AS/NZS 3580.9.6:2003 Requirements

- A laboratory environment with a controlled atmosphere is required for conditioning and weighing filters for the entire conditioning period.
- The temperature shall be stable within ± 3°C between a minimum of 15°C and a maximum of 30°C.
- The relative humidity shall be stable to within ± 5% between a minimum of 20% and a maximum of 50%.
- Record the temperature and humidity of the controlled environment for each filter conditioning and weighing session at intervals not exceeding 15 minutes.

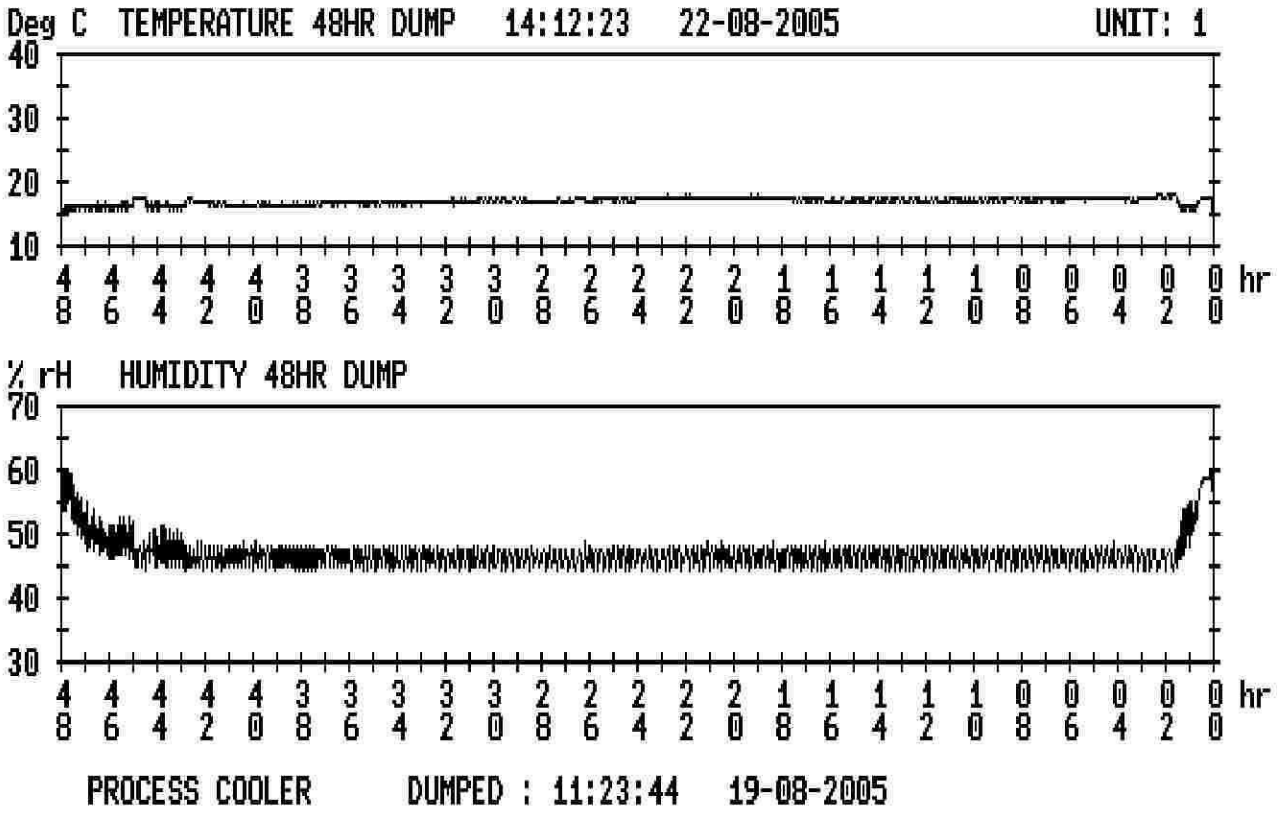
Hi Vol Filter Analysis
No Air Conditioning

Table 1 Filter Blanks – Not Air Conditioned

	Filter 1	Filter 2	Filter 3	Filter 4
Standard Deviation	0.0086	0.0084	0.018	0.0028
Detection Limit (g)	0.0260	0.0252	0.0554	0.0085
Detection Limit (µg)	26000	25200	55400	8500
Detection Limit[1] µg/m^3	16	15.6	34	5.3
% of NES[2]	32	31	68	10.6

[1] Assuming a volume of 1609 m3 sampled in a 24 hour period.
[2] The national environmental standard for PM10 is 50 µg/m^3 0°C, 1atm.

Air Conditioning Data



Hi Vol Air Sampling Filter Analysis Air Conditioned

Table 2 Filter Blanks – Air Conditioned

	Filter 1	Filter 2	Filter 3	Filter 4
Standard Deviation	0.0018	0.0016	0.0021	0.0014
Detection Limit (g)	0.0053	0.0049	0.0063	0.0041
Detection Limit (µg)	530	490	630	410
Detection Limit µg/m^3	0.33	0.30	0.39	0.25
% of NES	0.66	0.60	0.78	0.50