18.0 Tables, Diagrams, Flowcharts, and Validation Data

Table 2-1 - t-Values

n [a]	t0.975	n [a]	t0.975	n [a]	t0.975
2	12.706	7	2.447	12	2.201
3	4.303	8	2.365	13	2.179
4	3.182	9	2.306	14	2.160
5	2.776	10	2.262	15	2.145
6	2.571	11	2.228	16	2.131

a The values in this table are already corrected for n−1 degrees of freedom. Use n equal to the number of individual values.

Table 2-2 - Measurement Range

Measurement point	Pollutant monitor	Diluent monitor for	
		CO2	O2
1	20-30% of span value	5-8% by volume	4-6% by volume.
2	50-60% of span value	10-14% by volume	8-12% by volume.

Figure 2-1. Calibration Drift Determination

	Day	Date and time	Calibration value (C)	Monitor value (M)	Difference (C-M)	Percent of span value (C-M)/span value × 100
Low-level						
High-level						

FIGURE 2-2. RELATIVE ACCURACY DETERMINATION.

Run No.	Date and time	SO_2			NO_x[b]			CO_2 or O_2[a]		SO_2[a]			NO_x[a]		
		RM	CEMS	Diff	RM	CEMS	Diff	RM	CEMS	RM	CEMS	Diff	RM	CEMS	Diff
		ppm[c]			ppm[c]			%[c]	%[c]	mass/GCV			mass/GCV		
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
Average															
Confidence Interval															
Accuracy															

a For Steam generators.

b Average of three samples.

c Make sure that RM and CEMS data are on a consistent basis, either wet or dry.