

AIRBORNE SPECIES CONCENTRATIONS AS DERIVED FROM RESPIRABLE SUSPENDED PARTICULATES FOR 2004

| 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  | 6.6 | 0.05 | 2.13 | 6.2 | 76  | 2.2 | 273 | 22 | 494 | 726  | 327 | 13.0 | 246 | 16 | 30 | 0.23 | 0.9 | 1858 | 664 | 1086 | 7   | 12900 | 3682 | 3807 | 10302 |
| Kwun Tong         | 59  | 7.4 | 0.05 | 2.42 | 6.9 | 78  | 2.6 | 273 | 24 | 636 | 726  | 289 | 15.0 | 295 | 23 | 48 | 0.23 | 1.0 | 1616 | 655 | 850  | 7   | 12229 | 3535 | 3889 | 12440 |
| Sham Shui Po      | 57  | 6.1 | 0.04 | 2.12 | 8.6 | 71  | 2.3 | 251 | 22 | 548 | 731  | 285 | 18.9 | 241 | 18 | 37 | 0.23 | 0.9 | 1615 | 593 | 646  | 7   | 12855 | 3523 | 3210 | 12300 |
| Tsuen Wan         | 65  | 8.0 | 0.05 | 2.70 | 8.2 | 92  | 2.5 | 308 | 26 | 598 | 796  | 278 | 18.4 | 290 | 19 | 33 | 0.23 | 1.1 | 1542 | 787 | 694  | 7   | 13410 | 4085 | 4012 | 13975 |
| Tung Chung        | 55  | 6.4 | 0.05 | 2.31 | 6.0 | 77  | 2.4 | 325 | 24 | 525 | 881  | 272 | 11.7 | 267 | 14 | 68 | 0.23 | 1.0 | 1511 | 677 | 521  | 7   | 12270 | 3210 | 3133 | 9792  |
| Yuen Long         | 76  | 8.2 | 0.05 | 3.39 | 9.6 | 130 | 3.9 | 454 | 31 | 827 | 1167 | 273 | 15.9 | 313 | 23 | 42 | 0.23 | 1.3 | 1254 | 882 | 771  | 8   | 13540 | 4401 | 5178 | 15310 |
| Mong Kok          | 78  | 6.9 | 0.05 | 2.24 | 8.5 | 79  | 3.6 | 296 | 27 | 884 | 920  | 312 | 16.8 | 292 | 47 | 42 | 0.24 | 0.9 | 1640 | 695 | 1073 | 7   | 13389 | 4281 | 5031 | 22910 |
| Average           | 64  | 7.1 | 0.05 | 2.48 | 7.7 | 86  | 2.8 | 313 | 25 | 647 | 852  | 291 | 15.6 | 279 | 23 | 43 | 0.23 | 1.0 | 1576 | 710 | 811  | 7   | 12941 | 3823 | 4058 | 13900 |

Note:

- 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>).
- 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 Airborne Species:
 

|                |                     |
|----------------|---------------------|
| 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      |                     |