

### 13.0 Method Performance

13.1 Calibration Drift Performance Specification. The CEMS calibration must not drift by more than 0.5 percent O<sub>2</sub> or CO<sub>2</sub> from the reference value of the gas, gas cell, or optical filter.

13.2 CEMS Relative Accuracy Performance Specification. The RA of the CEMS must be no greater than 20.0 percent of the mean value of the reference method (RM) data when calculated using equation 3-1. The results are also acceptable if the result of Equation 3-2 is less than or equal to 1.0 percent O<sub>2</sub> (or CO<sub>2</sub>).

$$RA = \frac{[|\bar{d}| + |CC|]}{\overline{RM}} \times 100 \quad \text{Eq. 3-1}$$

Where:

$|\bar{d}|$  = Absolute value of the mean of the differences (from Equation 2-3 of Performance Specification 2).

$|CC|$  = Absolute value of the confidence coefficient (from Equation 2-5 of Performance Specification 2).

$\overline{RM}$  = Average Reference Method value.

$$RA = \overline{RM} - \overline{CEMS} \quad \text{Eq. 3-2}$$

$\overline{RM}$  = Average Reference Method value.

$\overline{CEMS}$  = Average CEMS value.