

Literature	Target year	NMVOC (Tg yr <sup>-1</sup> )				
		Anthropogenic		Biogenic		Biomass burning
	Total	Aromatics	Total	Isoprene		
Bottom-up estimates						
Bo et al. (2008) <sup>a</sup>	2005	12.7				3.8 <sup>d</sup>
Zhang et al. (2009) <sup>a</sup>	2006	23.2 (±68 %)	2.4			
Cao et al. (2011) <sup>a</sup>	2007	35.46				
Huang et al. (2017) <sup>a</sup>	2007	24.6				
Granier et al. (2017) <sup>a</sup>	2007	29.0				
Kurokawa et al. (2013) <sup>a</sup>	2008	27.1 (±46 %)				
Li et al. (2017) <sup>a</sup>	2010	23.6	5.4			
Wu et al. (2016) <sup>a</sup>	2008	18.62				3.83 <sup>d</sup>
	2009	21.8				3.32 <sup>d</sup>
	2010	23.83				3.75 <sup>d</sup>
	2011	24.78				3.76 <sup>d</sup>
	2012	25.65				4.20 <sup>d</sup>
Huang et al. (2012) <sup>a</sup>	2006					2.2 (1.08–3.46)
van der Werf et al. (2010)	2007					0.47
van der Werf et al. (2017) <sup>a</sup>	2007					0.91
Sindelarova et al. (2014)	2005				9.9	
Guenther et al. (2006)	2007			17.3 <sup>e</sup>	7.5 <sup>e</sup>	
Stavrakou et al. (2014)	2007				7.6	
Top-down estimates						
Fu et al. (2007)	2000	4.27 <sup>g</sup>		12.7		5.1
Liu et al. (2012) <sup>b</sup>	2007	34.2	13.4			
Stavrakou et al. (2014)	2007				8.6	
Stavrakou et al. (2015) <sup>c</sup>	2010	20.6–24.6			5.9–6.5	2.0–2.7
Stavrakou et al. (2017) <sup>c</sup>	2005	24.4			5.8 (average of emissions from 2005 to 2014)	
	2006	24.0				
	2007	26.7				
	2008	25.9				
	2009	26.5				
	2010	26.1				
	2011	25.5				
	2012	25.6				
	2013	27.7				
	2014	27.8				
This work	2007	20.2 <sup>f</sup> (16.4–23.6)	6.5 <sup>f</sup> (5.5–7.9)	19.2 <sup>f</sup> (12.2–22.8)	9.6 <sup>f</sup> (5.4–11.7)	2.48 <sup>f</sup> (2.08–3.13)