

$$x = x_{[\text{emission}]_{\text{meas}}} \cdot \left( \frac{1 - x_{\text{H}_2\text{Oexh}}}{1 - x_{\text{H}_2\text{O}[\text{emission}]_{\text{meas}}}} \right)$$

Eq. 1065.659-1

*Example:*

$$x_{\text{CO}_{\text{meas}}} = 29.0 \text{ } \mu\text{mol/mol}$$

$$x_{\text{H}_2\text{OCO}_{\text{meas}}} = 8.601 \text{ mmol/mol} = 0.008601 \text{ mol/mol}$$

$$x_{\text{H}_2\text{Oexh}} = 34.04 \text{ mmol/mol} = 0.03404 \text{ mol/mol}$$

$$x_{\text{CO}} = 29.0 \cdot \left( \frac{1 - 0.03404}{1 - 0.008601} \right)$$

$$x_{\text{CO}} = 28.3 \text{ } \mu\text{mol/mol}$$