

Table 1: Limits of detection (LOD),ng (fmolm⁻³), of single amino compounds in aerosol samples and average concentration in the blank samples, ng (fmolm⁻³).

	Background filters		Slotted filters	
	LOD	Blank samples	LOD	Blank samples
Phe	10.7 (5.6)	23.5 (12.3)	21.0 (10.7)	43.8 (2.2)
Thr	1.8 (1.3)	15.6 (11.3)	14.0 (9.8)	29.1 (2.1)
Leu	5.6 (3.7)	24.4 (16.0)	13.0 (8.3)	35.8 (6.7)
Ile	4.6 (3.0)	12.5 (8.2)	11 (7.0)	17 (3.9)
Met	0.4 (0.2)	1.5 (0.8)	0.5 (0.2)	1.5 (0.3)
Tyr	5.1 (2.4)	10.7 (5.1)	18.0 (8.2)	27.9 (3.8)
Val	6.9 (5.2)	24.0 (17.9)	16.0 (11.6)	30.9 (12.7)
3-Hyp	2.8 (1.8)	18.8 (12.3)	6.0 (3.8)	2.7 (0.1)
Pro	2.5 (1.9)	35.3 (26.4)	6.0 (4.3)	38.7 (20.9)
4-Hyp	2.5 (1.6)	1.3 (0.9)	0.8 (0.5)	1.4 (0.1)
Ala	4.2 (4.0)	35.4 (34.2)	2.0 (1.9)	24.7 (7.6)
Glu	3.6 (2.1)	2.6 (1.5)	9.0 (5.1)	24.0 (1.9)
Gln	0.1 (0.1)	4.7 (2.8)	4.0 (2.3)	8.5 (0.7)
Ser	2.7 (2.2)	76.5 (62.7)	8·10 ¹ (6·10 ¹)	9·10 ¹ (5·10 ¹)
Asn	5.4 (3.5)	14.8 (9.6)	8.0 (5.0)	12.9 (3.9)
Asp	4·10 ¹ (2·10 ¹)	1·10 ¹ (7·10 ¹)	7.2·10 ² (4.5·10 ²)	2.85·10 ³ (2.7·10 ¹)
Cys	16 (11)	34 (25)	5.0 (3.4)	5.7 (0.7)
Gly	1.2·10 ² (1.4·10 ²)	7·10 ¹ (8·10 ¹)	8·10 ¹ (8·10 ¹)	6·10 ¹ (2·10 ¹)
MetSO	1.5 (0.7)	0.9 (0.5)	0.7 (0.4)	0.54 (0.3)
MetSO ₂	0.8 (0.3)	0.4 (0.2)	0.2 (0.1)	0.19 (0.09)