

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:

1. All figures are in nanograms per cubic metre except RSP which is in micrograms per cubic metre
2. All values presented are annual arithmetic means.
3. The concentrations of all species are derived from chemical analysis of respirable suspended particulates samples collected by high-volume samplers.
4. The Chemical Elements:
 

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	