

AIRBONE SPECIES CONCENTRATIONS AS DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 2005

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	58	5.5	0.05	1.76	5.9	65	2.1	286	22	517	797	316	14.0	207	15	30	0.23	1.1	1991	635	1508	7	13107	3823	4026	10304
Kwun Tong	56	4.9	0.05	1.69	8.6	57	3.4	255	20	576	649	273	11.4	210	18	44	0.23	1.0	1684	562	1008	7	12503	3758	3730	11271
Sham Shui Po	56	4.7	0.05	1.60	6.9	57	2.2	229	19	517	667	258	15.7	193	17	36	0.23	1.0	1587	570	1030	7	11926	3623	3887	12279
Tsuen Wan	58	6.1	0.05	2.02	8.4	65	2.3	241	20	524	698	209	20.6	251	17	34	0.23	1.1	1231	622	645	7	12498	3968	3559	13294
Tung Chung	44	4.4	0.04	1.32	5.2	46	1.9	239	15	405	629	199	10.4	159	10	53	0.23	0.9	1227	449	451	7	9998	2672	2308	8189
Yuen Long	67	7.3	0.05	2.41	8.2	81	3.2	347	25	701	947	223	16.0	267	20	55	0.23	1.2	1147	662	708	7	12742	4352	4673	13612
Mong Kok	70	5.1	0.05	1.72	7.4	56	3.4	254	23	832	800	272	15.6	246	42	46	0.24	1.0	1634	564	1105	7	11954	3687	4463	20926
Average	59	5.4	0.05	1.79	7.3	61	2.6	264	21	584	742	251	14.9	220	20	42	0.23	1.0	1506	582	931	7	12137	3712	3827	12914

Note:

- All figures are in nanograms per cubic metre except RSP which is in micrograms per cubic metre
- 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 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	