

## AIRBORNE SPECIES CONCENTRATIONS AS DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 2019

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	34	2.0	0.04	0.42	2.9	10	2.0	120	12	385	478	235	4.4	60	11	11	0.19	0.3	1582	221	881	6	5861	1825	3873	4724
Kwun Tong	35	1.9	0.04	0.40	2.8	10	2.4	144	15	586	687	232	4.2	90	15	15	0.18	0.3	1496	216	890	6	5679	1604	3944	5262
Sham Shui Po	35	1.9	0.04	0.44	3.1	10	2.3	134	12	446	543	228	4.7	60	14	15	0.18	0.3	1443	229	837	6	5656	1652	3903	5971
Kwai Chung	35	2.0	0.03	0.45	3.9	11	2.6	139	15	544	525	207	5.1	98	18	18	0.17	0.4	1275	215	643	6	5951	1610	3215	6361
Tsuen Wan	34	1.9	0.03	0.48	3.5	11	2.2	126	13	447	492	191	4.3	62	14	17	0.17	0.3	1087	207	600	6	5718	1656	3233	5910
Tung Chung	32	1.9	0.03	0.48	2.8	11	2.0	124	13	397	424	178	3.8	59	12	13	0.17	0.4	1050	218	485	6	5590	1588	2976	5297
Yuen Long	36	2.2	0.03	0.62	3.0	13	2.5	154	16	544	593	184	4.0	86	15	17	0.17	0.4	958	256	508	6	5721	1814	3656	6441
Mongkok	40	2.0	0.04	0.48	3.6	11	3.6	142	16	866	565	228	4.8	78	27	38	0.19	0.3	1457	230	900	6	5851	1904	4431	7794
Tuen Mun	37	2.0	0.03	0.61	3.3	12	2.6	164	16	530	619	197	4.1	71	16	16	0.17	0.4	1038	237	588	6	5621	1707	3706	6240
Tseung Kwan O	31	1.8	0.03	0.45	2.7	10	1.8	202	10	370	421	232	4.2	46	14	14	0.17	0.3	1524	204	815	6	5470	1449	3286	4284
Average	35	2.0	0.04	0.48	3.2	11	2.4	145	14	512	535	211	4.4	71	16	17	0.18	0.3	1291	223	715	6	5712	1681	3622	5828

- Notes: 1. All figures are in nanogram per cubic metre (ng/m<sup>3</sup>) except RSP which is in microgram per cubic metre (µg/m<sup>3</sup>).
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 Airborne Species:
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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   | NH4+ - Ammonium Ion |
| Mg - Magnesium | NO3- - Nitrate Ion  |
| V - Vanadium   | TC - Total Carbon   |
| Zn - Zinc      |                     |