

AIRBONE SPECIES CONCENTRATIONS AS DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 2006

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	55	4.9	0.05	1.49	6.3	48	2.2	209	17	439	696	324	13.9	192	13	31	0.22	0.8	2172	508	1634	8	12285	3592	4038	10009
Kwun Tong	54	4.4	0.05	1.34	7.6	53	3.0	203	19	561	629	309	9.2	193	17	50	0.22	0.8	1938	488	1154	8	12308	3528	3573	10757
Sham Shui Po	55	4.5	0.05	1.30	6.9	48	2.1	192	18	493	635	290	15.3	191	16	37	0.23	0.7	1886	490	1193	8	11782	3446	3936	12508
Tsuen Wan	61	6.6	0.05	1.78	6.7	64	2.5	276	22	548	845	248	14.8	283	17	41	0.22	1.0	1525	578	881	13	12761	3882	3983	13222
Tung Chung	54	6.6	0.04	1.62	7.0	61	2.2	234	19	474	642	205	14.3	217	15	78	0.22	1.1	1212	582	524	7	11658	3587	3291	11280
Yuen Long	71	8.5	0.05	2.19	7.2	82	3.6	333	27	681	909	233	14.2	298	20	51	0.23	1.2	1272	727	827	13	13603	4730	5457	15252
Mong Kok	69	4.7	0.05	1.52	8.2	48	3.4	216	24	822	770	290	14.2	216	45	45	0.23	0.8	1741	481	1177	8	11587	3696	4716	22593
Average	60	5.7	0.05	1.60	7.1	57	2.7	237	21	574	731	272	13.7	226	20	47	0.22	0.9	1684	550	1062	9	12286	3780	4146	13660

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	