

AIRBONE SPECIES CONCENTRATIONS AS DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 2007

Station	RSP	As	Be	Cd	Ni	Pb	Cr	Al	Mn	Fe	Ca	Mg	V	Zn	Ba	Cu	Hg	Se	Na+	K+	Cl-	Br-	SO4=	NH4+	NO3-	TC
Central / Western	55	5.8	0.05	1.48	6.2	58	2.3	226	20	476	651	279	12.3	199	14	34	0.23	1.1	1930	560	1176	9	12813	3847	3599	10378
Kwun Tong	58	6.5	0.05	1.59	5.5	62	2.9	298	24	681	778	290	9.6	203	21	49	0.22	1.1	1799	560	1066	8	12325	3866	4017	11851
Sham Shui Po	66	5.5	0.04	1.66	8.1	62	3.2	272	23	621	726	257	14.6	237	19	43	0.20	1.0	1654	571	878	9	13404	4740	5478	14361
Tsuen Wan	62	7.0	0.05	1.90	7.9	68	2.9	300	24	583	778	233	16.5	253	19	36	0.24	1.1	1396	646	683	9	13498	4300	3547	13535
Tung Chung	60	7.8	0.05	2.17	5.9	78	2.9	343	26	588	788	241	11.2	251	17	94	0.23	1.3	1502	714	640	9	13545	4125	3634	11217
Yuen Long	66	8.0	0.05	2.38	8.4	76	3.7	330	27	683	878	236	13.5	283	20	50	0.24	1.2	1319	711	669	9	13305	4535	4597	14056
Mong Kok	74	6.2	0.05	1.75	7.1	64	3.7	251	26	882	807	267	12.6	243	44	47	0.23	1.0	1623	612	1059	9	13416	4437	4643	21701
Average	63	6.8	0.05	1.87	6.9	67	3.1	290	25	648	777	258	12.7	239	22	51	0.23	1.1	1598	630	882	9	13167	4220	4097	13845

Note:

- All figures are in nanogram per cubic metre (ng/m<sup>3</sup>) except RSP which is in microgram per cubic metre (µg/m<sup>3</sup>).
- All values presented are annual arithmetic means.
- The concentrations of all species are derived from chemical analysis of respirable suspended particulates samples collected by high-volume samplers.
- The Airborne Species:
 

As - Arsenic	Ba - Barium
Be - Beryllium	Cu - Copper
Cd - Cadmium	Hg - Mercury
Ni - Nickel	Se - Selenium
Pb - Lead	Na+ - Sodium Ion
Cr - Chromium	K+ - Potassium Ion
Al - Aluminium	Cl- - Chloride Ion
Mn - Manganese	Br- - Bromide Ion
Fe - Iron	SO4= - Sulphate Ion
Ca - Calcium	NH4+ - Ammonium Ion
Mg - Magnesium	NO3- - Nitrate Ion
V - Vanadium	TC - Total Carbon
Zn - Zinc	