

AIRBORNE SPECIES CONCENTRATIONS, DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 1996

Station	RSP	As	Be	Cd	Ni	Pb	Cr	Al	Mn	Fe	Ca	Mg	V	Zn	Ba	Cu	Hg	Na+	K+	Cl-	Br-	SO4=	BAP	NH4+	NO3-
Kwun Tong	59	4.3	0.05	1.47	3.5	65	2.8	281	19	589	806	283	6.0	142	18	39	0.20	1796	573	1252	12	9483	0.19	2258	2891
Shatin	46	5.6	0.05	1.18	3.0	73	2.1	272	18	636	673	234	5.0	95	20	19	0.20	1347	676	702	11	9636	0.13	2510	2542
Tai Po	52	5.2	0.05	1.21	2.3	76	2.1	266	17	600	630	216	4.9	103	17	49	0.19	1258	738	864	13	9228	0.16	2558	2534
Yuen Long	64	7.1	0.06	1.59	3.1	111	2.5	403	22	674	1085	232	5.2	150	17	32	0.20	1185	1047	1051	13	9923	0.38	2961	4062
Sham Shui Po	59	4.8	0.05	1.23	4.4	69	2.7	318	20	589	891	277	6.9	114	14	43	0.20	1695	633	1144	12	9394	0.16	2190	2896
Central / Western	52	5.1	0.05	1.29	2.9	70	2.1	328	21	546	944	345	5.0	152	12	35	0.20	2247	689	2157	14	9832	0.12	2375	3424
Tsuen Wan	53	4.5	0.05	1.15	3.5	72	2.1	269	22	495	780	264	6.2	120	13	22	0.20	1664	689	1081	12	9522	0.15	2307	2914
Kwai Chung	48	5.3	0.05	1.40	3.7	76	2.3	302	18	492	815	243	8.1	120	11	20	0.19	1452	709	924	11	9884	0.12	2451	2868
Mong Kok	77	5.1	0.06	1.49	4.8	77	8.2	380	30	834	1249	354	6.7	144	22	40	0.19	1958	709	1795	13	9985	0.30	2332	3310
Average	56	5.2	0.05	1.32	3.4	76	2.3	310	21	603	868	271	6.0	125	16	34	0.20	1619	710	1215	12	9610	0.21	2425	3024

Note:

1. All figures are in nanograms per cubic metre except RSP which is in micrograms per cubic metre.
2. All values presented are arithmetic annual averages.
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	Zn - Zinc
Be - Beryllium	Ba - Barium
Cd - Cadmium	Cu - Copper
Ni - Nickel	Hg - Mercury
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	BAP - Benzoapyrene
Mg - Magnesium	NH4+ - Ammonium Ion
V - Vanadium	NO3- - Nitrate Ion