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ERRATUM

Erratum to: Flame atomic absorption spectrometric determination of trace amounts of Pb(II) and Cr(III) in biological, food and environmental samples after preconcentration by modified nano alumina

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An error occured in the legend of Table 1. The correct legend of Table 1 is given below:

Table 1 Some of the band assignments of the infrared spectra for γ- Al_2O_3, DNPH-γ-Al_2O_3 and metal loaded DNPH-γ-Al_2O_3

An error occured in Tables 4 and 5. The corrected tables are given on the next pages.

Tables 4 and 5 should be as follow:

The online version of the original article can be found at http://dx.doi.org/10.1007/s00604-010-0478-y.

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Table 4 Analytical results for the determination of Pb(II) and Cr(III) in real samples

Sample	Analyte	Added (μg L^{-1})[a]	Found (μg L^{-1})	Recovery(%)
Tap water	Pb(II)	0	7.9 ± 0.3	–
		5	12.8 ± 0.2	98
		10	18 ± 0.15	101
	Cr(III)	0	ND[b]	–
		5	5.1 ± 0.1	102
		10	10.1 ± 0.2	101
Mineral water	Pb(II)	0	9.1 ± 0.2	–
		5	14.1 ± 0.1	102
		10	19.1 ± 0.1	100
	Cr(III)	0	ND	–
		5	5.2 ± 0.2	104
		10	9.97 ± 0.3	99.7
Wastewater	Pb(II)	0	35.5 ± 0.4	–
		10	45.7 ± 0.2	102
		20	55.6 ± 0.3	100.5
	Cr(III)	0	5.8 ± 0.2	–
		10	15.7 ± 0.1	99
		20	26 ± 0.2	101
Rice	Pb(II)	0	18.9 ± 0.4	–
		20	39.3 ± 0.3	102
	Cr(III)	0	ND	–
		20	20.7 ± 0.1	103.5
Urine (1)	Pb(II)	0	ND	–
		40	40.1 ± 0.1	100.2
	Cr(III)	0	ND	–
		40	40.5 ± 0.2	101.2
Urine (2)	Pb(II)	0	ND	–
		40	40.3 ± 0.1	100.8
	Cr(III)	0	ND	–
		40	40.9 ± 0.1	102.2
Urine (3)	Pb(II)	0	ND	–
		40	40.4 ± 0.2	101
	Cr(III)	0	ND	–
		40	40.3 ± 0.1	100.7

[a] Average of three determination ± standard deviation

[b] Not detected

Table 5 Comparative data from some recent papers on solid-phase extraction

Method[a]	Ions	Enrichment factor	Detection limit (μg L^{-1})	Linear range (μg L^{-1})	Adsorption capacity(mg g^{-1})	Ref
Dz-SDS-coated alumina-FAAS	Pb(II)	200	NA	10–120	NA	[3]
Nanometer TiO_2-DZ-ICP-AES	Pb(II)	33.3	1.72	NA	22.5	[6]
	Cr(III)		0.38		5.8	
MMWCN-FAAS	Pb(II)	120	0.32	0.83–15000	9.3	[11]
	Ni(II)		0.17	0.83–10000	1.5	
	Cd(II)		0.04	0.17–3000	1	
HPAPyr-XAD-2-FAAS	Pb(II)	333.3	2.8	3–1000	5.35	[14]
	Cu(II)	285.7	2.0	10–1000	4.70	
	Zn(II)	250.0	3.3	10–1250	3.80	
	Cd(II)	300.0	0.9	2–1250	3.95	
Amberlite XAD-7-FAAS	Pb(II)	60	18.6	NA	NA	[15]
	Cr(III)		3.27			
	Fe(III)		3.07			
Bismuthiol-II-immobilized magnetic nanoparticles-ICP-AES	Cr(III)	96	0.043	NA	8.6	[21]
	Cu(II)	95	0.058		5.3	
	Pb(II)	87	0.085		9.4	
MTTZ-MSU-2 mesoporous silica-FAAS	Pb(II)	200	0.46	3.7-NA	2.15	[25]
Amberite XAD-2000-DPC-GFAAS	Pb(II)	100	0.51	NA	NA	[28]
	Cr(III)	50	0.81			
	Fe(III)	50	0.32			
Solid sulfur-FAAS	Pb(II)	250	3.2	10–300	0.0156	[29]
	Cd(II)		0.2	1–20	0.0034	
MWCN-ICP-AES	Pb(II)	44.2	2.6	8.6–775	NA	[60]
Diaion SP-850 resin-FAAS	Pb(II)	50	0.5	NA	NA	[61]
	Cr(III)		0.65			
	Mn(II		0.42			
	Fe(III)		0.28			
	Co(II)		0.73			
	Cu(II)		0.3			
SDS-PVC-BHABDI-FAAS	Pb(II)	50	0.29	30–800	2.2	[62]
	Cr(III)		0.28	20–800	2.1	
	Cd(II)		0.37	10–700	2.8	
	Cu(II)		0.27	10–800	2.6	
	Co(II)		0.30	20–800	2.3	
	Fe(III)		0.28	30–800	2.1	
	Zn(II)		0.39	10–800	2.4	
Modified nanometer SiO_2-ICP-AES	Pb(II)	37.5	1.79	NA	6.0	[63]
	Cr(III)		0.79		6.2	
	Cu(II)		1.27		18.6	
	Fe(III)		0.40		4.7	
Poly(etheretherketone)-FI-FAAS	Pb(II)	110	0.32	3.6–300	NA	[64]
DNPH-nano-γ-Al_2O_3-FAAS	Pb(II)	266.7	0.43	1.2–350	100	This work
	Cr(III)		0.55	2.4–520	100	

[a] *Dz* dithizone; *MMWCN* modified multi-walled carbon nanotubes; *HPAPyr* 4′-(2-Hydroxyphenylazo)-3′-Methyl-1′-Phenyl-2′-Pyrazolin-5′-one; *MTTZ* 5-mercapto-1-methyltetrazole; *DPC* diphenylcarbazide; *SDS-PVC-BHABDI* Sodium dodecyl sulfate coated poly(vinyl)chloride modified with bis(2-hydroxyacetophenone)-1,4-butanediimine; *NA* not available