

Species	Limit of detection	Methods	Accuracy
N ₂ O ₅	2.7 pptv (1 σ , 1 min)	CEAS	$\pm 19\%$
ClNO ₂	16 pptv (2 σ , 1 min)	FIGAERO-ToF-CIMS	$\pm 23\%$
NO	60 pptv (2 σ , 1 min)	Chemiluminescence	$\pm 20\%$
NO ₂	0.3 ppbv (2 σ , 1 min)	Mo convert	$\pm 50\%$
O ₃	0.5 ppbv (2 σ , 1 min)	UV photometry	$\pm 5\%$
Aerosol surface area	(4 min)	SMPS, APS	$\pm 30\%$
VOCs	0.1 ppbv (5 min)	PTR-MS	$\pm 30\%$
PM _{2.5}	0.1 $\mu\text{g m}^{-3}$ (1 min)	TEOM	$\pm 5\%$
PM _{1.0} components	0.15 $\mu\text{g m}^{-3}$ (4 min)	HR-ToF-AMS	$\pm 30\%$