

$$\text{Percent O}_2\text{I} = \frac{\text{B} - \text{Analyzer response (ppmC)}}{\text{B}} \quad (100)$$

$$\text{Analyzer response} = \left( \frac{\text{A}}{\% \text{ of full-scale analyzer response due to A}} \right) \times (\% \text{ of full-scale analyzer response due to B})$$