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Tables

(see Supplementary Material and Excel file for additional tables)

Instrument	Reference	Cu	Ag	Au	%Ag/(Ag+Au)
pXRF 2011	O33878	48.6	8.8	42.0	17.4
pXRF 2011	O33879	47.4	9.2	42.8	17.7
pXRF 2011	O33880	47.4	9.2	42.8	17.6
	Mean	47.8	9.1	42.5	17.6
	Median	47.4	9.2	42.8	17.6
	Std. dev.	0.7	0.2	0.5	0.2
	Min.	47.4	8.8	42.0	17.4
	Max.	48.6	9.2	42.8	17.7

Table 1. Chemical composition of the metal artefacts in the Carupa offering. These results, confirmed by LA-ICP-MS, are significantly different from those of previously published results from XRF analyses by the Departamento Técnico Industrial of Colombia's Banco de La República.

Instrument	Reference	Cu	Ag	Au	%Ag/(Ag+Au)	Remarks
pXRF 2011	33894	24.5	21.5	54.1	28.4	Tunjo
pXRF 2011	33895	23.8	27.0	49.3	35.4	Tunjo
pXRF 2011	33896	23.7	16.0	60.3	21.0	Tunjo
pXRF 2011	33897	21.1	29.2	49.8	37.0	Tunjo
pXRF 2011	33898a	12.6	17.1	70.2	19.6	Tejuelo (dented)
pXRF 2011	33898b	12.2	17.4	70.3	19.9	Tejuelo (rounded)
LA-ICP-MS	33898e	10.9	17.9	65.5	21.5	Sphere
LA-ICP-MS	33898c	<0.02	35.7	63.8	35.9	Nugget (small)
LA-ICP-MS	33898d	0.02	15.6	84.2	15.6	Nugget (large)
	Mean	14.3	21.9	63.0	26.0	
	Median	12.6	17.9	63.8	21.5	
	Std. dev.	9.7	7.1	11.3	8.2	
	Min.	0.02	15.6	49.3	15.6	
	Max.	24.5	35.7	84.2	37.0	

Table 2. Chemical composition of the metal artefacts in the Tocancipá offering. Note that data for LA-ICP-MS is shown for three of them, which could not be analysed by pXRF.

Instrument	Reference	Cu	Ag	Au	%Ag/(Ag+Au)
pXRF 2011	O33810	11.9	17.5	69.4	20.1
pXRF 2011	O33811	30.3	12.8	56.1	18.6
pXRF 2011	O33812	13.3	16.1	69.6	18.7
MdO	O33809	11.6	21.7	66.7	24.5
MdO	O33810	9.9	17.9	72.2	19.9
MdO	O33811	36.4	13.4	50.2	21.0
MdO	O33812	11.9	21.6	66.5	24.5
MdO	O33813	15.6	21.9	62.5	25.9
MdO	Mean	17.1	19.3	63.6	23.2
MdO	Median	16.0	16.0	16.0	16.0
MdO	Std. dev.	8.8	3.3	16.6	3.2
MdO	Min.	9.9	13.4	50.2	19.9
MdO	Max.	36.4	21.9	72.2	25.9

Table 3. Chemical composition of the metal artefacts in the Tenjo offering. Two data sets are shown: our own analyses of three objects (pXRF 2011) and previous XRF analyses of the full assemblage by the Departamento Técnico Industrial of Colombia's Banco de La República.

Instrument	Reference	Cu	Ag	Au	%Ag/(Ag+Au)	Artisan
pXRF 2013	O33278	2.5	16.0	81.5	16.4	2
pXRF 2013	O33279	1.9	16.8	81.3	17.2	2
pXRF 2013	O33280	7.4	15.7	76.9	17.0	?
pXRF 2013	O33281	2.6	19.0	78.4	19.5	2
pXRF 2012	O33282	9.5	14.3	76.2	15.8	1
pXRF 2013	O33283	5.4	14.3	80.3	15.1	2
pXRF 2013	O33284	1.0	16.7	82.3	16.9	2
pXRF 2013	O33285	4.6	16.1	79.2	16.9	2
pXRF 2012	O33286	4.4	17.7	77.9	18.5	?
pXRF 2012	O33287	9.0	16.8	74.2	18.5	?
pXRF 2012	O33288	10.0	15.8	74.2	17.6	1
pXRF 2012	O33289	11.5	14.9	73.6	16.8	?
pXRF 2013	O33290	2.1	16.3	81.6	16.7	2?
pXRF 2013	O33291	1.8	15.1	83.1	15.4	2
pXRF 2012	O33292	28.0	14.5	57.4	20.2	1
pXRF 2012	O33293	10.6	15.2	74.2	17.0	1
pXRF 2012	O33294	1.7	17.7	80.5	18.1	1
pXRF 2012	O33295	4.5	14.0	81.4	14.7	1
pXRF 2012	O33296	1.9	14.8	83.4	15.0	1
pXRF 2012	O33297	11.5	13.4	75.1	15.1	1
pXRF 2012	O33298	4.3	14.2	81.5	14.9	1
pXRF 2013	O33299	13.7	13.9	72.4	16.1	1?
pXRF 2012	O33300	14.9	14.3	70.8	16.8	1
pXRF 2012	O33301	1.5	18.1	80.4	18.3	2?
pXRF 2012	O33302	2.3	23.6	74.1	24.1	1
pXRF 2012	O33303	9.5	17.1	73.4	18.8	1
pXRF 2012	O33304	5.9	13.3	80.8	14.1	1?
pXRF 2013	O33305	0.8	24.5	74.7	24.7	1?
pXRF 2012	O33306	10.0	13.4	76.5	14.9	1?
pXRF 2012	O33307	6.5	16.0	77.5	17.1	1
pXRF 2012	O33308	4.2	18.7	76.8	19.6	1?
pXRF 2012	O33309	0.5	25.0	74.4	25.2	1?
pXRF 2013	O33310	1.9	18.3	79.8	18.6	?
pXRF 2013	O33311	0.9	14.2	84.9	14.3	1?
	Mean	6.1	16.5	77.4	17.5	
	Median	4.5	15.9	77.7	17.0	
	Std. dev.	5.6	3.0	5.1	2.8	
	Min.	0.5	13.3	57.4	14.1	
	Max.	28.0	25.0	84.9	25.2	

Table 4. Chemical composition of the 35 metal artefacts in the Suba offering. The 'artisan' numbers correspond to those tentatively identified as possible 'master' and 'apprentice'.

(please see Excel document)

Table 5. Results of LA-ICP-MS analyses of Muisca metal artefacts from the four offerings discussed in this paper. LOQ=limits of quantification; <d.l.=below detection limits.