

Measuring Biogenic Volatile Organic Compounds from Leaves Exposed to Submicron Black Carbon Using Portable Sensor

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Table S1. Isoprene and monoterpenes emission rates ($\mu\text{g g}^{-1} \text{h}^{-1}$) from typical tree species across some areas of China [1].

Species	Isoprene	Monoterpene	Regions
<i>Cyclobalanopsis glauca</i>	278	3.5	South China
<i>Populus tomentosa</i>	271	/	
<i>Nelumbo nucifera</i>	246	/	
<i>Quercus glandulifera</i>	222	/	
<i>Caryotamitis</i>	147	/	
<i>Salix babylonica</i>	132	/	
<i>Phyllostachys pubescens</i>	116	/	
<i>Broussonetia papyrifera</i>	97	/	
<i>Pleioblastus amarus</i>	86	/	
<i>Liquidambar formosana</i>	74	/	
<i>Albizia Jutibrissin</i>	70	/	
<i>Trachycarpus fortunei</i>	60	/	
<i>Salix chaenomeloides</i>	58	/	
<i>Mahonia fortunei</i>	50	/	
<i>Pragmites commanis</i>	47	/	
<i>Quercus fabri</i>	43–211	/	
<i>Lespedeza bicolor</i>	40	/	
<i>Dalbergia hupeana</i>	34	/	
<i>Adenanthera pavonina</i>	33	/	
<i>Bambusa multiplex</i>	20–103	/	
<i>Eucalyptus citrodora</i>	17	3	
<i>Elaeocarpus apiculatus</i>	13	/	
<i>Camellia sinensis</i>	13	/	
<i>Ficus hispida</i>	12	2	
<i>Syzygium cumini</i>	9	13	
<i>Ficus benjamina</i>	9	/	
<i>Glochidion puberum</i>	9	/	
<i>Musa basjoo</i>	8	/	

<i>Typha orient</i>	6	/
<i>Ficus altissima</i>	6	/
<i>Eucalyptus robusta</i>	5	0.1
<i>Indocalamus latifolius</i>	4	/
<i>Bambusa vulgaris</i>	2	11
<i>Koelreuteria bipinnata</i>	2	6
<i>Duabanga grandiflora</i>	0.8	3
<i>Pinus massoniana</i>	0.7	1
<i>Litchi chinensis</i>	/	15
<i>Avicennia marina</i>	/	12
<i>Carmona microphylla</i>	/	10
<i>Platanus orientalis</i>	139	0.3
<i>Populus tomentosa</i>	105	0.2
<i>Salix babylonica</i>	70	4
<i>Sophora japonica</i>	52	2
<i>Quercus</i>	32	8
<i>Robinia pseudoacacia</i>	37	2
<i>Quercus Mongolica</i>	9	0.2
<i>Ilex chinensis</i>	5	7
<i>Pinus tabuliformis</i>	0.4	19
<i>orientalis</i>		
<i>Malus pumila</i> Mill	0.8	278
<i>Oryza sativa</i>	0.7	16
<i>Lespedeza bicolor</i>	0.3	0.1
<i>Prunus persica</i>	0.2	6
<i>Ginkgo biloba</i> L	/	0.2
<i>Pyurs spp</i>	0.4	1
<i>Triticum aestivum</i>	/	2
<i>Zea mays</i>	/	0.4

References

1. Lun, X.; Lin, Y.; Chai, F.; Fan, C.; Li, H.; Liu, J. Reviews of emission of biogenic volatile organic compounds (BVOC) in Asia. *J. Environ. Sci.* **2020**, *95*, 266–277. DOI: [10.1016/j.jes.2020.04.043](https://doi.org/10.1016/j.jes.2020.04.043)