

AIRBONE SPECIES CONCENTRATIONS AS DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 2001

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	48	3.7	0.05	1.27	5.8	49	1.4	221	15	435	708	315	12.1	153	13	26	0.23	1.6	1922	474	1246	8	9589	2533	3245	10681
Kwun Tong	53	3.8	0.06	1.37	5.1	55	2.1	291	20	643	894	333	9.2	153	26	55	0.24	1.6	1692	520	895	7	9968	2400	2956	13848
Sham Shui Po	51	3.7	0.05	1.39	6.5	52	1.7	253	16	496	817	287	14.2	147	17	38	0.23	1.4	1624	523	953	7	9409	2410	3045	13267
Tsuen Wan	51	4.5	0.05	1.63	6.1	68	1.6	226	18	489	723	240	13.3	188	18	28	0.24	1.7	1295	585	544	9	10113	2688	2827	13436
Tung Chung	52	4.3	0.05	1.83	5.6	73	1.8	273	17	486	915	246	10.7	165	12	71	0.24	1.6	1378	603	655	11	9589	2580	3183	10165
Yuen Long	60	5.3	0.06	3.29	6.0	77	2.0	344	21	638	1015	292	11.0	184	17	35	0.25	1.7	1241	693	826	8	10484	3060	3820	14136
Mong Kok	75	4.5	0.06	1.63	7.0	68	2.8	296	22	815	1048	345	13.2	194	48	35	0.24	1.6	1703	667	1368	8	10800	2931	3659	26815
Average	56	4.3	0.05	1.78	6.0	63	1.9	273	18	573	877	293	12.0	169	22	41	0.24	1.6	1543	582	920	8	9995	2658	3246	14659

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	