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Supplement of

Concentrations, particle-size distributions, and dry deposition fluxes of aerosol trace elements over the Antarctic Peninsula in austral summer

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Table S1 . Limits of Detection (LOD), %blank, and recovery of standard reference material 1648a using acid digestion and ICP-MS procedures.

Elements	LOD	%Blank	Recov.	Precision
	(pg m ⁻³) n=11	(%) Median (n)	(%) n=7	(%) n=11
Al	80	5.8 (59)	96	4
P*	20	25 (31)	-	9
Ca	500	3.5 (57)	93	7
Ti	10	28 (52)	90	6
V	0.3	11 (55)	97	8
Cr	6	ND	38	6
Mn	1	6.1 (57)	97	7
Co	2	ND	91	8
Ni	20	22 (17)	99	17
Cu	20	19 (22)	93	6
Zn	30	26 (27)	107	8
Cd	0.5	ND	100	6
Sb	3	ND	85	5
Ce	0.1	10 (48)	86	3
Pb	0.7	17 (60)	82	3

*Lack of certified concentration in SRM 1648a prevents calculation of recovery.

ND= not determined in samples because LOD was not exceeded.

The LODs were estimated based on a 200 m³ representative sampling volume.

%Blank is the median field blank/sample concentration×100%, and n is the number of detectable samples.

Precision was determined by the RSD of sample split and duplicate measurement.