

Supplementary Information (SI)

Title : Characteristics, Accumulation and Potential Health Risks of Antimony in Atmospheric Particulate Matter

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Table S1 Concentration of Sb in global atmosphere

Ref.	Sb con.	Unit	Type	Classification	Time	Fields, Province	Sampling Site	Longitude	Latitude
1	3.7	ng/m ³	PM10	PM10	2009	Tatebayashi, Japan	Urban	139.5°E	36.2°N
	2.7	ng/m ³	PM10	PM10	2009	Maebashi, Japan	Urban	139.1°E	36.4°N
2	0.78	μg/g	wind-borne soil particles	-	1989	Worldwide	-	-	-
	0.56	μg/kg	sea salt spray	-	1989	Worldwide	-	-	-
	0.71	μg/g	volcanoes	-	1989	Worldwide	-	-	-
	0.22	μg/g	wild forest fires	-	1989	Worldwide	-	-	-
3	4.7	ng/m ³	PM10	PM10	2005	Buenos Aires, Argentina	Urban	58.4°W	34.6°S
	96.8	μg/g	airborne dust	dust	2005	Buenos Aires, Argentina	Urban	58.4°W	34.6°S
	3.6	ng/m ³	PM10	PM10	2005	Dines	Urban	58.4°W	34.6°S
	5.7	ng/m ³	PM10	PM10	2005	Hospital Alema'N	Urban	58.4°W	34.6°S
	5.3	ng/m ³	PM10	PM10	2005	Casa Rapallini	Urban	58.4°W	34.6°S
	4	ng/m ³	PM10	PM10	2005	Casa Amarilla	Urban	58.4°W	34.6°S
	3.8	ng/m ³	PM10	PM10	2005	Metrogas	Urban	58.4°W	34.6°S
	6	ng/m ³	PM10	PM10	2005	Hospital Garrahan	Urban	58.4°W	34.6°S
	4.8	ng/m ³	PM10	PM10	2005	Jardi'N Japone'S	Urban	58.4°W	34.6°S
	5.2	ng/m ³	PM10	PM10	2005	Biblioteca Nacional	Urban	58.4°W	34.6°S
	4.3	ng/m ³	PM10	PM10	2005	Aguas Argentinas	Urban	58.4°W	34.6°S
	65.8	μg/g	Sb in airborne dust	dust	2005	Dines	Urban	58.4°W	34.6°S
	138	μg/g	Sb in airborne dust	dust	2005	Hospital Alema'N	Urban	58.4°W	34.6°S
	137	μg/g	Sb in airborne dust	dust	2005	Casa Rapallini	Urban	58.4°W	34.6°S
	58.4	μg/g	Sb in airborne dust	dust	2005	Casa Amarilla	Urban	58.4°W	34.6°S

	61.2	µg/g	Sb in airborne dust	dust	2005	Metrogas	Urban	58.4°W	34.6°S
	165	µg/g	Sb in airborne dust	dust	2005	Hospital Garrahan	Urban	58.4°W	34.6°S
	96.6	µg/g	Sb in airborne dust	dust	2005	Jardi'N Japone'S	Urban	58.4°W	34.6°S
	62.6	µg/g	Sb in airborne dust	dust	2005	Biblioteca Nacional	Urban	58.4°W	34.6°S
	85	µg/g	Sb in airborne dust	dust	2005	Aguas Argentinas	Urban	58.4°W	34.6°S
4	0.4	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	10	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	12	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	18	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	10.4	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	8.6	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	15.9	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	6.2	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	2.9	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	20.4	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	0.4	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	11.4	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	8.4	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	13.3	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	19.6	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	11	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	18.3	µg/g	Sb(<37µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	10	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	15.6	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S

18.4	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
6.7	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
12.6	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
6.7	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
8.3	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
9	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
12.2	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
15.9	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
13	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
13.6	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
1.7	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
14.1	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
7.3	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
4	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
5.5	µg/g	Sb(37-55µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
3.6	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
4.8	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
3.1	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
4.5	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
3.2	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
2.1	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
6.3	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
6.3	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
4.2	µg/g	Sb(55-75µm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S

	0.2	$\mu\text{g/g}$	Sb(55-75 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	0.3	$\mu\text{g/g}$	Sb(55-75 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	0.3	$\mu\text{g/g}$	Sb(55-75 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	1.4	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	5.4	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	6.5	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	2.8	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	5.2	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	3.6	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	7	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	7.7	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
	3.7	$\mu\text{g/g}$	Sb(55-100 μm)	dust	2011	The Metropolitan Area of Buenos Aires	Urban	58.4°W	34.6°S
5	1.6	ng/m^3	TSP	TSP	2000	Cape D'Aguilar, Hong Kong, China	Suburban	114°15'E	22°13'N
	1.66	ng/m^3	PM10	PM10	2000	Cape D'Aguilar, Hong Kong, China	Suburban	114°15'E	22°13'N
6	8	ng/m^3	aerosol sample	TSP	1999	At the German Arctic Research Station In Ny-Ålesund	Background	11°57'E	78°55'N
	8.1	ng/m^3	aerosol sample	TSP	1999	At the German Arctic Research Station In Ny-Ålesund	Background	11°57'E	78°55'N
	9.8	ng/m^3	aerosol sample	TSP	1999	At the German Arctic Research Station In Ny-Ålesund	Background	11°57'E	78°55'N
	11.8	ng/m^3	aerosol sample	TSP	1999	At the German Arctic Research Station In Ny-Ålesund	Background	11°57'E	78°55'N
7	8.3	ng/m^3	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N
	3.2	ng/m^3	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N
	5.9	ng/m^3	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N
	10.4	ng/m^3	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N
	6.2	ng/m^3	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N
	3.5	ng/m^3	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N

	2.9	ng/m ³	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N
	6.4	ng/m ³	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N
	5.6	ng/m ³	PM10	PM10	2002	Urban Area of Thessaloniki, Greece	Urban	22.9°E	40.6°N
8	0.64	µg/m ³	PM10	PM10	2009	Dachang, Gaungxi Zhuang Autonomous Region, China	Urban	107°34'37"E	24°49'26"N
	445	mg/kg	PM10	PM10	2009	Dachang, Gaungxi Zhuang Autonomous Region, China	Urban	107°34'37"E	24°49'26"N
9	28	ng/m ³	TSP	TSP	2002	Gothenburg, Sweden	Urban	11°58'E	57°43'N
	34	ng/m ³	TSP	TSP	2002	Gothenburg, Sweden	Urban	11°58'E	57°43'N
10	4.7	ng/m ³	PM10	PM10	2001	Buenos Aires, Argentina	Urban	58.43°W	34.60°S
11	0.74	ng/m ³	aerosol	TSP	2001	Narragansett, Rhode Island, America	Urban	71°25'W	41°49'N
	0.66	ng/m ³	aerosol	TSP	2001	Narragansett, Rhode Island, America	Urban	71°25'W	41°49'N
	0.82	ng/m ³	aerosol	TSP	2001	Narragansett, Rhode Island, America	Urban	71°25'W	41°49'N
	0.21	ng/m ³	aerosol	TSP	2001	Underhill, Vermont, America	Background	72°57'W	44°32'N
	0.24	ng/m ³	aerosol	TSP	2001	Underhill, Vermont, America	Background	72°57'W	44°32'N
	0.185	ng/m ³	aerosol	TSP	2001	Underhill, Vermont, America	Background	72°57'W	44°32'N
12	12	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	12	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	16	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	14	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	11	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	9.7	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	8.6	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	7	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	7.4	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N
	5.7	ng/m ³	APM	TSP	2001	Tokyo, Japan	Urban	139°44'E	35°41'N

13	8.6	ng/m ³	Aerosol (2.5-10 µm)	PM2.5-10	2010	Zürich-Weststrasse, Switzerland	Urban	8°32'E	47°22'N
	1.88	ng/m ³	Aerosol (2.5-10 µm)	PM2.5-10	2010	Zürich-Kaserne, Switzerland	Urban	8°32'E	47°22'N
	0.92	ng/m ³	aerosol (2.5-10 µm)	PM2.5-10	2010	Reiden, Switzerland	Suburban	8°32'E	47°22'N
	0.58	ng/m ³	Aerosol (2.5-10 µm)	PM2.5-10	2010	Reiden, Switzerland	Suburban	8°32'E	47°22'N
	3.75	ng/m ³	Aerosol (1-2.5 µm)	PM1-2.5	2010	Zürich-Weststrasse, Switzerland	Urban	8°32'E	47°22'N
	1.03	ng/m ³	Aerosol (1-2.5 µm)	PM1-2.5	2010	Zürich-Kaserne, Switzerland	Urban	8°32'E	47°22'N
	0.59	ng/m ³	Aerosol (1-2.5 µm)	PM1-2.5	2010	Reiden, Switzerland	Suburban	8°32'E	47°22'N
	0.35	ng/m ³	Aerosol (1-2.5 µm)	PM1-2.5	2010	Reiden, Switzerland	Suburban	8°32'E	47°22'N
	0.58	ng/m ³	Aerosol (0.1-1 µm)	PM0.1-1	2010	Zürich-Weststrasse, Switzerland	Urban	8°32'E	47°22'N
	0.24	ng/m ³	Aerosol (0.1-1 µm)	PM0.1-1	2010	Zürich-Kaserne, Switzerland	Urban	8°32'E	47°22'N
	0.16	ng/m ³	Aerosol (0.1-1 µm)	PM0.1-1	2010	Reiden, Switzerland	Suburban	8°32'E	47°22'N
	0.27	ng/m ³	Aerosol (0.1-1 µm)	PM0.1-1	2010	Reiden, Switzerland	Suburban	8°32'E	47°22'N
14	199	µg/g	APM(<2µm)	PM2.5	2005	Faculty of Science And Engineering, Chuo University, Tokyo, Japan,	Urban	139°44'E	35°41'N
	4.93	ng/m ³	APM(<2µm)	PM2.5	2005	Faculty of Science And Engineering, Chuo University, Tokyo, Japan,	Urban	139°44'E	35°41'N
	188	µg/g	APM(2-11µm)	PM2-11	2005	Faculty of Science And Engineering, Chuo University, Tokyo, Japan,	Urban	139°44'E	35°41'N
	2.29	ng/m ³	APM(2-11µm)	PM2-11	2005	Faculty of Science And Engineering, Chuo University, Tokyo, Japan,	Urban	139°44'E	35°41'N
	53	µg/g	APM(>11µm)	PM>11	2005	Faculty of Science And Engineering, Chuo University, Tokyo, Japan,	Urban	139°44'E	35°41'N
	0.227	ng/m ³	APM(>11µm)	PM>11	2005	Faculty of Science And Engineering, Chuo University, Tokyo, Japan,	Urban	139°44'E	35°41'N
15	1	ng/m ³	PM10	PM10	2003	L'Alora, Spain	Suburban	0°12'43"W	40°04'07"N
	1	ng/m ³	PM10	PM10	2005	Valencia, Spain	Suburban	0°22'06"W	39°28'41"N
	2	ng/m ³	PM10	PM10	2005		Suburban	0°22'06"W	39°28'41"N
	33	ng/m ³	PM10	PM10	2005		Suburban	0°22'06"W	39°28'41"N
	27	ng/m ³	PM10	PM10	2005		Suburban	0°22'06"W	39°28'41"N

	52	ng/m ³	PM10	PM10	2005		Suburban	0°22'06"W	39°28'41"N
	45	ng/m ³	PM10	PM10	2005		Suburban	0°22'06"W	39°28'41"N
	9	ng/m ³	PM10	PM10	2005	Barcelona, Spain	Suburban	02°07'09"E	41°23'05"N
	3	ng/m ³	PM2.5	PM2.5	2005		Suburban	02°07'09"E	41°23'05"N
	4	ng/m ³	PM2.5	PM2.5	2004	London, Uk	Urban	0°07'W	51°30'N
16	56	µg/g	APM	TSP	2000	Bunkyo-Ku, Tokyo	Urban	139°44'E	35°41'N
17	0.22	ng/m ³	APM	TSP	1989	Ny-Ålesund, Spitsbergen, Norway	Background	11°57'E	78°55'N
	0.048	ng/m ³	APM	TSP	1989	Ny-Ålesund, Spitsbergen, Norway	Background	11°57'E	78°55'N
	0.108	ng/m ³	APM	TSP	1989	Ny-Ålesund, Spitsbergen, Norway	Background	11°57'E	78°55'N
	0.092	ng/m ³	APM	TSP	1989	Ny-Ålesund, Spitsbergen, Norway	Background	11°57'E	78°55'N
	0.002	ng/m ³	APM	TSP	1989	Ny-Ålesund, Spitsbergen, Norway	Background	11°57'E	78°55'N
	0.125	ng/m ³	APM	TSP	1989	Vardø, Norway	Background	31°10'E	70°23'N
	0.093	ng/m ³	APM	TSP	1989	Vardø, Norway	Background	31°10'E	70°23'N
	0.12	ng/m ³	APM	TSP	1989	Vardø, Norway	Background	31°10'E	70°23'N
	0.013	ng/m ³	APM	TSP	1989	Vardø, Norway	Background	31°10'E	70°23'N
18	0.088	ng/m ³	Aerosol Particle	TSP	1992	Bermuda	Background	64°46'W	32°20'N
	0.034	ng/m ³	Aerosol Particle	TSP	1992	Barbados	Background	59°54'W	13°20'N
19	5.1	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	5.2	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	3.7	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	4	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	3.8	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	4.2	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	3.2	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N

	3.5	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	8.1	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	6.6	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	7.9	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	3.4	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	4.8	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	10	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	2.9	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	5	ng/m ³	atmospheric aerosol	TSP	1971	Heidelberg, Germany	Urban	8°42'E	49°25'N
	50.8	ng/m ³	atmospheric aerosol	TSP	1971	Paris, French	Urban	2°25'E	48°52'N
20	40.1	ng/m ³	TSP	TSP	2008	Tsinghua University, Beijing, China	Urban	116.33°E	40.0°N
	32.1	ng/m ³	TSP	TSP	2008	Tsinghua University, Beijing, China	Urban	116.33°E	40.0°N
	34.7	ng/m ³	TSP	TSP	2008	Tsinghua University, Beijing, China	Urban	116.33°E	40.0°N
	44.2	ng/m ³	TSP	TSP	2008	Tsinghua University, Beijing, China	Urban	116.33°E	40.0°N
	44.9	ng/m ³	TSP	TSP	2008	Tsinghua University, Beijing, China	Urban	116.33°E	40.0°N
	43.7	ng/m ³	TSP	TSP	2008	Tsinghua University, Beijing, China	Urban	116.33°E	40.0°N
21	0.032	ng/m ³	APM	TSP	1976	Mount Etna Volcano, Italy	Background	15°00'E	37°45'N
	0.038	μg/m ³	APM	TSP	1976	Mount Etna Volcano, Italy	Background	15°00'E	37°45'N
22	1.7	pg/m ³	atmospheric particulate	TSP	1974	South Pole Station	Background	0°E	90°S
23	4.53	ng/m ³	air particulate matter	TSP	2010	Saclay, Near Paris, France	Urban	2.13°E	48.36'N
24	11	ng/m ³	Aerosol Particle Samples	TSP	1992	National Center For Marine Environment Forecasts, Beijing, China	Urban	116.396°E	39.930°N
	7.1	ng/m ³	Aerosol Particle Samples	TSP	1992	National Center For Marine Environment Forecasts, Beijing, China	Urban	116.396°E	39.930°N
	5.8	ng/m ³	Aerosol Particle Samples	TSP	1992	Mallipo Beach, South Korea	Urban	126.573°E	36.275°N

	2.4	ng/m ³	Aerosol Particle Samples	TSP	1992	Mallipo Beach, South Korea	Urban	126.573°E	36.275°N
25	0.11	ng/m ³	atmospheric particulate matter	TSP	1979	North Atlantic	Background	15-30°W	13-37°N
	0.11	ng/m ³	atmospheric particulate matter	TSP	1979	North Atlantic	Background	42-67°W	13-42°N
26	3.57	ng/m ³	aerosol TSP	TSP	2003	Zeromskiego Street, Lodz City, Poland	Urban	19.4466 E	51.6878N
	6.3	ng/m ³	aerosol TSP	TSP	2003	Kilinskiego Street, Lodz City, Poland	Urban	19.4534 E	51.7693N
	2.06	ng/m ³	aerosol TSP	TSP	2003	Zeromskiego Street, Lodz City, Poland	Urban	19.4466 E	51.6878N
	83	ng/m ³	aerosol TSP	TSP	2003	Milan, Italy	Urban	9°10'E	45°28'N
27	516	ng/m ³	PM2.5	PM2.5	2018	Korangi, Karachi, Pakistan	Urban	67.045° E	24.855°N
	280	ng/m ³	PM2.5	PM2.5	2018	Tibet Center, Karachi, Pakistan	Urban	67.012°E	24.858°N
28	0.63	ng/m ³	PM2.5	PM2.5	2002	Sandy Hook, New Jersey Harbor Estuary, New York, America	Suburban	74.00°W	40.46°N
	2.1	ng/m ³	PM2.5	PM2.5	2002	Liberty Science Center, New Jersey Harbor Estuary, New York, America	Suburban	74.05°W	40.71°N
	0.88	ng/m ³	PM2.5	PM2.5	2002	New Brunswick, New Jersey Harbor Estuary, New York, America	Urban	74.43°W	40.48°N
29	15	ng/m ³	TSP	TSP	2005	Downtown Pavia, Italy	Urban	9°9'E	45°11'N
	25	ng/m ³	TSP	TSP	2005	Downtown Pavia, Italy	Urban	9°9'E	45°11'N
	14	ng/m ³	TSP	TSP	2005	Downtown Pavia, Italy	Urban	9°9'E	45°11'N
	15	ng/m ³	TSP	TSP	2005	Downtown Pavia, Italy	Urban	9°9'E	45°11'N
	11	ng/m ³	TSP	TSP	2005	Downtown Pavia, Italy	Urban	9°9'E	45°11'N
	17	ng/m ³	TSP	TSP	2005	Downtown Pavia, Italy	Urban	9°9'E	45°11'N
	8	ng/m ³	TSP	TSP	2005	Downtown Pavia, Italy	Urban	9°9'E	45°11'N
30	1770	ng	air particulate matter	TSP	2000	Milan, Italy	Urban	9°10'E	45°28'N
	26.9	ng/m ³	air particulate matter	TSP	2000	Milan, Italy	Urban	9°10'E	45°28'N
	233	ng	air particulate matter	TSP	2000	Ispra, Italy	Background	8.61°E	45.81°N
	1.85	ng/m ³	air particulate matter	TSP	2000	Ispra, Italy	Background	8.61°E	45.81°N

31	195	µg/g	APM sample	TSP	2000	Tokyo, Japan	Urban	139°44'E	35°41'N
32	1.77	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.96	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.72	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	1.13	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	1.33	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.68	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	2.23	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.95	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.81	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	1.11	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	1.43	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.54	ng/m³	PM10	PM10	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.69	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.3	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.31	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.33	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.14	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.97	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.31	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.093	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.38	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.47	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N
	0.16	ng/m³	PM2.5	PM2.5	2007	Oleiros, A Coruña, Spain	Suburban	8.17°W	43.2°N

33	16	ng/m ³	PM2.5	PM2.5	2011	Nilufer, Bursa, Turkey	Urban	29°03'E	40°12'N
34	0.157	µg/m ³	TSP	TSP	2008	Islamabad, Pakistan	Urban	73°08'E	33°40'N
35	2.41	ng/m ³	PM10	PM10	2017	Lepanto, Cordoba, Spain	Suburban	4.76°W	37.89°N
	2.43	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	4.58	ng/m ³	PM10	PM10	2017	Alnasir, Cordoba, Spain	Urban	4.77°W	37.89°N
	4.02	ng/m ³	PM10	PM10	2017	Granada Norte, Spain	Urban	3.61°W	37.32°N
	5.9	ng/m ³	PM10	PM10	2011	Granada Norte, Spain	Urban	3.61°W	37.32°N
	5.2	ng/m ³	PM10	PM10	2012	Granada Norte, Spain	Urban	3.61°W	37.32°N
	6.2	ng/m ³	PM10	PM10	2013	Granada Norte, Spain	Urban	3.61°W	37.32°N
	6	ng/m ³	PM10	PM10	2013	Alnasir, Cordoba, Spain	Urban	4.77°W	37.89°N
	9	ng/m ³	PM10	PM10	2011	Lepanto, Cordoba, Spain	Suburban	4.76°W	37.89°N
	4.7	ng/m ³	PM10	PM10	2012	Lepanto, Cordoba, Spain	Suburban	4.76°W	37.89°N
	5	ng/m ³	PM10	PM10	2013	Lepanto, Cordoba, Spain	Suburban	4.76°W	37.89°N
	6	ng/m ³	PM10	PM10	2012	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	11	ng/m ³	PM10	PM10	2013	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	50.4	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	49.4	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	68.6	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	47.8	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	273	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	93.6	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	82.3	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	120	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
	125	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N

	119	ng/m ³	PM10	PM10	2017	Parque Joyero, Cordoba, Spain	Urban	4.81°W	37.88°N
36	12	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°33'13.40"W	33°1'19.42"S
	15	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°33'45.62"W	33°1'29.74"S
	30	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°26'41.55"W	33°2'43.91"S
	30	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°26'26.27"W	33°2'53.48"S
	13	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°36'23.20"W	33°2'30.98"S
	16	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°33'35.81"W	33°6'51.42"S
	14	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°36'21.62"W	33°2'43.94"S
	25	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°36'27.40"W	33°2'50.53"S
	3	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°26'43.00"W	33°2'44.29"S
	2.5	mg/kg	road dust(<37μm)	dust	2013	Valparaiso, Chile	Urban	71°34'13.12"W	33°8'44.65"S
	178	mg/kg	APM(<10μm)	PM10	2013	Avenida Espana, Valparaiso, Chile	Urban	71°35'45.77"W	33°2'3.44"S
37	1.8	μg/g	volcanic ash	ash	2016	Chaitén Village, Chile	Urban	72°42'34.13"W	42°55'14.20"S
	0.4	μg/g	volcanic ash	ash	2016	Aerodrome, Chile	Urban	72°41'55.87"W	42°56'1.39"S
38	43.9	ng/m ³	airborne particulate matter	TSP	2012	Islamabad, Pakistan	Urban	72°24'E	33°49'N
39	10	ng/m ³	PM10-2.0	PM2-10	2006	Széna Square, Budapest, Hungary	Urban	19°01.7'E	47°30.5'N
	5.5	ng/m ³	PM2.0	PM2	2006	Széna Square, Budapest, Hungary	Urban	19°01.7'E	47°30.5'N
	10	ng/m ³	PM10-2.0	PM2-10	2006	5 Rákóczi Street, Budapest, Hungary	Urban	19°03.6'E	47°29.6'N
	5.5	ng/m ³	PM2.0	PM2	2006	5 Rákóczi Street, Budapest, Hungary	Urban	19°03.6'E	47°29.6'N
40	22.7	ng/m ³	PM10	PM10	2004	Shanghai, China	Urban	121°30'32.95"E	31°17'45.87"N
	70	ng/m ³	PM10	PM10	2004	Taiwan, China	Urban	120.960°E	23.986°N
41	5	ng/m ³	TSP	TSP	2006	Faisalabad, Pakistan	Urban	73°09'E	31°25'N
42	1.39	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jerseyamerica	Urban	74.10°W	48.84°N
	1.47	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jerseyamerica	Urban	74.10°W	48.84°N

	3.49	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	2.66	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	5.64	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	3.84	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	3.05	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	5.89	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	6.29	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	1.97	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	0.373	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	2.04	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	5.8	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	1.56	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
	1.51	ng/m ³	PM2.5	PM2.5	2011	New Jersey Turnpike, New Jersey, America	Urban	74.10°W	48.84°N
43	3.42	ng/m ³	PM2.5	PM2.5	2009	Centro, Guadalajara, Mexico	Urban	103.35°W	20.675°N
	7.32	ng/m ³	PM2.5	PM2.5	2009	Miravalle, Guadalajara, Mexico	Urban	103.36°W	20.508°N
44	1.52	ng/m ³	PM2.5	PM2.5	2009	Lisbon, Portugal	Urban	9°8'W	38°44'N
45	175	µg/g	PM10	PM10	2007	Nagoya University, Nagoya, Japan	Urban	136°55'E	35°10'N
	3.6	ng/m ³	PM10	PM10	2007	Nagoya University, Nagoya, Japan	Urban	136°55'E	35°10'N
46	110	µg/g	PM(2.5–10 µm)	PM2.5-10	2009	Near Road In Raleigh, North Carolina, America	Urban	78°36'25"W	35°44'12"N
	54	µg/g	PM(0.1–2.5 µm)	PM0.1-2.5	2009	Near Road In Raleigh, North Carolina, America	Urban	78°36'25"W	35°44'12"N
	47	µg/g	PM(<0.1µm)	PM<0.1	2009	Near Road In Raleigh, North Carolina, America	Urban	78°36'25"W	35°44'12"N
41	µg/g	PM(2.5–10 µm)	PM2.5-10	2009	Far Road In Raleigh, North Carolina, America	Urban	78°36'36"W	35°43'48"N	
24	µg/g	PM(0.1–2.5 µm)	PM0.1-2.5	2009	Far Road In Raleigh, North Carolina, America	Urban	78°36'36"W	35°43'48"N	
42	µg/g	PM(<0.1µm)	PM<0.1	2009	Far Road In Raleigh, North Carolina, America	Urban	78°36'36"W	35°43'48"N	

47	5.2	ng/m ³	PM10	PM10	2010	La Sapienza University, Rome, Italy	Urban	12°37'E	41°52'N
48	23.5	ng/m ³	Airborne dust	TSP	2005	Frankfurt Am Main, Germany	Urban	8°34'E	50°02'N
	6.1	ng/m ³	Airborne dust	TSP	2005	Frankfurt Am Main, Germany	Urban	8°34'E	50°02'N
	3.1	ng/m ³	Airborne dust	TSP	2005	Frankfurt Am Main, Germany	Suburban	8°34'E	50°02'N
49	15.5	µg/g	TSP	TSP	2010	Ottawa, Canada	Urban	75°43'W	45°25'N
	40.9	µg/g	TSP	TSP	2010	Ottawa, Canada	Urban	75°43'W	45°25'N
50	5.1	ng/m ³	APM(0.5–0.7µm)	PM0.5-0.7	2010	Tatebayashi, Japan	Urban	139.5°E	36.2°N
	4.2	ng/m ³	APM(0.5–0.7µm)	PM0.5-0.7	2010	Maebashi, Japan	Urban	139.1°E	36.4°N
	6.8	ng/m ³	APM(3.6–5.2µm)	PM3.6-5.2	2010	Tatebayashi, Japan	Urban	139.3°E	36.6°N
	1.7	ng/m ³	APM(3.6–5.2µm)	PM3.6-5.2	2010	Maebashi, Japan	Urban	139.7°E	36.8°N
51	4	ng/m ³	PM10	PM10	2010	El Prat Airport, Barcelona, Spain	Urban	2°06'E	41°18'N
52	620	ng/m ³	APM	TSP	2010	Buenos Aires, Argentina.	Urban	58.4°W	34.6°S
	920	ng/m ³	APM	TSP	2010	Buenos Aires, Argentina.	Urban	58.4°W	34.6°S
	820	ng/m ³	APM	TSP	2010	Buenos Aires, Argentina.	Urban	58.4°W	34.6°S
	1820	ng/m ³	APM	TSP	2010	Buenos Aires, Argentina.	Urban	58.4°W	34.6°S
53	2.5	ng/m ³	PM2.5	PM2.5	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	10	ng/m ³	PM10	PM10	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	10	ng/m ³	TSP	TSP	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	380	ppm	PM10	PM10	2011	Karlsruhe, Germany	Urban	8°24'E	49°00'N
	212	ppm	PM10	PM10	2011	Karlsruhe, Germany	Urban	8°24'E	49°00'N
	86	ppm	PM2.5	PM2.5	2011	Karlsruhe, Germany	Urban	8°24'E	49°00'N
	144	ppm	PM10	PM10	2011	Karlsruhe, Germany	Urban	8°24'E	49°00'N
	76	ppm	PM10	PM10	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	105	ppm	PM10	PM10	2011	Berlin, Germany	Urban	13°20'E	52°31'N

	66	ppm	PM2.5	PM2.5	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	121	ppm	PM10	PM10	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	226	ppm	TSP	TSP	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	311	ppm	PM10	PM10	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	147	ppm	PM2.5	PM2.5	2011	Berlin, Germany	Urban	13°20'E	52°31'N
	287	ppm	PM10	PM10	2011	Berlin, Germany	Urban	13°20'E	52°31'N
54	6.96	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	2.92	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	5.37	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	4.17	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	6.96	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	4.13	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	2.84	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	3.24	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	2.08	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	2.38	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	1.64	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	1.68	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	2.45	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	2.68	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
	2.22	ng/m ³	PM10	PM10	2011	Rome, Italy	Urban	12°37'E	41°52'N
55	0.46	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
	0.72	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
	0.88	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N

0.42	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.59	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.93	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.24	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
0.39	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
0.51	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
0.2	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
0.24	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
0.25	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
0.24	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.32	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.35	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.17	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
0.22	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
0.23	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
0.44	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
0.68	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
0.91	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
0.39	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.72	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.99	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
0.28	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
0.39	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
0.47	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N

	0.89	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
	1.05	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
	1.17	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.349°E	51.013°N
	0.53	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
	0.77	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
	0.96	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Urban	2.468°E	50.612°N
	0.25	ng/m ³	PM1	PM1	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
	0.33	ng/m ³	PM2.5	PM2.5	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
	0.38	ng/m ³	PM10	PM10	2012	Nord-Pas-De-Calais Region (Npdc), France	Background	2.875°E	50.206°N
56	9.22	ng/m ³	PM10	PM10	2008	Rome, Italy	Urban	12°37'E	41°52'N
57	4.2	ng/m ³	PM10	PM10	2007	Puertollano, Spain	Urban	04°05'19"W	38°41'64"N
	3.2	ng/m ³	PM2.5	PM2.5	2007	Puertollano, Spain	Urban	04°05'19"W	38°41'64"N
58	593.1	ng/m ³	TSP(indoor)	TSP	2011	Wah Cantt, Pakistan	Urban	72.7°E	33.8°N
	583.8	ng/m ³	TSP(ourdoor)	TSP	2011	Wah Cantt, Pakistan	Urban	72.7°E	33.8°N
59	10	ng/m ³	TSP	TSP	2005	Kacanik, Kosovo, Republic of Serbia	Urban	21.2571°E	42.3166°N
	7.5	ng/m ³	TSP	TSP	2005	Urosevac, Kosovo, Republic of Serbia	Urban	21.1527°E	42.4991°N
	6.6	ng/m ³	TSP	TSP	2005	Pristina, Kosovo, Republic of Serbia	Urban	21.1911°E	42.9468°N
	11	ng/m ³	TSP	TSP	2005	Mitrovica, Kosovo, Republic of Serbia	Urban	20.8834°E	42.8744°N
60	4.15	ng/m ³	PM	PM10	2002	Taejon(Deajeon) City, South Korea	Urban	127.267°E	34.71°N
	11.1	ng/m ³	PM	PM10	2002	Taejon(Deajeon) City, South Korea	Urban	127.267°E	34.71°N
	3.3	ng/m ³	PM	PM10	2002	Taejon(Deajeon) City, South Korea	Urban	127.267°E	34.71°N
	13.19	ng/m ³	PM	PM10	2002	Taejon(Deajeon) City, South Korea	Urban	127.267°E	34.71°N
	6.55	ng/m ³	PM	PM10	2002	Taejon(Deajeon) City, South Korea	Urban	127.267°E	34.71°N
	6.25	ng/m ³	PM	PM10	2002	Taejon(Deajeon) City, South Korea	Urban	127.267°E	34.71°N

	7.14	ng/m ³	PM	PM10	2002	Taejon(Deajeon) City, South Korea	Urban	127.267°E	34.71°N
	7.7	ng/m ³	PM	PM10	2002	Taejon(Deajeon) City, South Korea	Urban	127.267°E	34.71°N
61	30.3	ng/m ³	APM	TSP	2010	Ezeiza, Buenos Aires, Argentine	Urban	58.517°W	34.833°S
	29.1	ng/m ³	APM	TSP	2010	Ezeiza, Buenos Aires, Argentine	Urban	58.517°W	34.833°S
	30	ng/m ³	APM	TSP	2010	Ezeiza, Buenos Aires, Argentine	Urban	58.517°W	34.833°S
	26.4	ng/m ³	APM	TSP	2010	Ezeiza, Buenos Aires, Argentine	Urban	58.517°W	34.833°S
	24.7	ng/m ³	APM	TSP	2010	San Nicolás, Buenos Aires, Argentine	Urban	60.200°W	33.333°S
	27	ng/m ³	APM	TSP	2010	San Nicolás, Buenos Aires, Argentine	Urban	60.200°W	33.333°S
	33.9	ng/m ³	APM	TSP	2010	San Nicolás, Buenos Aires, Argentine	Urban	60.200°W	33.333°S
62	15.8	ng/m ³	PM2.5	PM2.5	2009	Jauhar Town, Lahore, Pakistan	Urban	74.253°E	31.470°N
	18.6	ng/m ³	PM2.5	PM2.5	2009	Jauhar Town, Lahore, Pakistan	Urban	74.253°E	31.470°N
	12.47	ng/m ³	PM2.5	PM2.5	2009	Jauhar Town, Lahore, Pakistan	Urban	74.253°E	31.470°N
63	0.57	ng/m ³	PM2.5	PM2.5	2014	Fire Station, Port Talbot, South Wales, United Kingdom	Urban	3.773°W	51.583°N
	0.36	ng/m ³	PM2.5-10	PM2.5-10	2014	Fire Station, Port Talbot, South Wales, United Kingdom	Urban	3.773°W	51.583°N
	0.99	ng/m ³	PM2.5	PM2.5	2014	Prince Street , Port Talbot, South Wales, United Kingdom	Urban	3.769°W	51.580°N
	0.66	ng/m ³	PM2.5-10	PM2.5-10	2014	Prince Street , Port Talbot, South Wales, United Kingdom	Urban	3.769°W	51.580°N
	0.38	ng/m ³	PM2.5	PM2.5	2014	Dyffryn School, Port Talbot, South Wales, United Kingdom	Urban	3.749°W	51.567°N
	0.13	ng/m ³	PM2.5-10	PM2.5-10	2014	Dyffryn School, Port Talbot, South Wales, United Kingdom	Urban	3.749°W	51.567°N
	0.53	ng/m ³	PM2.5	PM2.5	2014	Little Warren, Port Talbot, South Wales, United Kingdom	Background	3.803°W	51.587°N
	0.11	ng/m ³	PM2.5-10	PM2.5-10	2014	Little Warren, Port Talbot, South Wales, United Kingdom	Background	3.803°W	51.587°N
	2.47	ng/m ³	APM(<2μm)	PM2	2008	Tokyo, Japan	Urban	139.7°E	35.7°N
64	2.17	ng/m ³	APM(<2μm)	PM2	2008	Maebashi, Japan	Suburban	139.1°E	36.4°N
	0.498	ng/m ³	APM(<2μm)	PM2	2008	Akagi, Japan	Background	139.2°E	36.5°N
65	14.4	ng/m ³	TSP	TSP	2014	Beijing, China	Urban	116°20'E	39°56'N

10.47	ng/m ³	TSP	TSP	2014	Beijing, China	Urban	116°20'E	39°56'N	
19.82	ng/m ³	TSP	TSP	2014	Beijing, China	Urban	116°20'E	39°56'N	
16.89	ng/m ³	TSP	TSP	2014	Beijing, China	Urban	116°20'E	39°56'N	
13.3	ng/m ³	PM10	PM10	2014	Beijing, China	Urban	116°20'E	39°56'N	
9.66	ng/m ³	PM10	PM10	2014	Beijing, China	Urban	116°20'E	39°56'N	
21.46	ng/m ³	PM10	PM10	2014	Beijing, China	Urban	116°20'E	39°56'N	
12.28	ng/m ³	PM10	PM10	2014	Beijing, China	Urban	116°20'E	39°56'N	
9.66	ng/m ³	PM2.5	PM2.5	2014	Beijing, China	Urban	116°20'E	39°56'N	
8.24	ng/m ³	PM2.5	PM2.5	2014	Beijing, China	Urban	116°20'E	39°56'N	
9.66	ng/m ³	PM2.5	PM2.5	2014	Beijing, China	Urban	116°20'E	39°56'N	
4.02	ng/m ³	PM2.5	PM2.5	2014	Beijing, China	Urban	116°20'E	39°56'N	
16.118	ng/m ³	TSP	TSP	2014	Daxing, Beijing, China	Suburban	116.671°E	39.647°N	
17.557	ng/m ³	TSP	TSP	2014	Beijing Normal University Campus, Beijing, China	Urban	116.359°E	39.960°N	
19.129	ng/m ³	TSP	TSP	2014	4Th North Ring Roadside, Beijing, China	Urban	116.357°E	39.987°N	
11.505	ng/m ³	TSP	TSP	2014	Miyun County, Beijing, China	Background	116.846°E	40.472°N	
14.56	ng/m ³	PM10	PM10	2014	Daxing, Beijing, China	Suburban	116.671°E	39.647°N	
14.56	ng/m ³	PM10	PM10	2014	Beijing Normal University Campus, Beijing, China	Urban	116.359°E	39.960°N	
14.56	ng/m ³	PM10	PM10	2014	4Th North Ring Roadside, Beijing, China	Urban	116.357°E	39.987°N	
5.261	ng/m ³	PM10	PM10	2014	Miyun County, Beijing, China	Background	116.846°E	40.472°N	
9.646	ng/m ³	PM2.5	PM2.5	2014	Daxing, Beijing, China	Suburban	116.671°E	39.647°N	
8.502	ng/m ³	PM2.5	PM2.5	2014	Beijing Normal University Campus, Beijing, China	Urban	116.359°E	39.960°N	
10.493	ng/m ³	PM2.5	PM2.5	2014	4Th North Ring Roadside, Beijing, China	Urban	116.357°E	39.987°N	
3.664	ng/m ³	PM2.5	PM2.5	2014	Miyun County, Beijing, China	Background	116.846°E	40.472°N	
66	0.43	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N

1.09	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
0.93	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
0.81	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.09	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.54	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.7	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.07	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.06	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.21	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.63	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.22	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
2.01	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
1.18	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
0.81	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
0.42	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
0.54	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
0.61	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
0.72	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
2.41	ng/m ³	PM1.8	PM2.5	2010	Modesto, California, America	Urban	120°59'W	37°39'N
0.71	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
1	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
1.98	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
1.04	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
1.19	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N

	1.25	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	1.32	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	1.16	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	0.99	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	0.46	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	1.09	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	0.67	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	0.48	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	2.31	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	0.009	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
	0.006	ng/m ³	PM1.8	PM2.5	2010	Bakersfield, California, America	Urban	119°00'W	35°21'N
67	17.9	ng/m ³	PM0.028-9.92	PM10	2012	Tsinghua, Beijing, China	Urban	116.322°E	40.008°N
	5.3	ng/m ³	PM0.028-9.92	PM10	2012	Tsinghua, Beijing, China	Urban	116.322°E	40.008°N
	23.2	ng/m ³	PM0.028-9.92	PM10	2012	4Th Ring, Beijing, China	Urban	116.338°E	39.986°N
	16.3	ng/m ³	PM0.028-9.92	PM10	2012	4Th Ring, Beijing, China	Urban	116.338°E	39.986°N
	0.6	ng/m ³	PM0.028-9.92	PM10	2012	Miyun, Beijing, China	Background	116.83°E	40.37°N
68	2.29	ng/m ³	APM(<0.49μm)	PM<0.49	2011	Hangzhou, China	Urban	120.19°E	30.27°N
	1.05	ng/m ³	APM(0.49~0.95μm)	PM0.49-0.95	2011	Hangzhou, China	Urban	120.19°E	30.27°N
	0.63	ng/m ³	APM(0.95~1.50μm)	PM0.95-1.5	2011	Hangzhou, China	Urban	120.19°E	30.27°N
	0.45	ng/m ³	APM(1.50~3.00μm)	PM1.5-3	2011	Hangzhou, China	Urban	120.19°E	30.27°N
	0.23	ng/m ³	APM(3.00~7.20μm)	PM3-7.2	2011	Hangzhou, China	Urban	120.19°E	30.27°N
	0.17	ng/m ³	APM(>7.20μm)	PM>7.2	2011	Hangzhou, China	Urban	120.19°E	30.27°N
69	25.84	ng/m ³	PM(2.5-10 μm)	PM2.5-10	2008	Navi Mumbai, India	Urban	73°E	20°N
	26.65	ng/m ³	PM(< 2.5 μm)	PM2.5	2008	Navi Mumbai, India	Urban	73°E	20°N

70	1.5	ng/m ³	PM2.5	PM2.5	2005	Bobadela, Lisbon, Portugal	Urban	9°05'29"W	38°48'50"N
	0.7	ng/m ³	PM2.5	PM2.5	2005	Maritime	Urban	9°05'29"W	38°48'50"N
	1.3	ng/m ³	PM2.5	PM2.5	2005	Maritime Transformed	Urban	9°05'29"W	38°48'50"N
	1.6	ng/m ³	PM2.5	PM2.5	2005	South Continental	Urban	9°05'29"W	38°48'50"N
	1.7	ng/m ³	PM2.5	PM2.5	2005	North, Centre Continental	Urban	9°05'29"W	38°48'50"N
	1.1	ng/m ³	PM2.5	PM2.5	2005	Bobadela, Lisbon, Portugal	Urban	9°05'29"W	38°48'50"N
	0.53	ng/m ³	PM2.5	PM2.5	2005	Maritime	Urban	9°05'29"W	38°48'50"N
	0.77	ng/m ³	PM2.5	PM2.5	2005	Maritime Transformed	Urban	9°05'29"W	38°48'50"N
	1.7	ng/m ³	PM2.5	PM2.5	2005	South Continental	Urban	9°05'29"W	38°48'50"N
	1.1	ng/m ³	PM2.5	PM2.5	2005	North, Centre Continental	Urban	9°05'29"W	38°48'50"N
71	1	ng/m ³	PM10	PM10	2008	Bemantes, Spain	Background	08°10'50"W	43°20'15"N
	1	ng/m ³	PM10	PM10	2008	Montseny, Spain	Background	02°22'40"E	41°46'47"N
	1	ng/m ³	PM10	PM10	2008	Burgos, Spain	Urban	03°38'15"W	42°20'06"N
	2	ng/m ³	PM10	PM10	2008	Mallorca, Spain	Urban	02°35'24"W	39°35'24"N
	1	ng/m ³	PM10	PM10	2008	Cartagena-Santa Ana, Spain	Urban	01°00'40"W	37°39'10"N
	1	ng/m ³	PM10	PM10	2008	Onda, Spain	Urban	00°15'09"W	39°57'44"N
	7	ng/m ³	PM10	PM10	2008	Alcobendas, Spain	Urban	03°37'39"W	40°32'42"N
	2	ng/m ³	PM10	PM10	2008	Badajoz, Spain	Urban	06°34'48"W	38°31'48"N
	3	ng/m ³	PM10	PM10	2008	Las Palmas, Spain	Urban	15°24'49"W	28°08'04"N
	5	ng/m ³	PM10	PM10	2008	L'Alcora, Spain	Urban	00°12'43"W	40°04'07"N
	8	ng/m ³	PM10	PM10	2008	Barcelona-Csic, Spain	Urban	02°07'09"E	41°23'05"N
	4	ng/m ³	PM10	PM10	2008	Huelva, Spain	Urban	05°56'24"W	37°15'21"N
	2	ng/m ³	PM10	PM10	2008	Llodio, Spain	Urban	02°57'44"W	43°08'42"N
	4	ng/m ³	PM10	PM10	2008	Puertollano, Spain	Urban	04°05'19"W	38°41'64"N

	7	ng/m ³	PM10	PM10	2008	Tarragona, Spain	Urban	01°14'52"E	41°07'29"N
	10	ng/m ³	PM10	PM10	2008	Barcelona-Sagrera, Spain	Urban	02°11'22"E	41°25'21"N
72	4.6	ng/m ³	APM	TSP	2011	Bananeira Village, Bahia State, Brazil	Suburban	44°58'W	12°09'S
	4.32	ng/m ³	APM	TSP	2011	Bananeira Village, Bahia State, Brazil	Suburban	44°58'W	12°09'S
	4.4	ng/m ³	APM	TSP	2011	Bananeira Village, Bahia State, Brazil	Suburban	44°58'W	12°09'S
	4.47	ng/m ³	APM	TSP	2011	Bananeira Village, Bahia State, Brazil	Suburban	44°58'W	12°09'S
73	8.9	ng/m ³	APM	PM10	2009	Buenos Aires, Argentina	Urban	58°30'W	34°20'S
	9.2	ng/m ³	APM	PM10	2009	Buenos Aires, Argentina	Urban	58°30'W	34°20'S
	17.8	ng/m ³	APM	PM10	2009	Buenos Aires, Argentina	Urban	58°30'W	34°20'S
	10	ng/m ³	APM	PM10	2009	Buenos Aires, Argentina	Urban	58°30'W	34°20'S
74	0.286	ng/m ³	PM10	PM10	2011	Clinton Drive, Houston, Texas, America	Urban	95.2575°W	29.733611°N
	0.623	ng/m ³	PM10	PM10	2011	Clinton Drive, Houston, Texas, America	Urban	95.2575°W	29.733611°N
	0.571	ng/m ³	PM10	PM10	2011	Clinton Drive, Houston, Texas, America	Urban	95.2575°W	29.733611°N
	0.286	ng/m ³	PM10	PM10	2011	Clinton Drive, Houston, Texas, America	Urban	95.2575°W	29.733611°N
	0.675	ng/m ³	PM10	PM10	2011	Clinton Drive, Houston, Texas, America	Urban	95.2575°W	29.733611°N
	3.688	ng/m ³	PM10	PM10	2011	Clinton Drive, Houston, Texas, America	Urban	95.2575°W	29.733611°N
	2.104	ng/m ³	PM10	PM10	2011	Clinton Drive, Houston, Texas, America	Urban	95.2575°W	29.733611°N
75	4.9	ng/m ³	APM	TSP	2001	Ponzone, Italy	Urban	8.38°E	46.05°N
	4.5	ng/m ³	APM	TSP	2001	Ispra, Italy	Urban	8.61°E	45.81°N
	68.3	ng/m ³	APM	TSP	2001	Milan, Italy	Urban	9°10'E	45°28'N
76	8.6	ng/m ³	PM10	PM10	2006	Urban Area, Rome, Italy	Urban	12.6234°E	41.8548°N
	1	ng/m ³	PM10	PM10	2006	Background Area, Fontechiari, Italy	Background	13.331°E	41.6309°N
	5.9	ng/m ³	PM2.5	PM2.5	2006	Urban Area, Rome, Italy	Urban	12.6234°E	41.8548°N
	0.9	ng/m ³	PM2.5	PM2.5	2006	Background Area, Fontechiari, Italy	Background	13.331°E	41.6309°N

77	3.6	ng/m ³	PM2.5	PM2.5	2006	Policlinico 'Umberto I', Rome	Urban	12.512°E	41.9056°N
	5.53	ng/m ³	PM2.5-10	PM2.5-10	2006	Policlinico 'Umberto I', Rome	Urban	12.512°E	41.9056°N
78	25	ng/m ³	TSP	TSP	1970	East Chicago, Indiana, America	Urban	86.964°W	41.505°N
	5.8	ng/m ³	TSP	TSP	1970	Niles, Michigan, America	Background	86.2368°W	41.8202°N
79	0.44	ng/m ³	PM10	PM10	2011	Nerva, Rio Tinto Mining District, Sevilla, Spain	Urban	6.0044°W	37.0334°N
80	2.4	ng/m ³	PM2.5	PM2.5	1997	Traffic Area, Munich, Germany	Urban	11.53°E	48.10°N
	11.1	ng/m ³	PM2.5-10	PM2.5-10	1997	Traffic Area, Munich, Germany	Urban	11.53°E	48.10°N
	13.4	ng/m ³	PM10	PM10	1997	Traffic Area, Munich, Germany	Urban	11.53°E	48.10°N
	1.26	ng/m ³	PM2.5	PM2.5	1997	Residential Area, Munich, Germany	Urban	11.68°E	48.19°N
	1.93	ng/m ³	PM2.5-10	PM2.5-10	1997	Residential Area, Munich, Germany	Urban	11.68°E	48.19°N
	3.2	ng/m ³	PM10	PM10	1997	Residential Area, Munich, Germany	Urban	11.68°E	48.19°N
81	0.42	ng/Nm ⁻³	TSP	TSP	2005	Himalayas, Nepal	Background	86.681°E	27.811°N
	0.24	ng/m ³	TSP	TSP	2005	Himalayas, Nepal	Background	86.681°E	27.811°N
	0.36	ng/Nm ⁻³	PM10	PM10	2005	Himalayas, Nepal	Background	86.681°E	27.811°N
	0.20	ng/m ³	PM10	PM10	2005	Himalayas, Nepal	Background	86.681°E	27.811°N
	0.22	ng/Nm ⁻³	PM2.5	PM2.5	2005	Himalayas, Nepal	Background	86.681°E	27.811°N
	0.123	ng/m ³	PM2.5	PM2.5	2005	Himalayas, Nepal	Background	86.681°E	27.811°N
82	1.27	ng/m ³	TSP	TSP	2013	Ciep João Xxiii, Santa Cruz, Rio De Janeiro, Brazil	Urban	43.695°W	22.909°S
	1.18	ng/m ³	PM2.5	PM2.5	2013	Ciep João Xxiii, Santa Cruz, Rio De Janeiro, Brazil	Urban	43.695°W	22.909°S
	1.72	ng/m ³	TSP	TSP	2013	Conjunto Alvorada, Santa Cruz, Rio De Janeiro, Brazil	Urban	43.680°W	22.938°S
	1.51	ng/m ³	PM2.5	PM2.5	2013	Conjunto Alvorada, Santa Cruz, Rio De Janeiro, Brazil	Urban	43.680°W	22.938°S
	2.04	ng/m ³	TSP	TSP	2013	Seropédica, Rio De Janeiro, Brazil	Background	43.628°W	22.839°S
	1.51	ng/m ³	PM2.5	PM2.5	2013	Seropédica, Rio De Janeiro, Brazil	Background	43.628°W	22.839°S

83	35.5	ng/m ³	PM2.5	PM2.5	2013	Lagos Mega City, Nigeria	Urban	3.23°E	6.32°N
	20.7	ng/m ³	PM2.5-10	PM2.5-10	2013	Lagos Mega City, Nigeria	Urban	3.23°E	6.32°N
84	1.22	ng/m ³	PM3	PM2.5	2006	Kilinskiego Street, Łódź, Poland	Urban	19.474°E	51.758°N
	3.42	ng/m ³	PM3	PM2.5	2006	Kilinskiego Street, Łódź, Poland	Urban	19.474°E	51.758°N
	1.43	ng/m ³	PM10	PM10	2006	Kilinskiego Street, Łódź, Poland	Urban	19.474°E	51.758°N
	3.97	ng/m ³	PM10	PM10	2006	Kilinskiego Street, Łódź, Poland	Urban	19.474°E	51.758°N
	2.44	ng/m ³	PM3	PM2.5	2006	Szkołna, Łódź, Poland	Suburban	19.475°E	51.718°N
	0.639	ng/m ³	PM3	PM2.5	2006	Szkołna, Łódź, Poland	Suburban	19.475°E	51.718°N
	1.54	ng/m ³	PM3	PM2.5	2006	Szkołna, Łódź, Poland	Suburban	19.475°E	51.718°N
	2.65	ng/m ³	PM10	PM10	2006	Szkołna, Łódź, Poland	Suburban	19.475°E	51.718°N
	0.742	ng/m ³	PM10	PM10	2006	Szkołna, Łódź, Poland	Suburban	19.475°E	51.718°N
	1.696	ng/m ³	PM10	PM10	2006	Szkołna, Łódź, Poland	Suburban	19.475°E	51.718°N
	3.67	ng/m ³	PM3	PM2.5	2006	Wroblewskiego, Łódź, Poland	Urban	19.449°E	51.740°N
	0.865	ng/m ³	PM3	PM2.5	2006	Wroblewskiego, Łódź, Poland	Urban	19.449°E	51.740°N
	2.268	ng/m ³	PM3	PM2.5	2006	Wroblewskiego, Łódź, Poland	Urban	19.449°E	51.740°N
	4.16	ng/m ³	PM10	PM10	2006	Wroblewskiego, Łódź, Poland	Urban	19.449°E	51.740°N
	1	ng/m ³	PM10	PM10	2006	Wroblewskiego, Łódź, Poland	Urban	19.449°E	51.740°N
	2.58	ng/m ³	PM10	PM10	2006	Wroblewskiego, Łódź, Poland	Urban	19.449°E	51.740°N
85	5.25	ng/m ³	PM2.5	PM2.5	2014	Racibórz, Poland	Suburban	18°142'E	50°52'N
	4.45	ng/m ³	PM1	PM1	2014	Racibórz, Poland	Suburban	18°143'E	50°53'N
	9.48	ng/m ³	PM2.5	PM2.5	2014	Racibórz, Poland	Suburban	18°144'E	50°54'N
	4.19	ng/m ³	PM1	PM1	2014	Racibórz, Poland	Suburban	18°145'E	50°55'N
	4.57	ng/m ³	PM2.5	PM2.5	2014	Racibórz, Poland	Suburban	18°146'E	50°56'N
	2.01	ng/m ³	PM1	PM1	2014	Racibórz, Poland	Suburban	18°147'E	50°57'N

	3.94	ng/m ³	PM2.5	PM2.5	2014	Racibórz, Poland	Suburban	18°148'E	50°58'N
	3.03	ng/m ³	PM1	PM1	2014	Racibórz, Poland	Suburban	18°149'E	50°59'N
	2.94	ng/m ³	PM2.5	PM2.5	2014	Racibórz, Poland	Suburban	18°150'E	50°60'N
	2.15	ng/m ³	PM1	PM1	2014	Racibórz, Poland	Suburban	18°151'E	50°61'N
	1.67	ng/m ³	PM2.5	PM2.5	2014	Racibórz, Poland	Suburban	18°152'E	50°62'N
	1.19	ng/m ³	PM1	PM1	2014	Racibórz, Poland	Suburban	18°153'E	50°63'N
86	76.1	ng/m ³	PM2.5	PM2.5	2009	Mira Loma, Riverside County, California, United States	Suburban	117°31'W	33°59'N
	0.076	µg/m ³	PM2.5	PM2.5	2009	Mira Loma, Riverside County, California, United States	Suburban	117°31'W	33°59'N
	0.076	µg/m ³	PM2.5	PM2.5	2009	Mira Loma, Riverside County, California, United States	Suburban	117°31'W	33°59'N
	0.076	µg/m ³	PM2.5	PM2.5	2009	Mira Loma, Riverside County, California, United States	Suburban	117°31'W	33°59'N
	0.075	µg/m ³	PM2.5	PM2.5	2009	Mira Loma, Riverside County, California, United States	Suburban	117°31'W	33°59'N
	0.077	µg/m ³	PM2.5	PM2.5	2009	Mira Loma, Riverside County, California, United States	Suburban	117°31'W	33°59'N
87	0.7	ng/m ³	PM10	PM10	2015	Doñana Natural Park, Spain	Background	6.500°W	37.000°N
	0.5	ng/m ³	PM2.5	PM2.5	2015	Doñana Natural Park, Spain	Background	6.500°W	37.000°N
	1.9	ng/m ³	PM10	PM10	2015	Huelva, Spain	Urban	6.950°W	37.250°N
	0.8	ng/m ³	PM2.5	PM2.5	2015	Huelva, Spain	Urban	6.950°W	37.250°N
88	0.006	µg/m ³	PM2.5	PM2.5	1996	Point Reyes, America	Urban	122.94°W	38.065°N
	0.006	µg/m ³	PM2.5	PM2.5	1996	Altamont Pass, America	Urban	121.55°W	37.703°N
	0.006	µg/m ³	PM2.5	PM2.5	1996	Pacheco Pass, America	Urban	120.95°W	37.105°N
	0.005	µg/m ³	PM2.5	PM2.5	1996	Crows Landing, America	Urban	121.14°W	37.412°N
	0.006	µg/m ³	PM2.5	PM2.5	1996	Academy, America	Urban	119.81°W	36.894°N
	0.003	µg/m ³	PM2.5	PM2.5	1996	Buttonwillow, America	Urban	122.94°W	38.065°N
	0.006	µg/m ³	PM2.5	PM2.5	1996	Edison, America	Urban	120.51°W	36.246°N
	0.006	µg/m ³	PM2.5	PM2.5	1996	Caliente, America	Urban	120.33°W	36.024°N

	0.006	$\mu\text{g}/\text{m}^3$	PM2.5	PM2.5	1996	Sequoia, America	Urban	119.92°W	36.547°N
	0.007	$\mu\text{g}/\text{m}^3$	PM2.5	PM2.5	1996	Yosemite, America	Urban	120.25°W	37.197°N
	0.007	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Point Reyes, America	Urban	122.94°W	38.065°N
	0.008	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Altamont Pass, America	Urban	121.55°W	37.703°N
	0.004	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Pacheco Pass, America	Urban	120.95°W	37.105°N
	0.006	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Crows Landing, America	Urban	121.14°W	37.412°N
	0.005	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Academy, America	Urban	119.81°W	36.894°N
	0.008	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Buttonwillow, America	Urban	122.94°W	38.065°N
	0.009	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Edison, America	Urban	120.51°W	36.246°N
	0.007	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Caliente, America	Urban	120.33°W	36.024°N
	0.006	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Sequoia, America	Urban	119.92°W	36.547°N
	0.006	$\mu\text{g}/\text{m}^3$	PM10	PM10	1996	Yosemite, America	Urban	120.25°W	37.197°N
89	7.7	ng/m^3	PM10	PM10	2014	Frankfurt Am Main, Germany	Urban	8°41'30.88"E	50°07'28.53"N
	2.7	ng/m^3	PM2.5	PM2.5	2014	Frankfurt Am Main, Germany	Urban	8°41'30.88"E	50°07'28.53"N
	0.5	ng/m^3	PM1	PM1	2014	Frankfurt Am Main, Germany	Urban	8°41'30.88"E	50°07'28.53"N

Note: The literature number corresponds to the reference number.

Table S2 Concentrations of Sb in TSP, PM₁₀, and PM_{2.5} (ng m⁻³) ^a.

	Sb _{TSP}	Sb _{PM10}	Sb _{PM2.5}
n	112	162	149
Mean	9.72	4.82	2.41
SD	9.80	4.08	2.39
Median	6.45	4	1.43
Min	0.0017	0.2013	< 0.15
Max	38	17.9	10.493
Coefficient of Variation	1.008	0.846	0.992
Outlier (%)	8	7	10

a. TSP, total suspended particles; PM₁₀, particles of less than 10 μm; PM_{2.5}, particles of less than 2.5 μm; SD, standard deviation.

Table S3 Regional urban Sb concentrations and median values in TSP, PM₁₀, and PM_{2.5} (ng m⁻³)

Particulate matter (ng m ⁻³)	TSP		PM ₁₀		PM _{2.5}	
	Range	Median	Range	Median	Range	Median
Asia	0.157–583.8	10.02	1.7–640	11.6	2.47–516	10.49
Europe	0.035–83	7.5	0.51–15.5	4.11	0.38–16	2.5
South America	1.27–28.95	4.45	-	11.48	1.18–1.51	1.34
North America	0.21–25	3.27	0.73–1.93	1.18	0.45–76	6

Table S4 EF of Sb in TSP, PM₁₀, and PM_{2.5}.

	EF _{TSP}	EF _{PM10}	Sb _{PM2.5}
n	40	52	46
Mean	3588.08	2962.53	5066.35
SD	9537.36	8036.75	9182.87
Median	1575.09	824.62	544.77
Min	33.6	74.24	102.86
Max	48000	56000	48000

Table S5 Hazard quotients of atmospheric Sb for adults and children in TSP, PM₁₀ and PM_{2.5}

Longitude	Latitude	Sb concentration	Unit	Type	Fields, Province	CDI (Adults)	CDI (Children)	HQ (Adults)	HQ (Children)
72.7°E	33.8°N	583.8	ng/m ³	TSP	Wah Cantt, Pakistan	2.20E-01	3.91E-01	5.51E-01	9.77E-01
9.17°E	45.47°N	83	ng/m ³	TSP	Milan, Italy	3.13E-02	5.55E-02	7.83E-02	1.39E-01
9.17°E	45.47°N	68.3	ng/m ³	TSP	Milan, Italy	2.58E-02	4.57E-02	6.44E-02	1.14E-01
11.97°E	57.72°N	61	ng/m ³	TSP	Gothenburg, Sweden	2.30E-02	4.08E-02	5.75E-02	1.02E-01
2.42°E	48.87°N	50.8	ng/m ³	TSP	Paris, French	1.92E-02	3.40E-02	4.79E-02	8.50E-02
72.4°E	33.82°N	43.9	ng/m ³	TSP	Islamabad, Pakistan	1.66E-02	2.94E-02	4.14E-02	7.34E-02
116.33°E	40°N	40.1	ng/m ³	TSP	Tsinghua University, Beijing, China	1.51E-02	2.68E-02	3.78E-02	6.71E-02
22.1°E	44.42°N	31.3214122	ng/m ³	TSP	Bor, Serbia	1.18E-02	2.10E-02	2.95E-02	5.24E-02
16.37°E	48.2°N	29.69371848	ng/m ³	TSP	Vienna, Austria	1.12E-02	1.99E-02	2.80E-02	4.97E-02
122.95°W	49.25°N	29.0518111	ng/m ³	TSP	Burnaby Lake, BC, Canada	1.10E-02	1.94E-02	2.74E-02	4.86E-02
58.52°W	34.84°S	28.95	ng/m ³	TSP	Ezeiza, Buenos Aires, Argentine	1.09E-02	1.94E-02	2.73E-02	4.84E-02
60.2°W	33.34°S	28.53	ng/m ³	TSP	San Nicolás, Buenos Aires, Argentine	1.08E-02	1.91E-02	2.69E-02	4.77E-02
86.97°W	41.51°N	25	ng/m ³	TSP	East Chicago, Indiana, America	9.43E-03	1.67E-02	2.36E-02	4.18E-02
118.2°W	34.1°N	21.71572673	ng/m ³	TSP	Los Angeles, California, America	8.19E-03	1.45E-02	2.05E-02	3.63E-02
116.36°E	39.99°N	19.129	ng/m ³	TSP	4th north ring roadside, Beijing, China	7.22E-03	1.28E-02	1.80E-02	3.20E-02
119.24°E	32.62°N	18.73544246	ng/m ³	TSP	Nanjing, China	7.07E-03	1.25E-02	1.77E-02	3.13E-02
116.36°E	39.96°N	17.557	ng/m ³	TSP	Beijing Normal University campus, Beijing, China	6.63E-03	1.17E-02	1.66E-02	2.94E-02
6.95°E	37.25°N	16.78679505	ng/m ³	TSP	Huelva, Spain	6.33E-03	1.12E-02	1.58E-02	2.81E-02
116.68°E	39.65°N	16.118	ng/m ³	TSP	Daxing, Beijing, China	6.08E-03	1.08E-02	1.52E-02	2.70E-02
13.5°E	12.79°S	15.49151765	ng/m ³	TSP	Bananeira, Bahia, Brazil	5.85E-03	1.04E-02	1.46E-02	2.59E-02
9.15°E	45.19°N	15	ng/m ³	TSP	downtown Pavia, Italy	5.66E-03	1.00E-02	1.42E-02	2.51E-02
116.85°E	40.48°N	11.505	ng/m ³	TSP	Miyun county, Beijing, China	4.34E-03	7.70E-03	1.09E-02	1.92E-02
58.5°E	34.34°S	11.48	ng/m ³	TSP	Buenos Aires, Argentina	4.33E-03	7.68E-03	1.08E-02	1.92E-02

139.74°E	35.69°N	11	ng/m ³	TSP	Tokyo, Japan	4.15E-03	7.36E-03	1.04E-02	1.84E-02
20.89°E	42.88°N	11	ng/m ³	TSP	Mitrovica, Kosovo, Republic of Serbia	4.15E-03	7.36E-03	1.04E-02	1.84E-02
8.57°E	50.04°N	10.9	ng/m ³	TSP	Frankfurt am Main, Germany	4.11E-03	7.29E-03	1.03E-02	1.82E-02
13.34°E	52.52°N	10	ng/m ³	TSP	Berlin, Germany	3.77E-03	6.69E-03	9.43E-03	1.67E-02
21.26°E	42.32°N	10	ng/m ³	TSP	Kacanik, Kosovo, Republic of Serbia	3.77E-03	6.69E-03	9.43E-03	1.67E-02
11.95°E	78.92°N	9.43	ng/m ³	TSP	at the German Arctic research station in Ny-Alesund	3.56E-03	6.31E-03	8.90E-03	1.58E-02
116.4°E	39.93°N	9.05	ng/m ³	TSP	National Center for Marine Environment Forecasts, Beijing, China	3.42E-03	6.06E-03	8.54E-03	1.51E-02
29.07°E	41°N	9.049518569	ng/m ³	TSP	Göztepe, Istanbul, Turkey	3.41E-03	6.06E-03	8.54E-03	1.51E-02
28.73°E	40.99°N	8.659789088	ng/m ³	TSP	Avcılar, Istanbul, Turkey	3.27E-03	5.79E-03	8.17E-03	1.45E-02
127.27°E	34.71°N	7.7	ng/m ³	TSP	Taejon(Deajeon) city, South Korea	2.91E-03	5.15E-03	7.26E-03	1.29E-02
21.16°E	42.5°N	7.5	ng/m ³	TSP	Urosevac, Kosovo, Republic of Serbia	2.83E-03	5.02E-03	7.08E-03	1.25E-02
139.74°E	35.69°N	7.45	ng/m ³	TSP	Faculty of Science and Engineering, Chuo University, Tokyo, Japan,	2.81E-03	4.99E-03	7.03E-03	1.25E-02
120.49°E	24.15°N	6.860155892	ng/m ³	TSP	Quan-xing, Taiwan, China	2.59E-03	4.59E-03	6.47E-03	1.15E-02
21.2°E	42.95°N	6.6	ng/m ³	TSP	Pristina, Kosovo, Republic of Serbia	2.49E-03	4.42E-03	6.23E-03	1.10E-02
23.59°E	38.07°N	6.585052728	ng/m ³	TSP	Aspropyrgos, Greece	2.48E-03	4.41E-03	6.21E-03	1.10E-02
120.53°E	24.1°N	6.493351674	ng/m ³	TSP	Chang-Hua, Taiwan, China	2.45E-03	4.35E-03	6.13E-03	1.09E-02
120.57°E	24.23°N	6.47042641	ng/m ³	TSP	Bei-shi, Taiwan, China	2.44E-03	4.33E-03	6.10E-03	1.08E-02
19.46°E	51.77°N	6.3	ng/m ³	TSP	Kilinskiego Street, Lodz City, Poland	2.38E-03	4.22E-03	5.94E-03	1.05E-02
120.52°E	24.11°N	6.034846401	ng/m ³	TSP	He-mei, Taiwan, China	2.28E-03	4.04E-03	5.69E-03	1.01E-02
76.34°E	28.89°N	5.96607061	ng/m ³	TSP	New Delhi, Himalayas	2.25E-03	3.99E-03	5.63E-03	9.98E-03
120.56°E	24.31°N	5.931682714	ng/m ³	TSP	Gao-mei, Taiwan, China	2.24E-03	3.97E-03	5.60E-03	9.92E-03
122.75°W	38.81°N	5.931682714	ng/m ³	TSP	East Geysers	2.24E-03	3.97E-03	5.60E-03	9.92E-03
86.24°W	41.83°N	5.8	ng/m ³	TSP	Niles, Michigan, America	2.19E-03	3.88E-03	5.47E-03	9.70E-03
29.01°E	41.06°N	5.794131133	ng/m ³	TSP	Beşiktaş, Istanbul, Turkey	2.19E-03	3.88E-03	5.47E-03	9.69E-03
29.07°E	41.07°N	5.381476387	ng/m ³	TSP	Rasathane, Istanbul, Turkey	2.03E-03	3.60E-03	5.08E-03	9.00E-03

29.02°E	41.25°N	5.243924805	ng/m ³	TSP	Kilyos, Istanbul, Turkey	1.98E-03	3.51E-03	4.95E-03	8.77E-03
8.7°E	49.42°N	5.1	ng/m ³	TSP	Heidelberg, Germany	1.92E-03	3.41E-03	4.81E-03	8.53E-03
73.15°E	31.42°N	5	ng/m ³	TSP	Faisalabad, Pakistan	1.89E-03	3.35E-03	4.72E-03	8.36E-03
8.38°E	46.05°N	4.9	ng/m ³	TSP	Ponzone, Italy	1.85E-03	3.28E-03	4.62E-03	8.20E-03
120.19°E	30.27°N	4.82	ng/m ³	TSP	Hangzhou, China	1.82E-03	3.23E-03	4.55E-03	8.06E-03
58.4°W	34.6°S	4.7	ng/m ³	TSP	Buenos Aires, Argentina	1.77E-03	3.15E-03	4.43E-03	7.86E-03
2.13°E	48.36°N	4.53	ng/m ³	TSP	Saclay, near Paris, France	1.71E-03	3.03E-03	4.27E-03	7.58E-03
8.61°E	45.81°N	4.5	ng/m ³	TSP	Ispra, Italy	1.70E-03	3.01E-03	4.25E-03	7.53E-03
44.97°W	12.15°S	4.45	ng/m ³	TSP	Bananeira Village, Bahia State, Brazil	1.68E-03	2.98E-03	4.20E-03	7.44E-03
126.58°E	36.28°N	4.1	ng/m ³	TSP	Mallipo Beach, South Korea	1.55E-03	2.74E-03	3.87E-03	6.86E-03
122.76°W	38.81°N	3.467216873	ng/m ³	TSP	West Geysers	1.31E-03	2.32E-03	3.27E-03	5.80E-03
21.25°E	48.72°N	3.0087116	ng/m ³	TSP	Košice, Slovakia	1.14E-03	2.01E-03	2.84E-03	5.03E-03
19.45°E	51.69°N	2.815	ng/m ³	TSP	Zeromskiego Street, Lodz City, Poland	1.06E-03	1.88E-03	2.66E-03	4.71E-03
43.63°W	22.84°S	2.04	ng/m ³	TSP	Seropédica, Santa Cruz, Rio de Janeiro, Brazil	7.70E-04	1.37E-03	1.92E-03	3.41E-03
43.68°W	22.94°S	1.72	ng/m ³	TSP	Conjunto Alvorada, Santa Cruz, Rio de Janeiro, Brazil	6.49E-04	1.15E-03	1.62E-03	2.88E-03
0°W	90°S	1.7	pg/m ³	TSP	South Pole Station	6.42E-04	1.14E-03	1.60E-03	2.84E-03
114.25°E	22.22°N	1.6	ng/m ³	TSP	Cape D'Aguilar, Hong Kong, China	6.04E-04	1.07E-03	1.51E-03	2.68E-03
43.7°W	22.91°S	1.27	ng/m ³	TSP	CIEP João XXIII, Santa Cruz, Rio de Janeiro, Brazil	4.79E-04	8.50E-04	1.20E-03	2.12E-03
71.42°W	41.82°N	0.74	ng/m ³	TSP	Narragansett, Rhode Island, America	2.79E-04	4.95E-04	6.98E-04	1.24E-03
86.69°E	27.82°N	0.23485	ng/m ³	TSP	Himalayas, Nepal	8.86E-05	1.57E-04	2.22E-04	3.93E-04
72.95°W	44.54°N	0.21	ng/m ³	TSP	Underhill, Vermont, America	7.92E-05	1.41E-04	1.98E-04	3.51E-04
73.14°E	33.67°N	0.157	μg/m ³	TSP	Islamabad, Pakistan	5.92E-05	1.05E-04	1.48E-04	2.63E-04
22.5°W	25°N	0.11	ng/m ³	TSP	North Atlantic	4.15E-05	7.36E-05	1.04E-04	1.84E-04
54.5°W	27.5°N	0.11	ng/m ³	TSP	North Atlantic	4.15E-05	7.36E-05	1.04E-04	1.84E-04
11.95°E	78.92°N	0.0941	ng/m ³	TSP	Ny-Ålesund, Spitsbergen, Norway	3.55E-05	6.30E-05	8.88E-05	1.57E-04

64.77°W	32.34°N	0.088	ng/m ³	TSP	Bermuda	3.32E-05	5.89E-05	8.30E-05	1.47E-04
31.17°E	70.39°N	0.0769	ng/m ³	TSP	Vardø, Norway	2.90E-05	5.15E-05	7.25E-05	1.29E-04
15°E	37.75°N	0.035	µg/m ³	TSP	Mount Etna Volcano, Italy	1.32E-05	2.34E-05	3.30E-05	5.86E-05
59.9°W	13.34°N	0.034	ng/m ³	TSP	Barbados	1.28E-05	2.28E-05	3.21E-05	5.69E-05
107.58°E	24.83°N	640.00	ng/m ³	PM ₁₀	Dachang, Gaungxi Zhuang Autonomous Region, China	2.42E-01	4.28E-01	6.04E-01	1.07E+00
120.96°E	23.99°N	70.00	ng/m ³	PM ₁₀	Taiwan, China	2.64E-02	4.68E-02	6.60E-02	1.17E-01
3.23°E	6.32°N	56.20	ng/m ³	PM ₁₀	Lagos Mega City, Nigeria	2.12E-02	3.76E-02	5.30E-02	9.40E-02
113.52°E	34.8°N	55.14	ng/m ³	PM ₁₀	Zhengzhou University, China	2.08E-02	3.69E-02	5.20E-02	9.22E-02
73°E	20°N	52.49	ng/m ³	PM ₁₀	Navi Mumbai, India	1.98E-02	3.51E-02	4.95E-02	8.78E-02
0.37°W	39.48°N	26.67	ng/m ³	PM ₁₀	Valencia, Spain	1.01E-02	1.78E-02	2.52E-02	4.46E-02
121.51°E	31.3°N	22.70	ng/m ³	PM ₁₀	Shanghai, China	8.57E-03	1.52E-02	2.14E-02	3.80E-02
116.34°E	39.99°N	19.80	ng/m ³	PM ₁₀	4th Ring, Beijing, China	7.47E-03	1.32E-02	1.87E-02	3.31E-02
19.03°E	47.51°N	15.50	ng/m ³	PM ₁₀	Széna Square, Budapest, Hungary	5.85E-03	1.04E-02	1.46E-02	2.59E-02
19.06°E	47.5°N	15.50	ng/m ³	PM ₁₀	5 Rákóczi Street, Budapest, Hungary	5.85E-03	1.04E-02	1.46E-02	2.59E-02
116.68°E	39.65°N	14.56	ng/m ³	PM ₁₀	Daxing, Beijing, China	5.49E-03	9.74E-03	1.37E-02	2.44E-02
116.36°E	39.96°N	14.56	ng/m ³	PM ₁₀	Beijing Normal University campus, Beijing, China	5.49E-03	9.74E-03	1.37E-02	2.44E-02
116.36°E	39.99°N	14.56	ng/m ³	PM ₁₀	4th north ring roadside, Beijing, China	5.49E-03	9.74E-03	1.37E-02	2.44E-02
11.53°E	48.1°N	13.40	ng/m ³	PM ₁₀	traffic area, Munich, Germany	5.06E-03	8.97E-03	1.26E-02	2.24E-02
116.33°E	40.01°N	11.60	ng/m ³	PM ₁₀	Tsinghua, Beijing, China	4.38E-03	7.76E-03	1.09E-02	1.94E-02
13.34°E	52.52°N	10.00	ng/m ³	PM ₁₀	Berlin, Germany	3.77E-03	6.69E-03	9.43E-03	1.67E-02
2.19°E	41.43°N	10.00	ng/m ³	PM ₁₀	Barcelona-Sagrera, Spain	3.77E-03	6.69E-03	9.43E-03	1.67E-02
12.62°E	41.87°N	9.22	ng/m ³	PM ₁₀	Rome, Italy	3.48E-03	6.17E-03	8.70E-03	1.54E-02
12.52°E	41.91°N	9.13	ng/m ³	PM ₁₀	Policlinico ‘Umberto I’, Rome	3.45E-03	6.11E-03	8.61E-03	1.53E-02
2.12°E	41.39°N	9.00	ng/m ³	PM ₁₀	Barcelona, Spain	3.40E-03	6.02E-03	8.49E-03	1.51E-02
12.63°E	41.86°N	8.60	ng/m ³	PM ₁₀	urban area, Rome, Italy	3.25E-03	5.75E-03	8.11E-03	1.44E-02

8.54°E	47.37°N	8.04	ng/m ³	PM ₁₀	Zürich-Weststrasse(street canyon), Switzerland	3.03E-03	5.38E-03	7.58E-03	1.35E-02
2.12°E	41.39°N	8.00	ng/m ³	PM ₁₀	Barcelona-CSIC, Spain	3.02E-03	5.35E-03	7.55E-03	1.34E-02
8.7°E	50.13°N	7.70	ng/m ³	PM ₁₀	Frankfurt am Main, Germany	2.91E-03	5.15E-03	7.26E-03	1.29E-02
139.74°E	35.69°N	7.22	ng/m ³	PM ₁₀	Faculty of Science and Engineering, Chuo University, Tokyo, Japan,	2.72E-03	4.83E-03	6.81E-03	1.21E-02
3.63°W	40.55°N	7.00	ng/m ³	PM ₁₀	Alcobendas, Spain	2.64E-03	4.68E-03	6.60E-03	1.17E-02
1.25°E	41.13°N	7.00	ng/m ³	PM ₁₀	Tarragona, Spain	2.64E-03	4.68E-03	6.60E-03	1.17E-02
139.3°E	36.6°N	6.80	ng/m ³	PM ₁₀	Tatebayashi, Japan	2.57E-03	4.55E-03	6.42E-03	1.14E-02
22.9°E	40.6°N	5.80	ng/m ³	PM ₁₀	Thessaloniki, Greece	2.19E-03	3.88E-03	5.47E-03	9.70E-03
116.85°E	40.48°N	5.26	ng/m ³	PM ₁₀	Miyun county, Beijing, China	1.99E-03	3.52E-03	4.96E-03	8.80E-03
12.62°E	41.87°N	5.20	ng/m ³	PM ₁₀	La Sapienza University, Rome, Italy	1.96E-03	3.48E-03	4.91E-03	8.70E-03
0.22°W	40.07°N	5.00	ng/m ³	PM ₁₀	L'Alcora, Spain	1.89E-03	3.35E-03	4.72E-03	8.36E-03
58.4°W	34.6°S	4.70	ng/m ³	PM ₁₀	Buenos Aires, Argentina	1.77E-03	3.15E-03	4.43E-03	7.86E-03
120.19°E	30.27°N	4.65	ng/m ³	PM ₁₀	Hangzhou, China	1.75E-03	3.11E-03	4.39E-03	7.78E-03
4.77°W	37.89°N	4.58	ng/m ³	PM ₁₀	Alnasir, Cordoba, Spain	1.73E-03	3.06E-03	4.32E-03	7.66E-03
4.09°W	38.71°N	4.20	ng/m ³	PM ₁₀	Puertollano, Spain	1.58E-03	2.81E-03	3.96E-03	7.03E-03
3.61°W	37.32°N	4.02	ng/m ³	PM ₁₀	Granada Norte, Spain	1.52E-03	2.69E-03	3.79E-03	6.73E-03
2.1°E	41.3°N	4.00	ng/m ³	PM ₁₀	El Prat airport, Barcelona, Spain	1.51E-03	2.68E-03	3.77E-03	6.69E-03
5.94°W	37.26°N	4.00	ng/m ³	PM ₁₀	Huelva, Spain	1.51E-03	2.68E-03	3.77E-03	6.69E-03
4.09°W	38.71°N	4.00	ng/m ³	PM ₁₀	Puertollano, Spain	1.51E-03	2.68E-03	3.77E-03	6.69E-03
139.5°E	36.2°N	3.70	ng/m ³	PM ₁₀	Tatebayashi, Japan	1.40E-03	2.48E-03	3.49E-03	6.19E-03
136.92°E	35.17°N	3.60	ng/m ³	PM ₁₀	Nagoya University, Nagoya, Japan	1.36E-03	2.41E-03	3.40E-03	6.02E-03
12.62°E	41.87°N	3.45	ng/m ³	PM ₁₀	Rome, Italy	1.30E-03	2.31E-03	3.25E-03	5.77E-03
11.68°E	48.19°N	3.20	ng/m ³	PM ₁₀	residential area, Munich, Germany	1.21E-03	2.14E-03	3.02E-03	5.35E-03
15.42°W	28.14°N	3.00	ng/m ³	PM ₁₀	Las Palmas, Spain	1.13E-03	2.01E-03	2.83E-03	5.02E-03
139.1°E	36.4°N	2.70	ng/m ³	PM ₁₀	Maebashi, Japan	1.02E-03	1.81E-03	2.55E-03	4.52E-03

19.48°E	51.76°N	2.70	ng/m ³	PM ₁₀	Kilinskiego Street, Łódź, Poland	1.02E-03	1.81E-03	2.55E-03	4.52E-03
9.1°W	38.82°N	2.60	ng/m ³	PM ₁₀	Bobadela, Lisbon, Portugal	9.81E-04	1.74E-03	2.45E-03	4.35E-03
19.45°E	51.74°N	2.58	ng/m ³	PM ₁₀	Wroblewskiego, Łódź, Poland	9.74E-04	1.73E-03	2.43E-03	4.32E-03
4.81°W	37.88°N	2.43	ng/m ³	PM ₁₀	Parque Joyero, Cordoba, Spain	9.17E-04	1.63E-03	2.29E-03	4.07E-03
4.76°W	37.89°N	2.41	ng/m ³	PM ₁₀	Lepanto, Cordoba, Spain	9.09E-04	1.61E-03	2.27E-03	4.03E-03
2.59°W	39.59°N	2.00	ng/m ³	PM ₁₀	Mallorca, Spain	7.55E-04	1.34E-03	1.89E-03	3.35E-03
6.58°W	38.53°N	2.00	ng/m ³	PM ₁₀	Badajoz, Spain	7.55E-04	1.34E-03	1.89E-03	3.35E-03
2.97°W	43.15°N	2.00	ng/m ³	PM ₁₀	Llodio, Spain	7.55E-04	1.34E-03	1.89E-03	3.35E-03
78.61°W	35.74°N	1.93	ng/m ³	PM ₁₀	near road in Raleigh, North Carolina, America	7.30E-04	1.29E-03	1.83E-03	3.24E-03
6.95°W	37.25°N	1.90	ng/m ³	PM ₁₀	Huelva, Spain	7.17E-04	1.27E-03	1.79E-03	3.18E-03
139.7°E	36.8°N	1.70	ng/m ³	PM ₁₀	Maebashi, Japan	6.42E-04	1.14E-03	1.60E-03	2.84E-03
19.48°E	51.72°N	1.70	ng/m ³	PM ₁₀	Szkołna, Łódź, Poland	6.40E-04	1.13E-03	1.60E-03	2.84E-03
114.25°E	22.22°N	1.66	ng/m ³	PM ₁₀	Cape D'Aguilar, Hong Kong, China	6.26E-04	1.11E-03	1.57E-03	2.78E-03
3.77°W	51.58°N	1.65	ng/m ³	PM ₁₀	Prince Street , Port Talbot, South Wales, United Kingdom	6.23E-04	1.10E-03	1.56E-03	2.76E-03
7.97°E	47.25°N	1.44	ng/m ³	PM ₁₀	Reiden (rural freeway), Switzerland	5.43E-04	9.64E-04	1.36E-03	2.41E-03
8.17°W	43.2°N	1.20	ng/m ³	PM ₁₀	Oleiros, A Coruña, Spain	4.52E-04	8.02E-04	1.13E-03	2.00E-03
95.26°W	29.74°N	1.18	ng/m ³	PM ₁₀	Clinton Drive, Houston, Texas, America	4.44E-04	7.87E-04	1.11E-03	1.97E-03
0.22°W	40.07°N	1.00	ng/m ³	PM ₁₀	L'Alora, Spain	3.77E-04	6.69E-04	9.43E-04	1.67E-03
8.19°W	43.34°N	1.00	ng/m ³	PM ₁₀	Bemantes, Spain	3.77E-04	6.69E-04	9.43E-04	1.67E-03
2.38°E	41.78°N	1.00	ng/m ³	PM ₁₀	Montseny, Spain	3.77E-04	6.69E-04	9.43E-04	1.67E-03
3.64°W	42.34°N	1.00	ng/m ³	PM ₁₀	Burgos, Spain	3.77E-04	6.69E-04	9.43E-04	1.67E-03
1.02°W	37.66°N	1.00	ng/m ³	PM ₁₀	Cartagena-Santa Ana, Spain	3.77E-04	6.69E-04	9.43E-04	1.67E-03
0.26°W	39.97°N	1.00	ng/m ³	PM ₁₀	Onda, Spain	3.77E-04	6.69E-04	9.43E-04	1.67E-03
13.34°E	41.64°N	1.00	ng/m ³	PM ₁₀	rural area, Fontechiari, Italy	3.77E-04	6.69E-04	9.43E-04	1.67E-03
3.78°W	51.59°N	0.93	ng/m ³	PM ₁₀	Fire Station, Port Talbot, South Wales, United Kingdom	3.51E-04	6.22E-04	8.77E-04	1.56E-03

2.47°E	50.62°N	0.81	ng/m ³	PM ₁₀	school B, Nord-Pas-de-Calais region (NPdC), France	3.05E-04	5.40E-04	7.62E-04	1.35E-03
2.35°E	51.02°N	0.80	ng/m ³	PM ₁₀	school A, Nord-Pas-de-Calais region (NPdC), France	3.03E-04	5.37E-04	7.57E-04	1.34E-03
78.61°W	35.73°N	0.73	ng/m ³	PM ₁₀	far road in Raleigh, North Carolina, America	2.77E-04	4.91E-04	6.92E-04	1.23E-03
6.5°W	37°N	0.70	ng/m ³	PM ₁₀	Doñana Natural Park, Spain	2.64E-04	4.68E-04	6.60E-04	1.17E-03
3.81°W	51.59°N	0.64	ng/m ³	PM ₁₀	Little Warren, Port Talbot, South Wales, United Kingdom	2.42E-04	4.28E-04	6.04E-04	1.07E-03
116.83°E	40.37°N	0.60	ng/m ³	PM ₁₀	Miyun, Beijing, China	2.26E-04	4.02E-04	5.66E-04	1.00E-03
3.75°W	51.57°N	0.51	ng/m ³	PM ₁₀	Dyffryn School, Port Talbot, South Wales, United Kingdom	1.92E-04	3.41E-04	4.81E-04	8.53E-04
6.01°W	37.04°N	0.44	ng/m ³	PM ₁₀	Rio Tinto mining district, sevilla, Spain	1.66E-04	2.94E-04	4.15E-04	7.36E-04
2.88°E	50.21°N	0.40	ng/m ³	PM ₁₀	school C, Nord-Pas-de-Calais region (NPdC), France	1.50E-04	2.66E-04	3.75E-04	6.65E-04
86.69°E	27.82°N	0.20	ng/m ³	PM ₁₀	Himalayas, Nepal	7.60E-05	1.35E-04	1.90E-04	3.37E-04
67.05°E	24.86°N	516.00	ng/m ³	PM _{2.5}	Korangi, Karachi, Pakistan	1.95E-01	3.45E-01	4.87E-01	8.63E-01
67.02°E	24.86°N	280.00	ng/m ³	PM _{2.5}	Tibet Center, Karachi, Pakistan	1.06E-01	1.87E-01	2.64E-01	4.68E-01
117.22°E	39.15°N	236.88	ng/m ³	PM _{2.5}	Tianjin, China	8.94E-02	1.59E-01	2.23E-01	3.96E-01
102.18°E	38.5°N	197.15	ng/m ³	PM _{2.5}	Jinchang, China	7.44E-02	1.32E-01	1.86E-01	3.30E-01
116.37°E	39.93°N	157.42	ng/m ³	PM _{2.5}	Beijing, China	5.94E-02	1.05E-01	1.49E-01	2.63E-01
113.27°E	23.14°N	157.42	ng/m ³	PM _{2.5}	Guangzhou, China	5.94E-02	1.05E-01	1.49E-01	2.63E-01
120.2°E	30.3°N	157.42	ng/m ³	PM _{2.5}	Hangzhou, China	5.94E-02	1.05E-01	1.49E-01	2.63E-01
103.8°E	36.04°N	136.76	ng/m ³	PM _{2.5}	Lanzhou, China	5.16E-02	9.15E-02	1.29E-01	2.29E-01
113.27°E	23.14°N	125.24	ng/m ³	PM _{2.5}	Guangzhou, China	4.73E-02	8.38E-02	1.18E-01	2.10E-01
106.57°E	29.56°N	119.08	ng/m ³	PM _{2.5}	Chongqing, China	4.49E-02	7.97E-02	1.12E-01	1.99E-01
121.47°E	31.23°N	117.69	ng/m ³	PM _{2.5}	Shanghai, China	4.44E-02	7.88E-02	1.11E-01	1.97E-01
114.29°E	30.59°N	105.57	ng/m ³	PM _{2.5}	Wuhan, China	3.98E-02	7.06E-02	9.96E-02	1.77E-01
103.84°E	36.05°N	87.81	ng/m ³	PM _{2.5}	Lanzhou, China	3.31E-02	5.88E-02	8.28E-02	1.47E-01
120.38°E	36.07°N	77.96	ng/m ³	PM _{2.5}	Qingdao, China	2.94E-02	5.22E-02	7.35E-02	1.30E-01
118.1°E	24.48°N	77.96	ng/m ³	PM _{2.5}	Xiamen, China	2.94E-02	5.22E-02	7.35E-02	1.30E-01

117.52°W	33.99°N	76.00	ng/m ³	PM _{2.5}	Mira Loma, Riverside County, California, United States	2.87E-02	5.09E-02	7.17E-02	1.27E-01
41.17°W	173.17°N	54.12	ng/m ³	PM _{2.5}	St. Vincent Street, Nelson	2.04E-02	3.62E-02	5.11E-02	9.05E-02
118.2°W	34.1°N	48.56	ng/m ³	PM _{2.5}	Los Angeles, California, America	1.83E-02	3.25E-02	4.58E-02	8.12E-02
113.52°E	34.8°N	44.74	ng/m ³	PM _{2.5}	Zhengzhou University, China	1.69E-02	2.99E-02	4.22E-02	7.48E-02
21.02°E	52.24°N	40.61	ng/m ³	PM _{2.5}	Warsaw, Poland	1.53E-02	2.72E-02	3.83E-02	6.79E-02
110.23°E	22.44°N	38.23	ng/m ³	PM _{2.5}	Yulin, China	1.44E-02	2.56E-02	3.61E-02	6.40E-02
114.1°E	22.2°N	38.23	ng/m ³	PM _{2.5}	Hong Kong, China	1.44E-02	2.56E-02	3.61E-02	6.40E-02
119.24°E	32.62°N	37.83	ng/m ³	PM _{2.5}	Nanjing, China	1.43E-02	2.53E-02	3.57E-02	6.33E-02
18.79°E	50.3°N	36.64	ng/m ³	PM _{2.5}	Zabrze, Poland	1.38E-02	2.45E-02	3.46E-02	6.13E-02
3.23°E	6.32°N	35.50	ng/m ³	PM _{2.5}	Lagos Mega City, Nigeria	1.34E-02	2.38E-02	3.35E-02	5.94E-02
117.02°E	36.67°N	33.54	ng/m ³	PM _{2.5}	Jinan, China	1.27E-02	2.24E-02	3.16E-02	5.61E-02
6.95°W	37.25°N	26.91	ng/m ³	PM _{2.5}	Huelva, Spain	1.02E-02	1.80E-02	2.54E-02	4.50E-02
73°E	20°N	26.65	ng/m ³	PM _{2.5}	Navi Mumbai, India	1.01E-02	1.78E-02	2.51E-02	4.46E-02
38.93°E	100.45°N	22.30	ng/m ³	PM _{2.5}	Zhangye, Gansu, China	8.41E-03	1.49E-02	2.10E-02	3.73E-02
29.05°E	40.2°N	16.00	ng/m ³	PM _{2.5}	Nilufer, Bursa, Turkey	6.04E-03	1.07E-02	1.51E-02	2.68E-02
74.26°E	31.47°N	15.62	ng/m ³	PM _{2.5}	Jauhar Town, Lahore, Pakistan	5.89E-03	1.05E-02	1.47E-02	2.61E-02
1.26°W	51.76°N	14.39	ng/m ³	PM _{2.5}	Oxford, England	5.43E-03	9.63E-03	1.36E-02	2.41E-02
23.73°E	37.99°N	14.31	ng/m ³	PM _{2.5}	Patission, Athens, Greece	5.40E-03	9.58E-03	1.35E-02	2.39E-02
100.3°W	25.67°N	13.16	ng/m ³	PM _{2.5}	Monterrey, México	4.97E-03	8.81E-03	1.24E-02	2.20E-02
33.13°W	9.86°N	10.82	ng/m ³	PM _{2.5}	station 3, Atlantic Ocean	4.08E-03	7.24E-03	1.02E-02	1.81E-02
17.04°E	51.1°N	10.62	ng/m ³	PM _{2.5}	Wrocław, Poland	4.01E-03	7.10E-03	1.00E-02	1.78E-02
116.36°E	39.99°N	10.49	ng/m ³	PM _{2.5}	4th north ring roadside, Beijing, China	3.96E-03	7.02E-03	9.90E-03	1.76E-02
116.68°E	39.65°N	9.65	ng/m ³	PM _{2.5}	Daxing, Beijing, China	3.64E-03	6.45E-03	9.10E-03	1.61E-02
19.02°E	50.25°N	8.63	ng/m ³	PM _{2.5}	Katowice, Poland	3.26E-03	5.78E-03	8.14E-03	1.44E-02
116.36°E	39.96°N	8.50	ng/m ³	PM _{2.5}	Beijing Normal University campus, Beijing, China	3.21E-03	5.69E-03	8.02E-03	1.42E-02

19.32°W	23.55°N	8.03	ng/m ³	PM _{2.5}	station 6, Atlantic Ocean	3.03E-03	5.38E-03	7.58E-03	1.34E-02
103.36°W	20.51°N	7.32	ng/m ³	PM _{2.5}	Miravalle, Guadalajara, Mexico	2.76E-03	4.90E-03	6.91E-03	1.22E-02
19°W	18°N	7.24	ng/m ³	PM _{2.5}	station 5, Atlantic Ocean	2.73E-03	4.84E-03	6.83E-03	1.21E-02
120.25°W	37.2°N	7.00	ng/m ³	PM _{2.5}	Yosemite, America	2.64E-03	4.68E-03	6.60E-03	1.17E-02
18.97°E	50.25°N	6.84	ng/m ³	PM _{2.5}	Katowice, Poland	2.58E-03	4.58E-03	6.46E-03	1.14E-02
23.73°E	37.99°N	6.09	ng/m ³	PM _{2.5}	Patission, Athens, Greece	2.30E-03	4.07E-03	5.74E-03	1.02E-02
23.59°E	38.07°N	6.05	ng/m ³	PM _{2.5}	Aspropyrgos, Greece	2.28E-03	4.05E-03	5.71E-03	1.01E-02
122.94°W	38.07°N	6.00	ng/m ³	PM _{2.5}	Point Reyes, America	2.26E-03	4.02E-03	5.66E-03	1.00E-02
121.55°W	37.71°N	6.00	ng/m ³	PM _{2.5}	Altamont Pass, America	2.26E-03	4.02E-03	5.66E-03	1.00E-02
120.95°W	37.11°N	6.00	ng/m ³	PM _{2.5}	Pacheco Pass, America	2.26E-03	4.02E-03	5.66E-03	1.00E-02
119.81°W	36.9°N	6.00	ng/m ³	PM _{2.5}	Academy, America	2.26E-03	4.02E-03	5.66E-03	1.00E-02
120.51°W	36.25°N	6.00	ng/m ³	PM _{2.5}	Edison, America	2.26E-03	4.02E-03	5.66E-03	1.00E-02
120.33°W	36.03°N	6.00	ng/m ³	PM _{2.5}	Caliente, America	2.26E-03	4.02E-03	5.66E-03	1.00E-02
119.92°W	36.55°N	6.00	ng/m ³	PM _{2.5}	Sequoia, America	2.26E-03	4.02E-03	5.66E-03	1.00E-02
12.63°E	41.86°N	5.90	ng/m ³	PM _{2.5}	urban area, Rome, Italy	2.23E-03	3.95E-03	5.57E-03	9.87E-03
19.03°E	47.51°N	5.50	ng/m ³	PM _{2.5}	Széna Square, Budapest, Hungary	2.08E-03	3.68E-03	5.19E-03	9.20E-03
19.06°E	47.5°N	5.50	ng/m ³	PM _{2.5}	5 Rákóczi Street, Budapest, Hungary	2.08E-03	3.68E-03	5.19E-03	9.20E-03
66.07°W	18.41°N	5.25	ng/m ³	PM _{2.5}	San Juan, Puerto Rico, America	1.98E-03	3.52E-03	4.96E-03	8.79E-03
139.5°E	36.2°N	5.10	ng/m ³	PM _{2.5}	Tatebayashi, Japan	1.92E-03	3.41E-03	4.81E-03	8.53E-03
121.14°W	37.42°N	5.00	ng/m ³	PM _{2.5}	Crows Landing, America	1.89E-03	3.35E-03	4.72E-03	8.36E-03
139.74°E	35.69°N	4.93	ng/m ³	PM _{2.5}	Faculty of Science and Engineering, Chuo University, Tokyo, Japan	1.86E-03	3.30E-03	4.65E-03	8.25E-03
24.69°W	12.81°N	4.86	ng/m ³	PM _{2.5}	station 4, Atlantic Ocean	1.83E-03	3.25E-03	4.58E-03	8.12E-03
18.24°E	50.09°N	4.64	ng/m ³	PM _{2.5}	Racibórz, Poland	1.75E-03	3.11E-03	4.38E-03	7.76E-03
40.42°W	6.18°N	4.46	ng/m ³	PM _{2.5}	station 2, Atlantic Ocean	1.68E-03	2.98E-03	4.21E-03	7.46E-03
139.1°E	36.4°N	4.20	ng/m ³	PM _{2.5}	Maebashi, Japan	1.58E-03	2.81E-03	3.96E-03	7.03E-03

0.12°W	51.5°N	4.00	ng/m ³	PM _{2.5}	London, UK	1.51E-03	2.68E-03	3.77E-03	6.69E-03
120.19°E	30.27°N	3.97	ng/m ³	PM _{2.5}	Hangzhou, China	1.50E-03	2.66E-03	3.75E-03	6.64E-03
116.85°E	40.48°N	3.66	ng/m ³	PM _{2.5}	Miyun county, Beijing, China	1.38E-03	2.45E-03	3.46E-03	6.13E-03
12.52°E	41.91°N	3.60	ng/m ³	PM _{2.5}	Policlinico ‘Umberto I’, Rome	1.36E-03	2.41E-03	3.40E-03	6.02E-03
103.35°W	20.68°N	3.42	ng/m ³	PM _{2.5}	Centro, Guadalajara, Mexico	1.29E-03	2.29E-03	3.23E-03	5.72E-03
4.09°W	38.71°N	3.20	ng/m ³	PM _{2.5}	Puertollano, Spain	1.21E-03	2.14E-03	3.02E-03	5.35E-03
2.12°E	41.39°N	3.00	ng/m ³	PM _{2.5}	Barcelona, Spain	1.13E-03	2.01E-03	2.83E-03	5.02E-03
122.94°W	38.07°N	3.00	ng/m ³	PM _{2.5}	Buttonwillow, America	1.13E-03	2.01E-03	2.83E-03	5.02E-03
8.54°E	47.37°N	2.80	ng/m ³	PM _{2.5}	Zürich-Weststrasse(street canyon), Switzerland	1.06E-03	1.87E-03	2.64E-03	4.68E-03
8.7°E	50.13°N	2.70	ng/m ³	PM _{2.5}	Frankfurt am Main, Germany	1.02E-03	1.81E-03	2.55E-03	4.52E-03
13.34°E	52.52°N	2.50	ng/m ³	PM _{2.5}	Berlin, Germany	9.43E-04	1.67E-03	2.36E-03	4.18E-03
139.7°E	35.7°N	2.47	ng/m ³	PM _{2.5}	Tokyo, Japan	9.32E-04	1.65E-03	2.33E-03	4.13E-03
11.53°E	48.1°N	2.40	ng/m ³	PM _{2.5}	traffic area, Munich, Germany	9.06E-04	1.61E-03	2.26E-03	4.02E-03
19.48°E	51.76°N	2.32	ng/m ³	PM _{2.5}	Kilinskiego Street, Łódź, Poland	8.75E-04	1.55E-03	2.19E-03	3.88E-03
19.45°E	51.74°N	2.27	ng/m ³	PM _{2.5}	Wroblewskiego, Łódź, Poland	8.56E-04	1.52E-03	2.14E-03	3.79E-03
139.1°E	36.4°N	2.17	ng/m ³	PM _{2.5}	Maebashi, Japan	8.19E-04	1.45E-03	2.05E-03	3.63E-03
74.1°W	48.84°N	2.12	ng/m ³	PM _{2.5}	New Jersey Turnpike, New Jersey, America	8.00E-04	1.42E-03	2.00E-03	3.55E-03
74.05°W	40.71°N	2.10	ng/m ³	PM _{2.5}	Liberty Science Center, New Jersey harbor estuary, New York, America	7.92E-04	1.41E-03	1.98E-03	3.51E-03
19.48°E	51.72°N	1.54	ng/m ³	PM _{2.5}	Szkołna, Łódź, Poland	5.81E-04	1.03E-03	1.45E-03	2.58E-03
9.14°W	38.74°N	1.52	ng/m ³	PM _{2.5}	Lisbon, Portugal	5.74E-04	1.02E-03	1.43E-03	2.54E-03
43.68°W	22.94°S	1.51	ng/m ³	PM _{2.5}	Conjunto Alvorada, Santa Cruz, Rio de Janeiro, Brazil	5.70E-04	1.01E-03	1.42E-03	2.53E-03
43.63°W	22.84°S	1.51	ng/m ³	PM _{2.5}	Seropédica, Santa Cruz, Rio de Janeiro, Brazil	5.70E-04	1.01E-03	1.42E-03	2.53E-03
9.1°W	40.71°N	1.50	ng/m ³	PM _{2.5}	Bobadela, Lisbon, Portugal	5.66E-04	1.00E-03	1.42E-03	2.51E-03
49.11°W	38.74°N	1.28	ng/m ³	PM _{2.5}	station 1, Atlantic Ocean	4.83E-04	8.57E-04	1.21E-03	2.14E-03
11.68°E	48.19°N	1.26	ng/m ³	PM _{2.5}	residential area, Munich, Germany	4.75E-04	8.43E-04	1.19E-03	2.11E-03

43.7°W	22.91°S	1.18	ng/m ³	PM _{2.5}	CIEP João XXIII, Santa Cruz, Rio de Janeiro, Brazil	4.45E-04	7.90E-04	1.11E-03	1.97E-03
120.99°W	40.71°N	1.12	ng/m ³	PM _{2.5}	Modesto, California, America	4.23E-04	7.49E-04	1.06E-03	1.87E-03
0.04°W	40.71°N	1.08	ng/m ³	PM _{2.5}	Castellón, Spain	4.08E-04	7.24E-04	1.02E-03	1.81E-03
3.77°W	40.71°N	0.99	ng/m ³	PM _{2.5}	Prince Street, Port Talbot, South Wales, United Kingdom	3.74E-04	6.62E-04	9.34E-04	1.66E-03
119°W	40.71°N	0.98	ng/m ³	PM _{2.5}	Bakersfield, California, America	3.70E-04	6.56E-04	9.25E-04	1.64E-03
78.61°W	40.71°N	0.98	ng/m ³	PM _{2.5}	near road in Raleigh, North Carolina, America	3.70E-04	6.56E-04	9.24E-04	1.64E-03
13.34°E	41.64°N	0.90	ng/m ³	PM _{2.5}	rural area, Fontechiari, Italy	3.40E-04	6.02E-04	8.49E-04	1.51E-03
74.43°W	40.71°N	0.88	ng/m ³	PM _{2.5}	New Brunswick, New Jersey harbor estuary, New York, America	3.32E-04	5.89E-04	8.30E-04	1.47E-03
6.95°W	40.71°N	0.80	ng/m ³	PM _{2.5}	Huelva, Spain	3.02E-04	5.35E-04	7.55E-04	1.34E-03
7.97°E	47.25°N	0.69	ng/m ³	PM _{2.5}	Reiden (rural freeway), Switzerland	2.60E-04	4.62E-04	6.51E-04	1.15E-03
2.35°E	51.02°N	0.67	ng/m ³	PM _{2.5}	school A, Nord-Pas-de-Calais region (NPdC), France	2.54E-04	4.50E-04	6.34E-04	1.13E-03
74°W	40.71°N	0.63	ng/m ³	PM _{2.5}	Sandy Hook, New Jersey harbor estuary, New York, America	2.38E-04	4.22E-04	5.94E-04	1.05E-03
2.47°E	50.62°N	0.60	ng/m ³	PM _{2.5}	school B, Nord-Pas-de-Calais region (NPdC), France	2.26E-04	4.02E-04	5.66E-04	1.00E-03
3.78°W	40.71°N	0.57	ng/m ³	PM _{2.5}	Fire Station, Port Talbot, South Wales, United Kingdom	2.15E-04	3.81E-04	5.38E-04	9.54E-04
3.81°W	40.71°N	0.53	ng/m ³	PM _{2.5}	Little Warren, Port Talbot, South Wales, United Kingdom	2.00E-04	3.55E-04	5.00E-04	8.87E-04
6.5°W	40.71°N	0.50	ng/m ³	PM _{2.5}	Doñana Natural Park, Spain	1.89E-04	3.35E-04	4.72E-04	8.36E-04
139.2°E	36.5°N	0.50	ng/m ³	PM _{2.5}	Akagi, Japan	1.88E-04	3.33E-04	4.70E-04	8.33E-04
78.61°W	40.71°N	0.45	ng/m ³	PM _{2.5}	far road in Raleigh, North Carolina, America	1.70E-04	3.02E-04	4.25E-04	7.54E-04
18.63°E	54.39°N	0.41	ng/m ³	PM _{2.5}	Gdańsk, Poland	1.53E-04	2.72E-04	3.83E-04	6.80E-04
8.17°W	40.71°N	0.40	ng/m ³	PM _{2.5}	Oleiros, A Coruña, Spain	1.50E-04	2.66E-04	3.75E-04	6.64E-04
3.75°W	40.71°N	0.38	ng/m ³	PM _{2.5}	Dyffryn School, Port Talbot, South Wales, United Kingdom	1.43E-04	2.54E-04	3.58E-04	6.36E-04
2.88°E	50.21°N	0.33	ng/m ³	PM _{2.5}	school C, Nord-Pas-de-Calais region (NPdC), France	1.25E-04	2.23E-04	3.14E-04	5.56E-04
86.69°E	27.82°N	0.12	ng/m ³	PM _{2.5}	Himalayas, Nepal	4.64E-05	8.23E-05	1.16E-04	2.06E-04
66.17°W	40.71°N	0.05	ng/m ³	PM _{2.5}	Guaynabo, Puerto Rico, America	1.84E-05	3.27E-05	4.61E-05	8.18E-05

Table S6 Exposure parameters used in this study

Parameter ^a	Unit	Adult Reference	Child Reference	Reference
IR	$\text{m}^3 \text{ day}^{-1}$	20	7.6	90
ET	hour day^{-1}	24	24	90
EF	day year^{-1}	350	350	90
ED	years	24	6	90
AT	hour	$24 * 365 * 24$	$6 * 365 * 24$	90
BW	kg	70	15	90
RfD	$\text{mg kg}^{-1} \text{ day}^{-1}$	$4 * 10^{-4}$	$4 * 10^{-4}$	91

a. *IR*, inhalation rate; *ET*, exposure time; *EF*, exposure frequency; *ED*, exposure duration; *AT*, average time; *BW*, average body weight; *RfD*, reference dose.

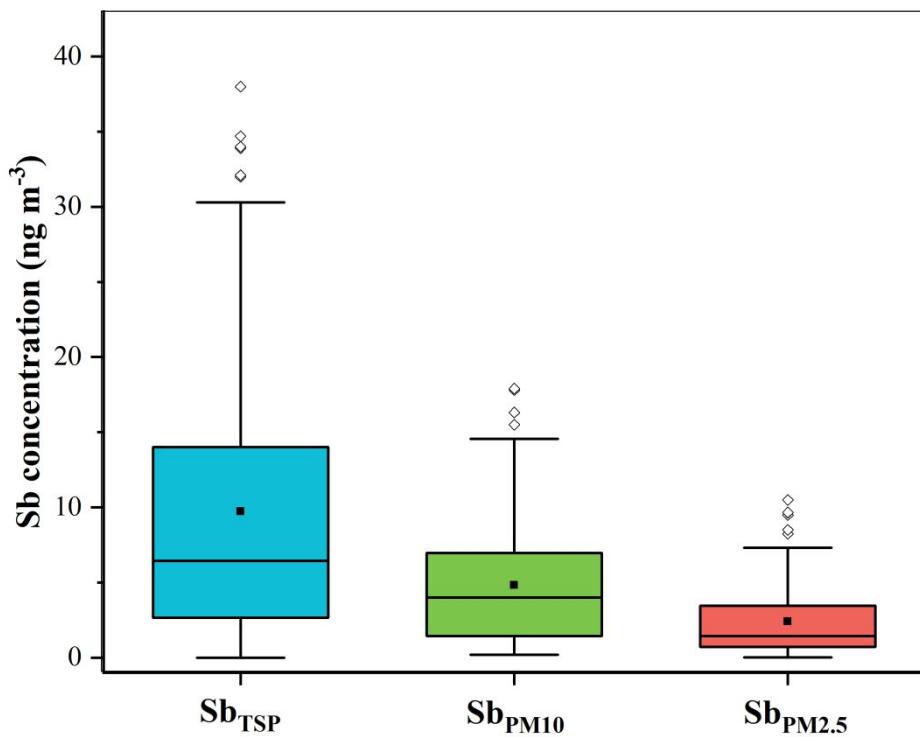


Figure S1 Global atmospheric Sb concentrations in total suspended particles (TSP), and in particles of less than 10 (PM10) and 2.5 μm (PM2.5) ^a.

a. The boxes represent data in the range of interquartile range (IQR) while the five lines in each boxplot represent the maximum, upper quartile, median, lower quartile, and minimum. The dots in the boxes are average values, where the circles above the box are outliers.

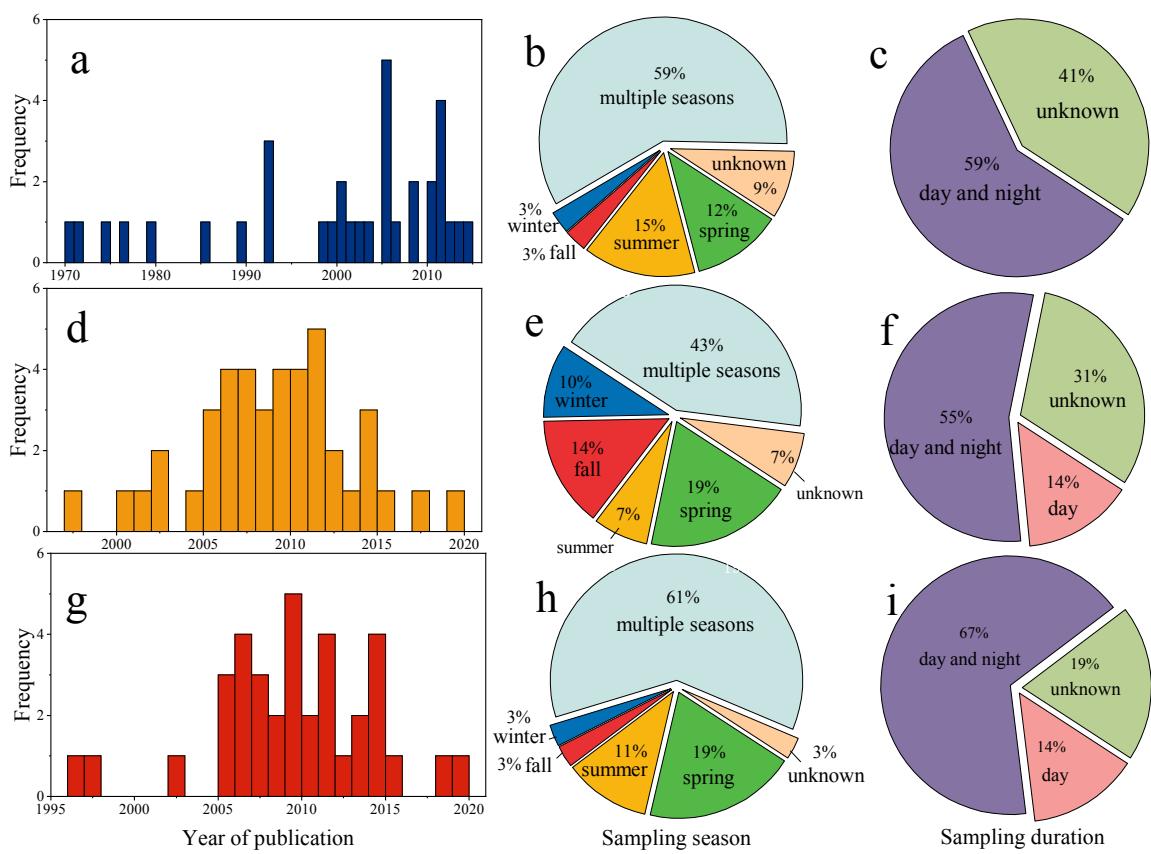


Figure S2 Temporal, seasonal, and daily distributions of atmospheric Sb (The data derived from literatures^{1, 3, 5-15, 17-35, 38-48, 50, 51, 53-80})

(a–c) Total suspended particles (TSP), (d–f) Sb in particles of less than 10 μm (PM₁₀), and (g–i) Sb in particles of less than 2.5 μm (PM_{2.5}).

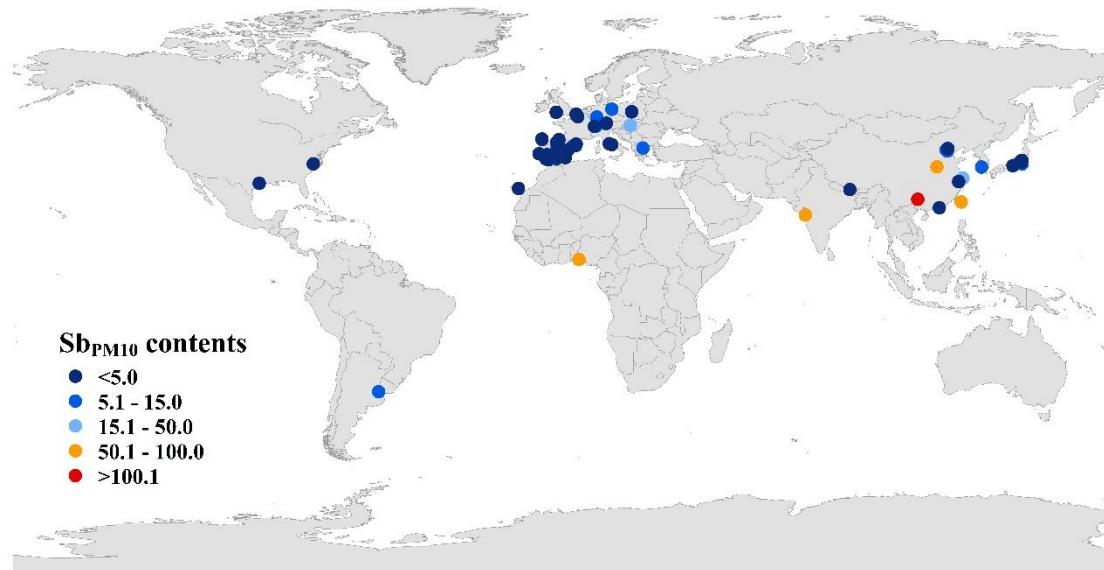


Figure S3 Global atmospheric Sb concentrations in PM_{10} (ng m^{-3})

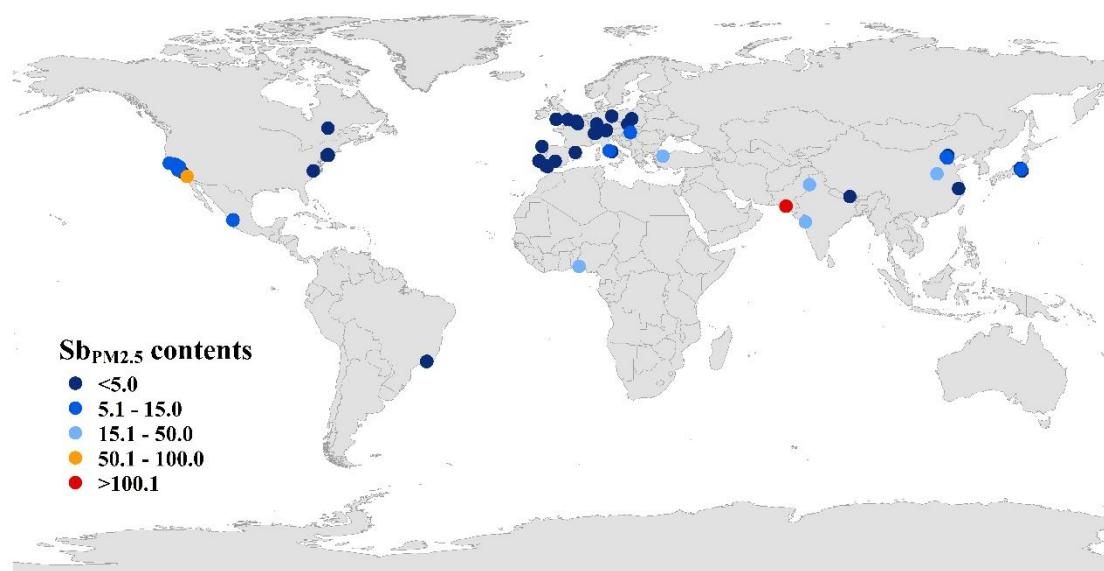


Figure S4 Global atmospheric Sb concentrations in $\text{PM}_{2.5}$ (ng m^{-3})

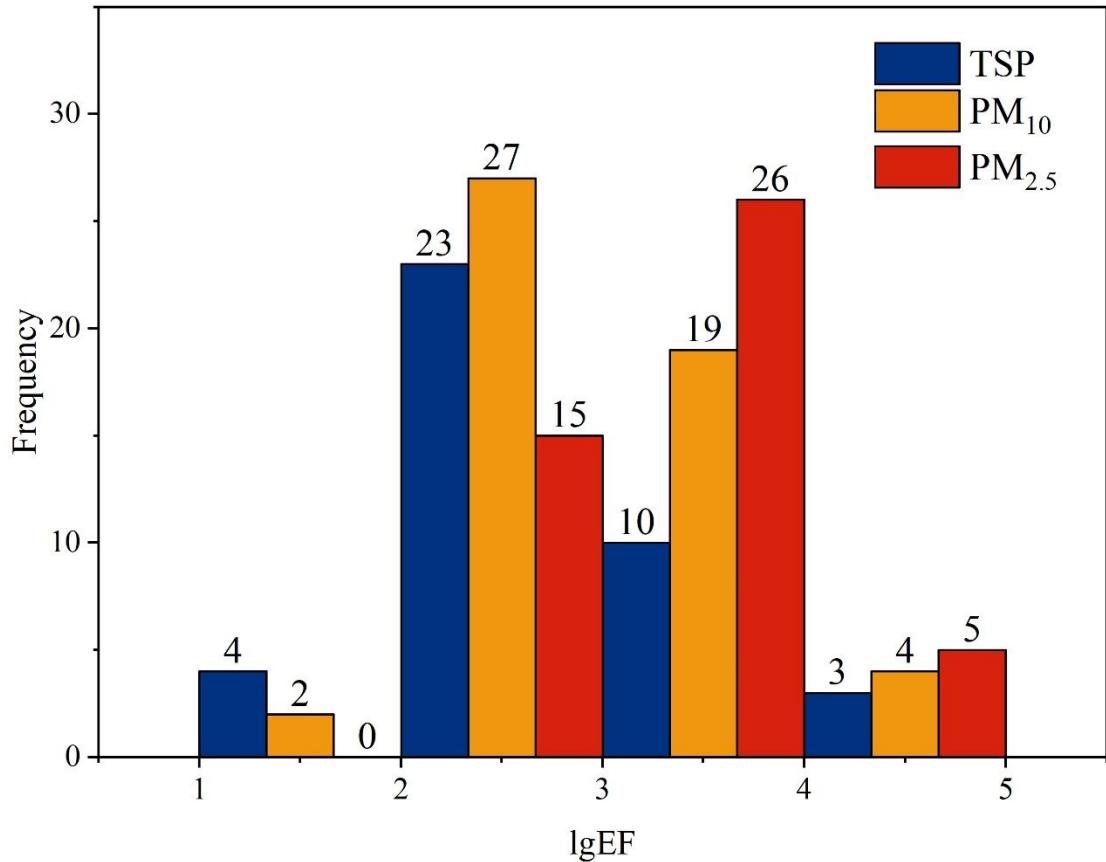
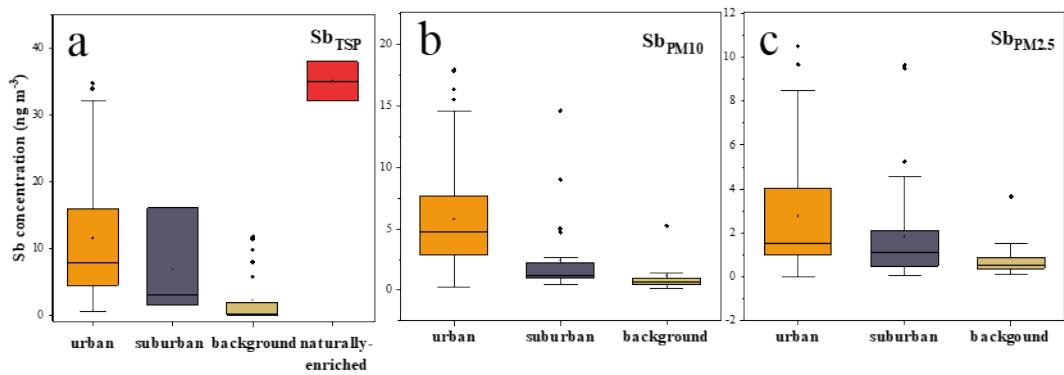


Figure S6 Frequency of EF of Sb in TSP, PM₁₀ and PM_{2.5}.

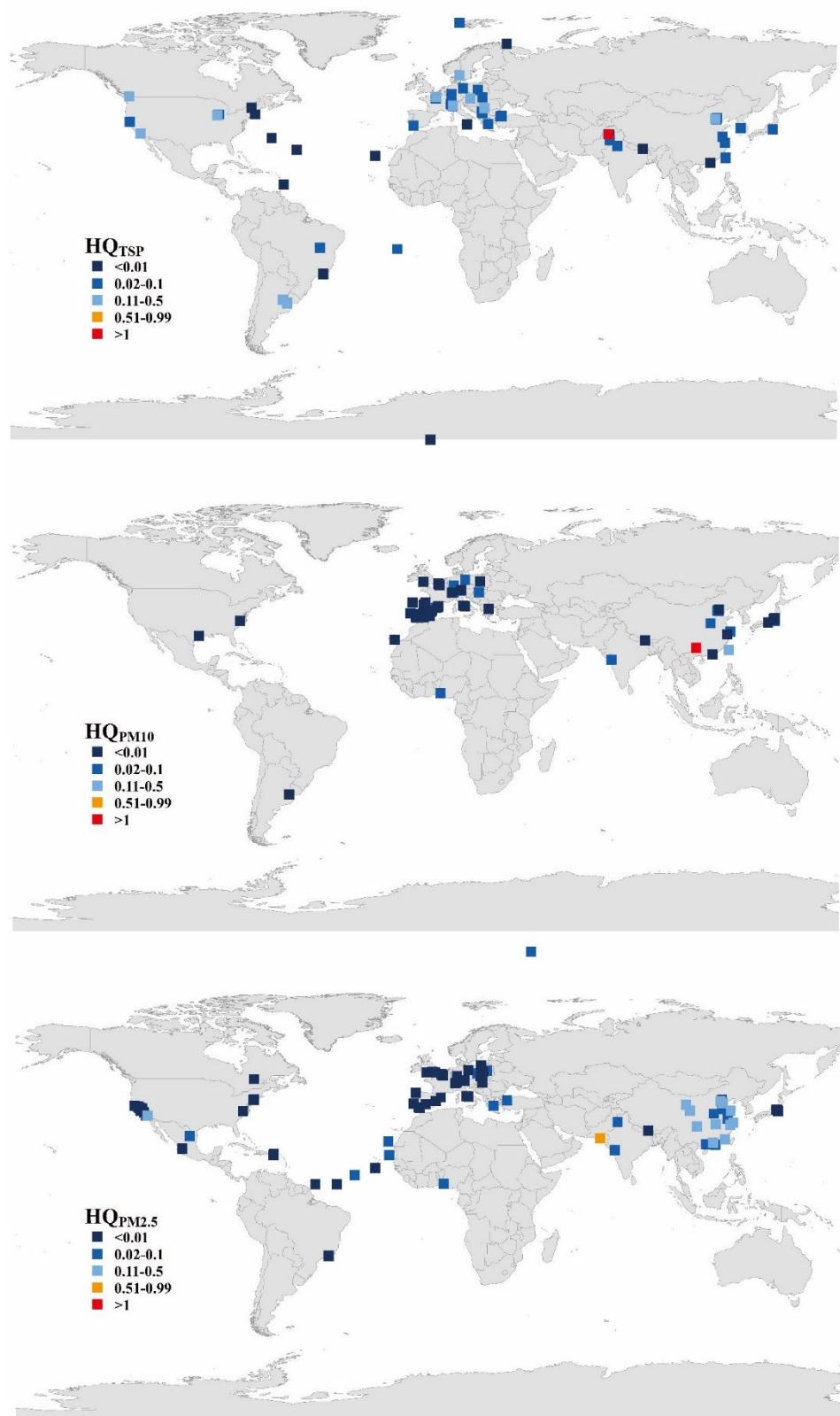


Figure S7 Non-carcinogenic hazard quotient values for Sb based on the (a) TSP, (b) PM₁₀ and (c) PM_{2.5} data

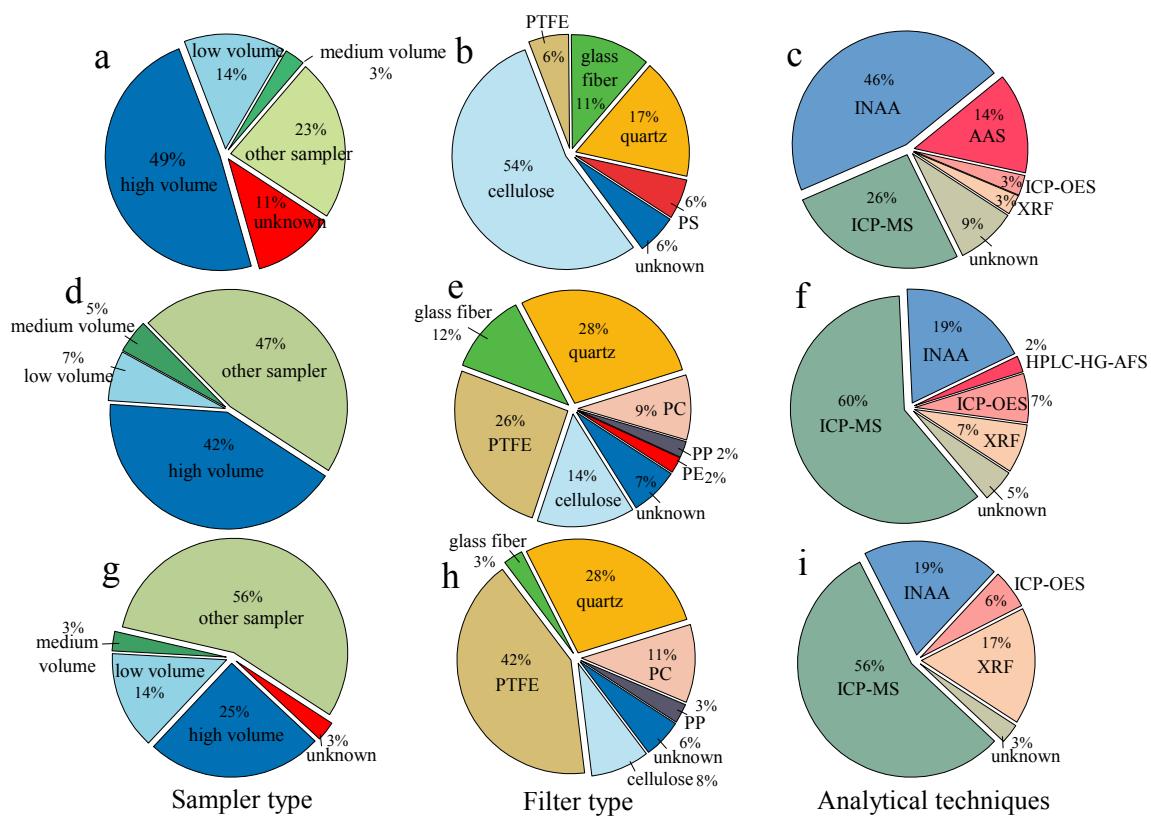


Figure S8 Variability of sample devices, filters, and analytical techniques used for the Sb

measurements (The data derived from literatures^{1, 3, 5-15, 17-35, 38-48, 50, 51, 53-80})

(a–c) Total suspended particles (TSP), (d–f) Sb in particles of less than 10 µm (PM₁₀), and (g–i) Sb in particles of less than 2.5 µm (PM_{2.5}). INAA: instrumental neutron activation analysis; PTFE: polytetrafluoroethylene; ICP-MS: inductively coupled plasma mass spectroscopy; XRF: x-ray fluorescence; ICP-OES: inductively coupled plasma optical emission spectrometer; HPLC-HG-AFS: high-performance liquid chromatography coupled to an inductively coupled plasma mass spectrometer; PC: polycarbonate; PP: polypropylene; PE: polyethylene; PS: polystyrene.

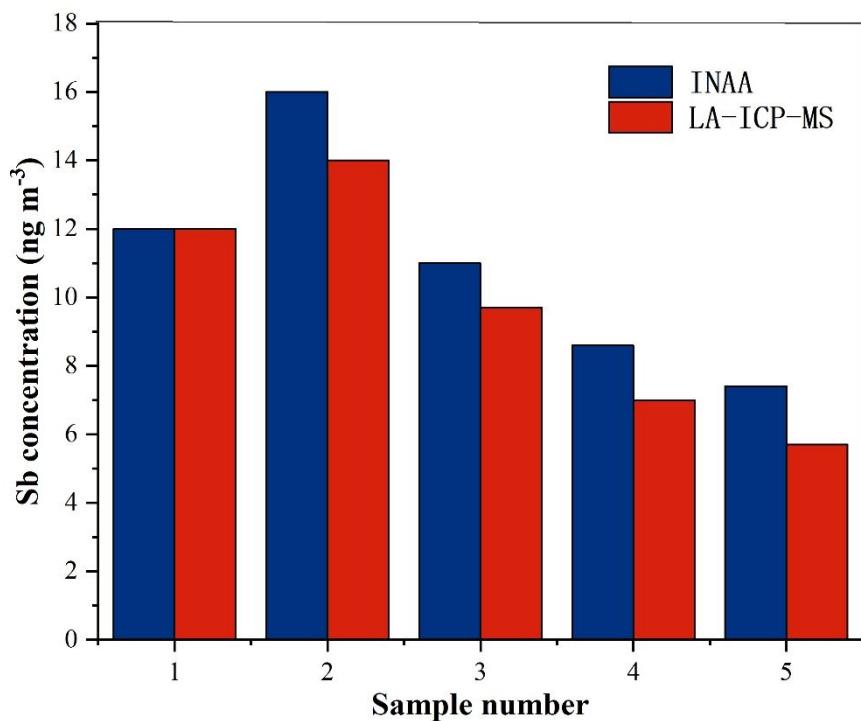


Figure S9 A comparison of Sb analytical techniques ^a. (The data derived from Tanaka et al., 1998³)

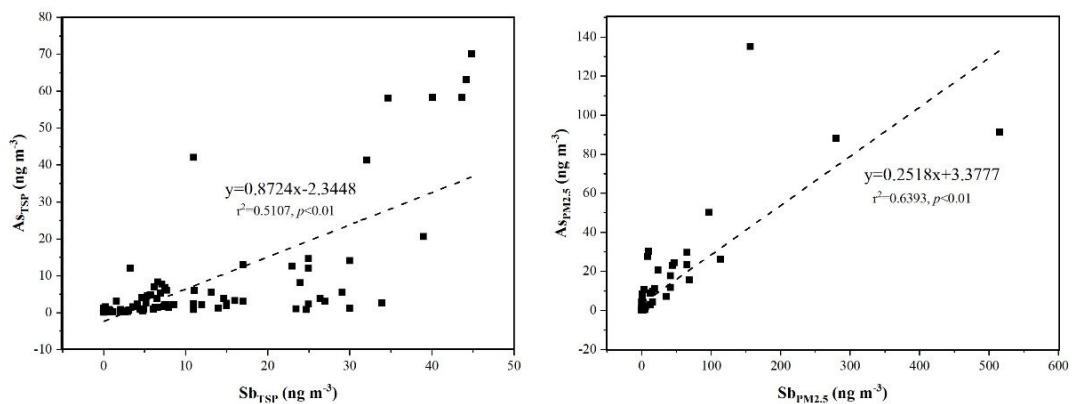


Figure S10 Comparison of Sb and As concentrations in TSP and PM_{2.5}

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