

Site	Location	Season	Size	WSOC ($\mu\text{g m}^{-3}$)	WSOC/OC	Fossil %	References
East Asia							
Urban	Beijing, China	Winter/2013	PM _{2.5}	19.8	0.49	47	This work
Urban	Xi'an, China	Winter 2013	PM _{2.5}	31.3	0.53	25	This work
Urban	Shanghai, China	Winter 2013	PM _{2.5}	6.5	0.58	52	This work
Urban	Guangzhou, China	Winter 2013	PM _{2.5}	6.6	0.53	32	This work
Urban	Beijing, China	Winter 2014	PM _{2.5}	14.7	0.40	56	Fang et al. (2017)
Urban	Beijing, China	Winter 2011	PM _{4.3}	15	0.50	55	Zhang et al. (2014b)
Urban	Beijing, China	Winter 2013	PM _{2.5}	9.3	0.31	54	Yan et al. (2017)
Urban	Guangzhou, China	Winter 2012/2013	PM _{2.5}	4.1	0.38	33	Liu et al. (2014)
Urban	Guangzhou, China	Winter 2011	PM ₁₀	4.5	0.43	28.5	Zhang et al. (2014b)
Urban	Xi'an, China	Autumn 2009	PM _{2.5}	5.1	0.28	31	Pavuluri et al. (2013)
Urban	Xi'an, China	Autumn 2010	TSP	8.1	0.28	29	Pavuluri et al. (2013)
Urban	Wuhan, China	Winter 2013	PM _{2.5}	13.7	0.45	37	Liu et al. (2016)
Urban	Sapporo, Japan	Summer/Autumn 2010	PM ₃	1	0.43	15	Pavuluri et al. (2013)
Urban	Sapporo, Japan	Summer 2011	TSP	1.1	0.24	12	Pavuluri et al. (2013)
Urban	Sapporo, Japan	Spring 2010	TSP	1.1	0.31	11	Pavuluri et al. (2013)
Urban	Sapporo, Japan	Autumn 2011	TSP	1.8	0.48	18.3	Pavuluri et al. (2013)
Urban	Sapporo, Japan	Winter 2010	TSP	0.9	0.45	40.2	Pavuluri et al. (2013)
Background	Jeju Island, Korea	Winter 2014	PM _{2.5}	2.2	0.66	50	Fang et al. (2017)
Background	Jeju Island, Korea	Spring 2011	PM _{2.5}	2.0		37.5	Kirillova et al. (2014a)
Background	Jeju Island, Korea	Spring 2011	TSP	3.0		25	Kirillova et al. (2014a)
Average						33 ± 14	
South Asia							
Background	Hainan, China	Annual 2005/2006	PM _{2.5}	3.9	0.54	18	Zhang et al. (2014b)
Background	Hainan, China	Winter 2005/2006	PM _{2.5}	6.2	0.57	14.5	Zhang et al. (2014b)
Background	Hainan, China	Summer 2005/2006	PM _{2.5}	1.4	0.40	17.7	Zhang et al. (2014b)
Background	Hanimaadhoo, Maldives	Annual 2008/2009	TSP	0.5		17	Kirillova et al. (2013)
Background	Sinhagad, India	Annual 2008/2009	TSP	3.0		24	Kirillova et al. (2013)
Background	Hanimaadhoo, Maldives	Spring 2012	PM _{2.5}	0.6	0.62	14	Bosch et al. (2014)
Urban	Delhi, India	Winter 2010/2011	PM _{2.5}	22.0		21	Kirillova et al. (2014b)
Average						18 ± 4	
Europe and USA							
Urban	Gothenburg, Sweden	Winter 2005	PM _{2.5}	1.1	0.48	23	Szidat et al. (2009)
Urban	Gothenburg, Sweden	Summer 2006	PM _{2.5}	0.8	0.61	30	Szidat et al. (2009)
Urban	Gothenburg, Sweden	Winter 2005		1.2	0.53	27	Szidat et al. (2009)
Rural/semi-urban	Stockholm, Sweden	Summer 2009	TSP			12	Kirillova et al. (2010)
Urban	Zürich, Switzerland	Summer 2002	PM ₁₀	2.1	0.54	14	Szidat et al. (2004)
Urban	Zürich, Switzerland	Winter 2008	PM ₁₀	2.8	0.60	26.8	Zhang et al. (2013)
Urban	Moleno, Switzerland	Summer 2006	PM ₁₀	5.3	0.67	30	Zhang et al. (2013)
Urban	Bern, Switzerland	Winter 2009	PM ₁₀		0.39	14	Zhang et al. (2014b)
Urban	Atlanta, USA	Summer 2004	PM _{2.5}	2.3	0.59	26.5	Weber et al. (2007)
Rural	Millbrook, USA	Annual 2006/2007	TSP		0.36	12	Wozniak et al. (2012)
Rural	Harcum, USA	Annual 2006/2007	TSP		0.38	14	Wozniak et al. (2012)
Regional background	Cesar, Netherlands	Annual 2011/2012	PM _{2.5}	2.3	0.65	21	Dusek et al. (2017)
Average						21 ± 8	