

**Table 3.1f**  
**Summary of Reported Concentrations of Respirable Suspended Particulates**

AQMS	Maximum 24-hr Concentration ( $\mu\text{gm}^{-3}$ )	Number of Exceedances of Maximum 24-hr AQO <sup>(a)</sup>	Annual Average ( $\mu\text{gm}^{-3}$ )
Central/Western	147	0	51
Kwai Chung	153	0	46
Kwun Tong	194	1	56 <sup>(b)</sup>
Mong Kok	177	0	57 <sup>(b)</sup>
Sham Shui Po <sup>(c)</sup>	129 (Hi-Vol) <sup>(c)</sup> 149 (TEOM) <sup>(e)</sup>	0 0	57 <sup>(b)(c)</sup>
Sha Tin	180	1	49
Tai Po	104 (Hi-Vol) <sup>(c)</sup> 132 (TEOM) <sup>(d)</sup>	0	59 <sup>(b)(c)</sup>
Tsuen Wan	168	0	54
Yuen Long	155	0	58 <sup>(b)</sup>
<b>Notes:</b>			
(a) Concentrations in excess of 180 $\mu\text{gm}^{-3}$			
(b) Reported concentration is in excess of the AQO of 55 $\mu\text{gm}^{-3}$			
(c) Hi-Volume Sampler Data for January - December 1997			
(d) TEOM Data are for July - December 1997			
(e) TEOM Data are for September - December 1997			

Annual average RSP concentrations are presented in Figure 3.1f and Table 3.1f. Five of the sites breached the annual average AQO of 55  $\mu\text{gm}^{-3}$ : Kwun Tong, Mong Kok, Sham Shui Po, Tai Po and Yuen Long. This represents a deterioration of the conditions reported in the EPD's 1996 annual report on air quality.

### Ozone

Reported maximum hourly average ozone concentrations are summarised in Figure 3.1g and Table 3.1g. Exceedances of the AQO were reported at two of the seven stations monitoring this pollutant, with three such events being recorded at the Sha Tin AQMS and a single event at the Central/Western AQMS. These results indicate that all stations were compliant over the twelve-month period examined in this report and as such, represent an improvement on the 1996 results in which both the Kwai Chung and Central/Western stations were out of compliance.

Annual average ozone concentrations were also calculated, as there is previous evidence to suggest a year-on-year increase in the concentrations of this pollutant. As greater concern is attached to short-term high concentrations of this pollutant rather than chronic exposures, no annual average AQO for ozone is available. As presented in Figure 3.1h, concentrations vary by a factor of 1.6 between stations, from 20  $\mu\text{gm}^{-3}$  at the Kwun Tong AQMS to 31  $\mu\text{gm}^{-3}$  at the Kwai Chung AQMS. Table 3.1g presents a comparison of annual average concentrations reported for 1996<sup>(1)</sup> with those resulting from this assessment. The reported concentrations for 1997 do not differ greatly from those of 1996.

<sup>(1)</sup> Environmental Protection Department (1997) *Op cit.*