

AIRBORNE SPECIES CONCENTRATIONS, DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 1997

Station	RSP	As	Be	Cd	Ni	Pb	Cr	Al	Mn	Fe	Ca	Mg	V	Zn	Ba	Cu	Hg	Se	Na+	K+	Cl-	Br-	SO4=	BAP	NH4+	NO3-
Kwun Tong	59	3.7	0.05	1.08	3.4	51	2.1	237	18	526	760	241	5.5	134	21	34	0.19		1471	535	1137	11	9545	0.22	2636	2992
Shatin	47	3.5	0.06	0.98	3.0	52	1.8	180	13	506	574	205	6.0	97	23	19	0.21	1.7	1329	491	717	11	8934	0.24	2250	2132
Tai Po	55	4.2	0.06	1.41	3.3	66	1.8	232	14	515	754	204	6.3	136	19	37	0.21	10.0	1253	674	853	13	10068	0.27	2923	3061
Yuen Long	64	5.8	0.06	1.63	3.6	77	2.1	291	17	524	814	191	6.2	146	15	28	0.20	7.2	1084	808	857	12	11010	0.44	3589	3960
Sham Shui Po	58	3.9	0.06	1.07	4.8	52	2.0	224	18	467	697	241	6.5	128	17	38	0.20		1614	562	1265	12	9687	0.21	2737	3249
Central / Western	56	4.4	0.06	1.57	4.6	60	1.7	219	18	400	713	266	7.5	162	12	32	0.20	7.0	1866	632	1476	13	11593	0.13	3298	3460
Tsuen Wan	57	4.4	0.05	1.10	4.0	59	1.6	225	16	420	669	220	6.9	124	14	22	0.20		1411	638	891	11	10373	0.29	2900	2937
Kwai Chung	51	4.6	0.06	1.45	5.7	64	1.8	201	14	358	641	200	11.6	125	11	23	0.20	9.0	1317	639	656	9	11360	0.15	3192	2780
Mong Kok	75	4.4	0.06	1.39	5.8	70	3.1	314	24	659	1252	269	8.7	155	22	37	0.24	1.8	1693	626	1473	12	11123	0.32	2999	3965
Average	58	4.3	0.06	1.30	4.2	61	2.0	236	17	486	764	226	7.2	134	17	30	0.21	6.1	1449	623	1036	11	10410	0.25	2947	3170

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:
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| 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 | BAP - Benzoapyrene |
| Mg - Magnesium | NH4+ - Ammonium Ion |
| V - Vanadium | NO3- - Nitrate Ion |
| Zn - Zinc | |