

Table S4

Potential average source strengths (Q) for secondary organic particulate matter originating from anthropogenic VOC (AVOC) and atmospheric concentrations (C). Estimations for 2 km height of the planetary boundary layer.

AVOC group	Yield	Q (2005) $\text{g m}^{-3} \text{s}^{-1}$	C (2005) $\mu\text{g m}^{-3}$	Q (2010) $\text{g m}^{-3} \text{s}^{-1}$	C(2010) $\mu\text{g m}^{-3}$
Benzene	0.14	$6.2 \cdot 10^{-12}$	2.1	$3.8 \cdot 10^{-12}$	1.3
Toluene	0.14	$5.6 \cdot 10^{-11}$	19	$4.0 \cdot 10^{-11}$	13
Xylenes	0.14	$1.0 \cdot 10^{-10}$	36	$8.7 \cdot 10^{-11}$	30
Sum		$1.62 \cdot 10^{-10}$	57.1	$1.3 \cdot 10^{-10}$	44.3