

AIRBONE SPECIES CONCENTRATIONS AS DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 2008

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	56	4.4	0.04	1.16	7.1	49	2.0	242	18	449	634	300	16.1	169	15	33	0.22	0.9	2036	512	1194	13	11872	3636	4162	9734
Kwun Tong	52	4.3	0.04	1.11	5.4	50	2.3	212	16	500	526	204	11.1	179	19	53	0.23	0.8	1343	480	575	11	11265	3730	3704	10454
Sham Shui Po	44	3.3	0.04	0.88	5.9	32	1.6	183	12	372	463	207	15.0	118	11	28	0.22	0.7	1519	394	720	8	8371	2329	2464	9744
Tsuen Wan	55	4.8	0.05	1.24	7.6	50	2.0	231	17	426	485	188	17.0	165	18	36	0.23	1.0	1193	519	404	10	11608	3794	3189	11897
Tung Chung	55	5.7	0.05	1.40	6.1	54	2.5	287	20	481	581	205	10.7	158	17	128	0.23	0.9	1217	597	414	9	11798	3764	3420	10577
Yuen Long	60	5.5	0.04	1.52	6.4	58	2.8	303	22	572	688	188	11.4	170	21	44	0.23	1.0	1023	614	438	9	11448	4094	4298	12745
Mong Kok	67	4.5	0.05	1.67	7.2	49	3.2	249	21	787	801	246	14.0	213	40	47	0.23	0.8	1456	493	946	12	10877	3680	4673	18728
Average	56	4.7	0.05	1.31	6.6	50	2.4	248	18	522	606	221	13.5	170	21	54	0.23	0.9	1391	523	668	10	11206	3656	3783	12133

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	