

Table S3

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

BVOC group	BVOC class	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) $\mu\text{g m}^{-3}$
Isoprene	c	0.02	$5.8 \cdot 10^{-13}$	0.2	$1.2 \cdot 10^{-12}$	0.4
cMT	c	0.06	$2.4 \cdot 10^{-13}$	0.08	$5.3 \cdot 10^{-13}$	0.18
sMT	s	0.06	$1.3 \cdot 10^{-14}$	0.004	$3.0 \cdot 10^{-14}$	0.01
SQT+BZ	s	0.22	$1.6 \cdot 10^{-12}$	0.54	$3.9 \cdot 10^{-12}$	1.4
GLV	s	0.03	$3.7 \cdot 10^{-13}$	0.13	$8.7 \cdot 10^{-13}$	0.3
Sum	c+s			0.95		2.29