ± 0.15	<LOD	0.85 ± 0.15	0.94 ± 0.15	<LOD	0.21 ± 0.01	0.065 ± 0.002
45	A26	Pl. 4.26.	ring	46.1 ± 0.2	5.5 ± 0.2	2.5 ± 0.1	43.8 ± 0.7	0.20 ± 0.03	<LOD	0.87 ± 0.16	0.92 ± 0.16	<LOD	0.25 ± 0.01	0.058 ± 0.002
46	A27	Pl. 4.27.	ring	75.8 ± 0.3	5.2 ± 0.2	2.1 ± 0.1	15.7 ± 0.3	0.16 ± 0.01	<LOD	0.77 ± 0.10	0.07 ± 0.01	<LOD	0.21 ± 0.01	0.026 ± 0.001
47	A28	Pl. 4.28.	ring	70.3 ± 0.3	3.2 ± 0.1	1.8 ± 0.1	22.6 ± 0.4	0.14 ± 0.03	<LOD	0.61 ± 0.12	1.3 ± 0.1	0.044 ± 0.007	0.130 ± 0.007	0.025 ± 0.001
48	A29	Pl. 4.29.	ring	66.2 ± 0.2	3.0 ± 0.1	5.0 ± 0.2	22.9 ± 0.4	0.20 ± 0.02	<LOD	2.34 ± 0.12	0.14 ± 0.12	<LOD	0.22 ± 0.01	0.093 ± 0.002
49	A30	Pl. 4.30.	ring	74.5 ± 0.3	3.0 ± 0.1	2.3 ± 0.1	17.5 ± 0.3	0.41 ± 0.01	<LOD	0.56 ± 0.10	1.4 ± 0.1	0.12 ± 0.009	0.17 ± 0.01	0.031 ± 0.001
50	A31	Pl. 4.31.	ring	65.5 ± 0.2	1.9 ± 0.1	2.3 ± 0.1	28.8 ± 0.5	0.17 ± 0.01	<LOD	0.91 ± 0.13	0.17 ± 0.01	<LOD	0.22 ± 0.01	0.046 ± 0.001
51	A32	Pl. 4.32.	ring	64.9 ± 0.2	2.9 ± 0.1	3.8 ± 0.1	26.2 ± 0.4	0.57 ± 0.01	<LOD	1.05 ± 0.12	0.31 ± 0.03	<LOD	0.24 ± 0.01	0.062 ± 0.001
52	A33	Pl. 4.33.	ring	85.7 ± 0.3	2.7 ± 0.1	1.20 ± 0.05	5.2 ± 0.1	0.38 ± 0.06	<LOD	0.60 ± 0.06	3.8 ± 0.1	0.28 ± 0.01	0.25 ± 0.01	0.100 ± 0.002
53	A34	Pl. 4.34.	ring	74.8 ± 0.3	2.2 ± 0.1	2.4 ± 0.1	19.3 ± 0.3	0.30 ± 0.01	<LOD	0.67 ± 0.11	0.22 ± 0.02	<LOD	0.070 ± 0.004	0.035 ± 0.001
54	A35	Pl. 4.35.	ring	54.8 ± 0.2	3.7 ± 0.1	4.4 ± 0.1	34.9 ± 0.5	0.13 ± 0.01	<LOD	1.59 ± 0.15	0.48 ± 0.03	<LOD	0.23 ± 0.01	0.052 ± 0.001
55	A36	Pl. 4.36.	ring	44.8 ± 0.2	1.8 ± 0.1	3.3 ± 0.1	48.0 ± 0.7	0.07 ± 0.01	<LOD	1.44 ± 0.18	0.59 ± 0.04	<LOD	0.23 ± 0.01	0.086 ± 0.002
56	A37	Pl. 4.37.	ring	61.9 ± 0.2	10.9 ± 0.3	2.6 ± 0.1	23.0 ± 0.4	0.09 ± 0.01	<LOD	1.21 ± 0.12	0.12 ± 0.01	<LOD	0.28 ± 0.01	0.035 ± 0.001
57	A38	Pl. 4.38.	ring	70.2 ± 0.2	4.2 ± 0.1	2.0 ± 0.1	21.6 ± 0.3	0.91 ± 0.11	<LOD	0.53 ± 0.11	0.36 ± 0.03	0.045 ± 0.005	0.14 ± 0.01	0.027 ± 0.001
58	A39	Pl. 5.39.	bracelet	61.7 ± 0.2	28.9 ± 0.9	6.6 ± 0.2	0.22 ± 0.02	0.08 ± 0.01	<LOD	1.79 ± 0.02	0.24 ± 0.02	<LOD	0.46 ± 0.02	0.076 ± 0.002
59	A40	Pl. 5.40.	bracelet	66.5 ± 0.2	25.4 ± 0.8	6.9 ± 0.2	<LOD	0.20 ± 0.05	<LOD	0.56 ± 0.05	0.26 ± 0.05	<LOD	0.23 ± 0.01	0.046 ± 0.001

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
60	A41	Pl. 5.41.	bracelet	94.1 ± 0.3	1.00 ± 0.04	2.1 ± 0.1	2.5 ± 0.1	0.34 ± 0.04	<LOD	<LOD	0.09 ± 0.01	<LOD	<LOD	0.0130 ± 0.0003
61	A42	Pl. 5.42.	ring	60.7 ± 0.2	17.7 ± 0.5	8.9 ± 0.3	10.1 ± 0.2	0.35 ± 0.07	<LOD	1.66 ± 0.07	0.05 ± 0.01	<LOD	0.34 ± 0.02	0.071 ± 0.002
62	A43	Pl. 5.43.	bar ingot	20.7 ± 0.09	67 ± 2	10.8 ± 0.3	0.19 ± 0.02	0.08 ± 0.02	<LOD	<LOD	0.13 ± 0.02	<LOD	0.33 ± 0.02	0.43 ± 0.01
63	A44 gray surface	Pl. 5.44.	bar ingot	0.70 ± 0.01	97 ± 3	0.80 ± 0.04	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.40 ± 0.02	<LOD
64	A44 green surface (top)	Pl. 5.44.	bar ingot	56.5 ± 0.2	36 ± 1	7.5 ± 0.2	<LOD	<LOD	<LOD	<LOD	0.10 ± 0.01	<LOD	0.21 ± 0.01	0.043 ± 0.001
65	A45 gray surface (bottom)	Pl. 5.45.	droplet	66.5 ± 0.2	25.4 ± 0.8	6.9 ± 0.2	<LOD	0.19 ± 0.03	<LOD	0.56 ± 0.05	0.26 ± 0.05	<LOD	0.23 ± 0.01	0.046 ± 0.001
66	A45 gray surface (bottom)	Pl. 5.45.	droplet	88.5 ± 0.3	10.7 ± 0.3	0.80 ± 0.03	<LOD	<LOD	<LOD	<LOD	0.07 ± 0.01	<LOD	0.12 ± 0.01	0.0028 ± 0.0002
67	A46 green surface (top)	Pl. 6.46.	p-c ingot	77.6 ± 0.3	4.0 ± 0.1	10.8 ± 0.3	<LOD	0.87 ± 0.08	<LOD	1.52 ± 0.08	4.3 ± 0.1	0.94 ± 0.03	0.090 ± 0.005	0.0240 ± 0.0006
68	A46 green surface (bottom)	Pl. 6.46.	p-c ingot	81.4 ± 0.3	2.6 ± 0.1	8.5 ± 0.3	<LOD	0.66 ± 0.07	<LOD	1.17 ± 0.07	4.8 ± 0.1	0.84 ± 0.03	0.070 ± 0.004	0.0210 ± 0.0005
69	A47 brown surface (bottom)	Pl. 5.47.	p-c ingot	1.00 ± 0.01	98 ± 2	0.30 ± 0.02	0.37 ± 0.02	<LOD	<LOD	<LOD	0.12 ± 0.02	<LOD	0.36 ± 0.02	<LOD
70	A47 greenish-gray surface (top)	Pl. 5.47.	p-c ingot	41.4 ± 0.2	51 ± 2	6.6 ± 0.2	0.11 ± 0.01	<LOD	<LOD	<LOD	0.28 ± 0.01	<LOD	0.27 ± 0.01	0.067 ± 0.002
71	A48 dark-gray surface (bottom)	Pl. 7.48.	p-c ingot	68.2 ± 0.2	1.40 ± 0.05	21.7 ± 0.7	<LOD	0.58 ± 0.07	<LOD	1.52 ± 0.07	6.5 ± 0.2	<LOD	0.080 ± 0.004	0.070 ± 0.001
72	A48 greenish-brown surface (top)	Pl. 7.48.	p-c ingot	73.3 ± 0.3	2.0 ± 0.1	14.9 ± 0.5	<LOD (0.11)	7.2 ± 0.2	<LOD	0.91 ± 0.02	1.06 ± 0.03	0.54 ± 0.02	0.080 ± 0.004	0.032 ± 0.001
73	A49 gray surface (bottom)	Pl. 7.49.	p-c ingot	81.4 ± 0.3	1.30 ± 0.05	12.6 ± 0.4	<LOD	<LOD	0.44 ± 0.02	1.55 ± 0.07	2.49 ± 0.08	<LOD	0.32 ± 0.02	0.052 ± 0.001
74	A49 gray surface (top)	Pl. 7.49.	p-c ingot	90.2 ± 0.3	0.80 ± 0.03	2.3 ± 0.1	<LOD	<LOD	0.86 ± 0.02	0.59 ± 0.06	5.1 ± 0.1	<LOD	0.060 ± 0.003	0.0120 ± 0.0003

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
75	A50 gray surface (bottom)	Pl. 8.50.	p-c ingot	7.6 ± 0.05	89 ± 2	1.6 ± 0.1	0.27 ± 0.02	<LOD	<LOD	<LOD	0.62 ± 0.02	<LOD	0.50 ± 0.03	<LOD
76	A50 gray surface (top)	Pl. 8.50.	p-c ingot	49.9 ± 0.2	28.4 ± 0.9	19.4 ± 0.6	<LOD	0.12 ± 0.01	<LOD	1.69 ± 0.07	0.11 ± 0.06	<LOD	0.27 ± 0.01	0.110 ± 0.003
77	A51 grayish-green surface (top)	Pl. 8.51.	p-c ingot	68.0 ± 0.2	21.4 ± 0.6	9.0 ± 0.3	<LOD	0.14 ± 0.02	<LOD	0.97 ± 0.06	0.44 ± 0.06	<LOD	0.21 ± 0.01	0.020 ± 0.001
78	A51 gray surface (bottom)	Pl. 8.51.	p-c ingot	5.40 ± 0.04	92 ± 2	1.10 ± 0.05	0.33 ± 0.02	<LOD	<LOD	<LOD	0.38 ± 0.02	<LOD	0.38 ± 0.02	<LOD
79	A52 gray surface (bottom)	Pl. 8.52.	p-c ingot	80.8 ± 0.3	1.6 ± 0.1	12.2 ± 0.4	<LOD	0.11 ± 0.02	<LOD	1.36 ± 0.07	3.9 ± 0.1	<LOD	0.15 ± 0.01	0.049 ± 0.001
80	A52 gray surface (top)	Pl. 8.52.	p-c ingot	80.6 ± 0.3	4.8 ± 0.2	10.2 ± 0.3	<LOD	0.64 ± 0.07	<LOD	1.02 ± 0.07	2.4 ± 0.1	0.18 ± 0.01	0.19 ± 0.01	0.082 ± 0.002
81	A53 grayish-green surface (bottom)	Pl. 8.53.	p-c ingot	81.4 ± 0.3	2.4 ± 0.1	13.8 ± 0.4	<LOD	0.24 ± 0.06	<LOD	1.31 ± 0.06	0.81 ± 0.06	<LOD	0.20 ± 0.01	0.074 ± 0.002
82	A53 grayish-brown surface (top)	Pl. 8.53.	p-c ingot	68.7 ± 0.2	20.5 ± 0.6	7.4 ± 0.2	<LOD	0.22 ± 0.07	<LOD	2.26 ± 0.07	0.65 ± 0.07	<LOD	0.43 ± 0.02	0.089 ± 0.002
83	A54 grayish-green surface (bottom)	Pl. 9.54.	p-c ingot	68.6 ± 0.2	2.7 ± 0.1	21.5 ± 0.7	<LOD	<LOD	0.41 ± 0.02	1.66 ± 0.07	4.9 ± 0.1	<LOD	0.20 ± 0.01	0.036 ± 0.001
84	A54 grayish-green surface (top)	Pl. 9.54.	p-c ingot	49.4 ± 0.2	10.7 ± 0.3	31.0 ± 0.9	<LOD (0.09)	0.060 ± 0.001	<LOD	7.1 ± 0.1	0.78 ± 0.09	<LOD	0.88 ± 0.04	0.130 ± 0.003
85	A55 gray surface (bottom)	Pl. 9.55.	p-c ingot	67.0 ± 0.2	2.1 ± 0.1	24.5 ± 0.7	<LOD (0.08)	0.080 ± 0.001	<LOD	1.96 ± 0.08	4.1 ± 0.1	<LOD	0.15 ± 0.01	0.037 ± 0.001
86	A55 grayish-brown surface (top)	Pl. 9.55.	p-c ingot	53.9 ± 0.2	1.7 ± 0.1	31.0 ± 0.9	<LOD (0.13)	0.98 ± 0.07	<LOD	10.7 ± 0.2	0.51 ± 0.03	<LOD	0.95 ± 0.05	0.120 ± 0.003
87	A56 grayish-green surface (bottom)	Pl. 9.56.	p-c ingot	81.9 ± 0.3	1.00 ± 0.04	15.2 ± 0.5	<LOD	<LOD	<LOD	1.04 ± 0.06	0.91 ± 0.07	<LOD	0.18 ± 0.01	0.026 ± 0.0006

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
88	A56 grayish-brown surface (side)	Pl. 9.56.	p-c ingot	66.6 ± 0.3	8.4 ± 0.3	22.3 ± 0.7	<LOD (0.10)	<LOD	<LOD	1.8 ± 0.1	0.36 ± 0.03	<LOD	0.59 ± 0.03	<LOD
89	A57 grayish-brown surface	Pl. 9.57.	p-c ingot	59.1 ± 0.2	3.0 ± 0.1	0.80 ± 0.06	<LOD	4.0 ± 0.1	<LOD	<LOD	33.2 ± 0.7	<LOD	<LOD	0.070 ± 0.002
90	A57 grayish-green surface	Pl. 9.57.	p-c ingot	73.6 ± 0.3	8.2 ± 0.3	5.9 ± 0.2	<LOD	8.5 ± 0.2	<LOD	1.13 ± 0.02	2.0 ± 0.1	0.19 ± 0.01	0.31 ± 0.02	0.280 ± 0.006
91	A58 gray surface (bottom)	Pl. 10.58.	p-c ingot	3.90 ± 0.03	92 ± 2	3.3 ± 0.1	<LOD	<LOD	<LOD	<LOD	0.050 ± 0.003	<LOD	0.39 ± 0.02	<LOD
92	A58 grayish-green surface (top)	Pl. 10.58.	p-c ingot	48.3 ± 0.2	24.9 ± 0.8	22.8 ± 0.7	<LOD	0.15 ± 0.03	<LOD	2.65 ± 0.07	0.97 ± 0.07	<LOD	0.19 ± 0.01	0.150 ± 0.003
93	A59 dark gray surface (bottom)	Pl. 10.59.	p-c ingot	91.3 ± 0.3	0.60 ± 0.03	5.4 ± 0.2	<LOD	<LOD	<LOD	0.35 ± 0.05	2.38 ± 0.07	<LOD	0.04 ± 0.002	0.0230 ± 0.0005
94	A59 grayish-green surface (top)	Pl. 10.59.	p-c ingot	80.9 ± 0.3	2.3 ± 0.1	5.1 ± 0.2	<LOD	<LOD	0.41 ± 0.02	0.47 ± 0.06	10.6 ± 0.2	0.07 ± 0.01	0.070 ± 0.004	0.039 ± 0.001
95	A60 grayish-green surface (bottom)	Pl. 10.60.	p-c ingot	80.6 ± 0.3	1.8 ± 0.1	13.5 ± 0.4	<LOD	<LOD	<LOD	2.54 ± 0.07	0.45 ± 0.07	<LOD	1.24 ± 0.06	0.060 ± 0.001
96	A60 grayish-green surface (top)	Pl. 10.60.	p-c ingot	78.1 ± 0.3	1.00 ± 0.04	16.3 ± 0.5	<LOD (0.08)	<LOD	<LOD	3.37 ± 0.09	0.38 ± 0.08	<LOD	1.04 ± 0.05	0.081 ± 0.002
97	A61 greenish-brown surface (side)	Pl. 10.61.	p-c ingot	89.7 ± 0.3	0.10 ± 0.01	0.70 ± 0.03	<LOD	0.79 ± 0.07	<LOD	<LOD	8.8 ± 0.2	0.092 ± 0.01	<LOD	0.0040 ± 0.0001
98	A61 greenish-brown surface (bottom)	Pl. 10.61.	p-c ingot	79.2 ± 0.3	1.5 ± 0.1	6.3 ± 0.2	0.69 ± 0.02	6.5 ± 0.1	<LOD	0.70 ± 0.02	5.0 ± 0.1	0.21 ± 0.01	<LOD	0.220 ± 0.004
99	A62 grayish-green surface (bottom)	Pl. 10.62.	p-c ingot	75.3 ± 0.3	7.8 ± 0.2	14 ± 0.4	<LOD	<LOD	<LOD	1.31 ± 0.07	1.42 ± 0.08	<LOD	0.30 ± 0.02	0.0310 ± 0.0008

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
100	A62 grayish-green surface (top)	Pl. 10.62.	p-c ingot	27.6 ± 0.1	47 ± 1	21.8 ± 0.7	<LOD (0.14)	<LOD	<LOD	2.11 ± 0.03	0.37 ± 0.02	<LOD	0.66 ± 0.03	0.310 ± 0.007
101	A63 gray surface (bottom)	Pl. 10.63.	p-c ingot	79.0 ± 0.3	5.3 ± 0.2	10.4 ± 0.3	<LOD	0.27 ± 0.07	<LOD	3.53 ± 0.08	0.28 ± 0.07	<LOD	1.12 ± 0.06	0.110 ± 0.002
102	A63 grayish-green surface (top)	Pl. 10.63.	p-c ingot	78.5 ± 0.3	6.1 ± 0.2	9.3 ± 0.3	<LOD	0.22 ± 0.07	<LOD	4.67 ± 0.09	0.35 ± 0.07	<LOD	0.73 ± 0.04	0.088 ± 0.002
103	A64 gray surface (bottom)	Pl. 10.64.	p-c ingot	39.7 ± 0.1	50 ± 1.5	6.6 ± 0.2	<LOD	<LOD	<LOD	2.53 ± 0.03	1.01 ± 0.03	<LOD	0.37 ± 0.02	0.047 ± 0.002
104	A64 brownish-gray surface (top)	Pl. 10.64.	p-c ingot	28 ± 0.1	40 ± 1.2	18.9 ± 0.6	<LOD (0.08)	<LOD	<LOD	12.2 ± 0.15	0.20 ± 0.08	<LOD	0.46 ± 0.02	0.170 ± 0.005
105	A65 grayish-green surface (top)	Pl. 10.65.	p-c ingot	36.0 ± 0.1	53 ± 1.6	6.5 ± 0.2	0.15 ± 0.02	1.43 ± 0.03	<LOD	1.76 ± 0.02	0.73 ± 0.02	<LOD	0.29 ± 0.01	0.098 ± 0.003
106	A65 grayish-green surface (bottom)	Pl. 10.65.	p-c ingot	67.4 ± 0.2	21.2 ± 0.6	5.4 ± 0.2	0.11 ± 0.01	2.78 ± 0.06	<LOD	1.48 ± 0.02	1.04 ± 0.02	0.49 ± 0.02	0.21 ± 0.01	0.042 ± 0.001
107	A66 brownish-gray surface (bottom)	Pl. 10.66.	p-c ingot	77.0 ± 0.3	1.40 ± 0.05	18.7 ± 0.6	<LOD	0.060 ± 0.007	<LOD	1.25 ± 0.07	1.55 ± 0.07	<LOD	0.26 ± 0.01	0.100 ± 0.002
108	A67 gray surface (bottom)	Pl. 10.67.	cuboid ingot	61.3 ± 0.2	29.5 ± 0.9	7.3 ± 0.2	<LOD	0.46 ± 0.05	<LOD	0.70 ± 0.05	0.46 ± 0.05	<LOD	0.28 ± 0.01	0.026 ± 0.001
109	A67 gray surface (top)	Pl. 10.67.	cuboid ingot	61.9 ± 0.2	29.6 ± 0.9	5.7 ± 0.2	0.10 ± 0.01	0.98 ± 0.02	<LOD	0.66 ± 0.01	0.75 ± 0.02	0.078 ± 0.006	0.30 ± 0.02	0.020 ± 0.001
110	A68.1 body	Pl. 11.68.1.	metal cup	53.3 ± 0.2	4.3 ± 0.1	<LOD	41.9 ± 0.6	<LOD	<LOD	<LOD	0.41 ± 0.03	<LOD	0.15 ± 0.01	0.0068 ± 0.0006
111	A68.1 rivet	Pl. 11.68.1.	metal cup	96.6 ± 0.3	0.40 ± 0.02	<LOD	1.16 ± 0.03	<LOD	<LOD	0.50 ± 0.02	1.32 ± 0.04	<LOD	0.060 ± 0.003	0.0031 ± 0.0001
112	A68.1 handle	Pl. 11.68.1.	metal cup	53.3 ± 0.2	0.80 ± 0.03	<LOD	45.5 ± 0.7	<LOD	<LOD	0.37 ± 0.06	0.12 ± 0.01	<LOD	0.050 ± 0.003	0.0076 ± 0.0004
113	B69 midrib	Pl. 11.69.	spearhead	53.6 ± 0.2	3.4 ± 0.1	8.0 ± 0.3	32.4 ± 0.5	0.29 ± 0.05	<LOD	1.71 ± 0.13	0.32 ± 0.02	<LOD	0.19 ± 0.01	0.082 ± 0.002
114	B69	Pl. 11.69.	spearhead	76.4 ± 0.3	2.3 ± 0.1	4.5 ± 0.1	15.5 ± 0.2	0.47 ± 0.08	<LOD	0.90 ± 0.08	0.04 ± 0.01	<LOD	0.10 ± 0.01	0.036 ± 0.001

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
115	B70 midrib	Pl. 11.70.	spearhead	37.4 ± 0.2	3.5 ± 0.1	4.3 ± 0.1	52.0 ± 0.8	1.3 ± 0.2	<LOD	1.0 ± 0.2	0.57 ± 0.05	<LOD	0.15 ± 0.01	0.074 ± 0.002
116	B70	Pl. 11.70.	spearhead	51.8 ± 0.2	2.5 ± 0.1	3.5 ± 0.1	39.5 ± 0.6	1.4 ± 0.1	<LOD	0.77 ± 0.14	0.58 ± 0.06	<LOD	0.10 ± 0.01	0.044 ± 0.001
117	B71	Pl. 11.71.	spearhead	64.1 ± 0.2	2.5 ± 0.1	3.7 ± 0.1	27.4 ± 0.4	0.82 ± 0.07	<LOD	0.79 ± 0.12	0.37 ± 0.03	<LOD	0.11 ± 0.01	0.081 ± 0.002
118	B71	Pl. 11.71.	spearhead	76.8 ± 0.3	2.1 ± 0.1	2.7 ± 0.1	16.4 ± 0.3	1.20 ± 0.08	<LOD	0.51 ± 0.08	0.26 ± 0.05	0.071 ± 0.005	0.080 ± 0.004	0.038 ± 0.001
119	B72	Pl. 12.72.	socketed axe	52.3 ± 0.2	6.6 ± 0.2	8.2 ± 0.3	28.6 ± 0.4	2.0 ± 0.1	<LOD	1.83 ± 0.13	0.18 ± 0.01	<LOD	0.24 ± 0.01	0.069 ± 0.002
120	B73	Pl. 12.73.	socketed axe	74.8 ± 0.3	3.0 ± 0.1	4.7 ± 0.1	16.0 ± 0.3	0.22 ± 0.04	<LOD	1.14 ± 0.09	0.07 ± 0.01	<LOD	0.16 ± 0.01	0.035 ± 0.001
121	B73	Pl. 12.73.	socketed axe	54.0 ± 0.2	6.4 ± 0.2	6.8 ± 0.2	30.3 ± 0.5	0.27 ± 0.05	<LOD	1.74 ± 0.13	0.16 ± 0.01	<LOD	0.19 ± 0.01	0.087 ± 0.002
122	B74	Pl. 13.74.	fibula	44.5 ± 0.2	2.0 ± 0.1	2.3 ± 0.1	49.3 ± 0.8	0.75 ± 0.14	<LOD	0.7 ± 0.1	0.20 ± 0.02	<LOD	0.18 ± 0.01	0.044 ± 0.001
123	B74	Pl. 13.74.	fibula	73.2 ± 0.3	2.3 ± 0.1	2.0 ± 0.1	21.0 ± 0.3	0.28 ± 0.04	<LOD	0.74 ± 0.11	0.42 ± 0.05	<LOD	0.21 ± 0.01	0.020 ± 0.001
124	B75	Pl. 13.75.	fibula	55.7 ± 0.2	2.9 ± 0.1	5.4 ± 0.2	33.1 ± 0.5	0.33 ± 0.06	<LOD	1.85 ± 0.13	0.55 ± 0.13	<LOD	0.35 ± 0.02	0.095 ± 0.002
125	B75	Pl. 13.75.	fibula	69.3 ± 0.3	3.1 ± 0.1	2.3 ± 0.1	24.0 ± 0.4	0.36 ± 0.06	<LOD	0.48 ± 0.13	0.37 ± 0.13	<LOD	0.080 ± 0.004	0.022 ± 0.001
126	S76	Pl. 13.76.	socketed axe	63.4 ± 0.2	10.2 ± 0.3	1.10 ± 0.04	<LOD	3.34 ± 0.09	<LOD	<LOD	21.3 ± 0.4	0.24 ± 0.02	0.13 ± 0.01	0.170 ± 0.004
127	S77	Pl. 13.77.	ring	31.5 ± 0.2	7.5 ± 0.2	2.3 ± 0.1	55.7 ± 0.9	<LOD	<LOD	1.4 ± 0.2	1.3 ± 0.2	<LOD	0.42 ± 0.02	0.035 ± 0.002
128	S78	Pl. 13.78.	ring	75.8 ± 0.3	2.7 ± 0.1	3.6 ± 0.1	15.6 ± 0.3	0.17 ± 0.09	<LOD	1.72 ± 0.09	0.22 ± 0.09	<LOD	0.22 ± 0.01	0.070 ± 0.001
129	S79 greenish-gray surface (top)	Pl. 13.79.	p-c ingot	82.1 ± 0.3	0.60 ± 0.03	13.4 ± 0.4	<LOD	<LOD	<LOD	2.13 ± 0.07	1.56 ± 0.07	<LOD	0.30 ± 0.02	0.110 ± 0.002
130	S79 greenish-gray surface (bottom)	Pl. 13.79.	p-c ingot	87.1 ± 0.3	0.70 ± 0.03	9.3 ± 0.3	<LOD	<LOD	<LOD	2.52 ± 0.08	0.36 ± 0.07	<LOD	0.25 ± 0.01	0.070 ± 0.001
131	S80 greenish-gray surface (bottom)	Pl. 13.80.	p-c ingot	72.9 ± 0.3	15.7 ± 0.5	4.9 ± 0.2	<LOD	<LOD	<LOD	0.95 ± 0.06	5.3 ± 0.1	<LOD	0.20 ± 0.01	0.012 ± 0.001

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
132	S80 greenish-gray surface (top)	Pl. 13.80.	p-c ingot	50.1 ± 0.2	34 ± 1	5.2 ± 0.2	0.11 ± 0.01	<LOD	1.05 ± 0.02	<LOD	9.1 ± 0.2	<LOD	0.30 ± 0.02	0.110 ± 0.003
133	S81 greenish-gray surface (top)	Pl. 13.81.	p-c ingot	68.0 ± 0.2	0.50 ± 0.02	25.8 ± 0.8	<LOD (0.10)	<LOD	<LOD	1.73 ± 0.07	3.8 ± 0.1	<LOD	0.18 ± 0.01	0.130 ± 0.003
134	S81 greenish-gray surface (bottom)	Pl. 13.81.	p-c ingot	77.0 ± 0.3	0.70 ± 0.03	18.8 ± 0.6	<LOD	<LOD	<LOD	2.1 ± 0.1	0.8 ± 0.1	<LOD	0.32 ± 0.02	0.099 ± 0.002
135	S82 brownish-gray surface	Pl. 14.82.	bar ingot	0.90 ± 0.01	96.4 ± 2.9	<LOD	0.34 ± 0.02	<LOD	<LOD	<LOD	1.26 ± 0.03	<LOD	0.44 ± 0.02	<LOD
136	S82 greenish-gray surface	Pl. 14.82.	bar ingot	63.9 ± 0.2	27.6 ± 0.8	7.5 ± 0.2	<LOD	<LOD	<LOD	0.51 ± 0.05	0.27 ± 0.05	<LOD	0.26 ± 0.01	0.022 ± 0.001
137	S83 shiny gray surface	Pl. 14.83.	bar ingot	60.9 ± 0.2	0.90 ± 0.03	1.4 ± 0.1	33.1 ± 0.5	1.07 ± 0.13	<LOD	0.35 ± 0.13	1.7 ± 0.1	0.37 ± 0.02	0.14 ± 0.01	0.0170 ± 0.0005
138	S84 greenish-gray surface	Pl. 14.84.	casting jet	66.9 ± 0.2	24.4 ± 0.7	6.4 ± 0.2	0.24 ± 0.02	0.28 ± 0.02	<LOD	1.17 ± 0.02	0.37 ± 0.02	<LOD	0.26 ± 0.01	0.080 ± 0.002
139	S84 greenish surface	Pl. 14.84.	casting jet	94.5 ± 0.3	0.80 ± 0.03	1.9 ± 0.1	2.31 ± 0.05	0.53 ± 0.03	<LOD	<LOD	0.15 ± 0.03	<LOD	<LOD	0.0120 ± 0.0003
140	S85 shiny gray surface	Pl. 14.85.	droplet	95.0 ± 0.3	0.80 ± 0.03	1.6 ± 0.1	1.86 ± 0.04	0.85 ± 0.03	<LOD	<LOD	0.09 ± 0.03	<LOD	<LOD	0.0100 ± 0.0002
141	S85 shiny gray surface	Pl. 14.85.	droplet	85.5 ± 0.3	6.6 ± 0.2	4.2 ± 0.1	1.75 ± 0.04	0.26 ± 0.03	<LOD	1.48 ± 0.03	0.22 ± 0.03	0.074 ± 0.005	0.090 ± 0.005	0.0010 ± 0.0001
142	S86 brownish-gray surface	Pl. 14.86.	flanged sickle	28.9 ± 0.1	60 ± 2	7.8 ± 0.2	0.24 ± 0.02	0.14 ± 0.02	<LOD	1.32 ± 0.02	0.71 ± 0.02	<LOD	0.56 ± 0.03	0.051 ± 0.003
143	S86 brownish-gray surface	Pl. 14.86.	flanged sickle	45.1 ± 0.2	43 ± 1	9.3 ± 0.3	0.21 ± 0.02	0.23 ± 0.02	<LOD	1.3 ± 0.02	0.71 ± 0.02	<LOD	0.41 ± 0.02	0.034 ± 0.002
144	S87	Pl. 14.87.	ring	77.8 ± 0.3	2.8 ± 0.1	5.1 ± 0.2	7.9 ± 0.1	0.31 ± 0.01	<LOD	0.60 ± 0.01	0.19 ± 0.01	<LOD	0.10 ± 0.01	0.042 ± 0.001
145	S88	Pl. 14.88.	ingot	57.3 ± 0.2	33 ± 1	7.9 ± 0.2	0.15 ± 0.01	<LOD	<LOD	1.2 ± 0.02	0.09 ± 0.01	<LOD	0.29 ± 0.01	0.032 ± 0.001
146	S89	Pl. 14.89.	lump	0.20 ± 0.01	0.20 ± 0.01	<LOD	<LOD	<LOD	<LOD	<LOD	99 ± 1	<LOD	0.050 ± 0.003	<LOD
147	S90	Pl. 14.90.	lump	0.30 ± 0.01	0.80 ± 0.03	<LOD	<LOD	<LOD	0.13 ± 0.01	<LOD	99 ± 1	<LOD	0.050 ± 0.003	<LOD

Measurement ID	Object ID	References (Tarbay 2022)	Types	Cu	Pb	Sb	Sn	Ni	Zn	Ag	Fe	Co	Bi	As*
148	S91	Pl. 14.91.	lump	0.60 ± 0.02	0.80 ± 0.03	<LOD	<LOD	0.080 ± 0.005	0.81 ± 0.02	<LOD	99 ± 1	<LOD	0.060 ± 0.003	<LOD
149	S92	Pl. 14.92.	lump	57.7 ± 0.2	6.4 ± 0.2	5.3 ± 0.2	<LOD	0.34 ± 0.07	<LOD	0.36 ± 0.07	29.3 ± 0.6	<LOD	0.13 ± 0.01	<LOD
150	S93	Pl. 14.93.	lump	0.30 ± 0.02	0.30 ± 0.02	<LOD	<LOD (0.09)	0.15 ± 0.05	<LOD	<LOD	99 ± 1	<LOD	0.060 ± 0.003	<LOD
151	S94	Pl. 14.94.	lump	8.50 ± 0.05	84.2 ± 2.5	3.3 ± 0.1	0.24 ± 0.02	<LOD	<LOD	<LOD	2.93 ± 0.06	<LOD	0.38 ± 0.02	<LOD
152	S95	Pl. 14.95.	casting jet	77.8 ± 0.3	1.3 ± 0.05	16.5 ± 0.5	0.62 ± 0.02	0.45 ± 0.02	<LOD	1.61 ± 0.03	1.65 ± 0.04	0.035 ± 0.007	0.21 ± 0.01	0.110 ± 0.002
153	S96	Pl. 14.96.	lump	38.5 ± 0.2	0.40 ± 0.02	0.30 ± 0.02	58.9 ± 0.9	0.58 ± 0.17	<LOD	<LOD	1.5 ± 0.2	<LOD	<LOD	0.0030 ± 0.0004
154	S96	Pl. 14.96.	lump	12.50 ± 0.07	0.30 ± 0.01	0.50 ± 0.02	49.4 ± 0.8	9.2 ± 0.2	0.75 ± 0.02	<LOD	26.2 ± 0.6	1.06 ± 0.05	<LOD	<LOD
155	S97	Pl. 14.97.	dagger	66.4 ± 0.2	3.0 ± 0.1	1.10 ± 0.05	26.7 ± 0.4	0.84 ± 0.13	<LOD	<LOD	1.8 ± 0.1	<LOD	0.080 ± 0.004	0.017 ± 0.001
156	S98	Pl. 14.98.	cast fragment	4.0 ± 0.1	0.60 ± 0.02	<LOD	<LOD (0.13)	<LOD	80 ± 1	<LOD	0.84 ± 0.02	<LOD	<LOD	<LOD
157	S99	Pl. 14.99.	sheet	77.2 ± 0.3	0.90 ± 0.03	1.9 ± 0.1	18.8 ± 0.3	0.61 ± 0.02	<LOD	0.56 ± 0.01	0.21 ± 0.01	<LOD	0.07 ± 0.01	0.027 ± 0.001
158	S100	Pl. 14.100.	cast fragment	48.6 ± 0.2	28.5 ± 0.9	7.8 ± 0.3	8.28 ± 0.2	0.86 ± 0.02	<LOD	0.66 ± 0.02	0.33 ± 0.02	0.045 ± 0.007	0.23 ± 0.02	0.036 ± 0.001
159	S101	Pl. 14.101.	pin	87.0 ± 0.3	0.020 ± 0.005	<LOD	12.7 ± 0.2	0.11 ± 0.01	<LOD	<LOD	0.18 ± 0.01	<LOD	<LOD	0.0010 ± 0.0004
160	S102	Pl. 14.102.	pendant	96.3 ± 0.3	0.020 ± 0.007	0.80 ± 0.03	0.10 ± 0.01	<LOD	<LOD	2.46 ± 0.03	0.19 ± 0.01	<LOD	0.20 ± 0.01	<LOD
161	S103	Pl. 14.103.	pendant	65.8 ± 0.2	0.050 ± 0.006	0.50 ± 0.02	29.7 ± 0.5	0.3 ± 0.1	<LOD	<LOD	3.4 ± 0.1	<LOD	<LOD	0.0140 ± 0.0004