

analytical function

A function which relates the measured value \hat{C}_a to the instrument reading, X , with the value of all interferants, C_i , remaining constant. This function is expressed by the following regression of the calibration results.

$$\hat{C}_a = f(X)$$

The analytical function is taken as equal to the inverse of the calibration function.

Source:

PAC, 1990, 62, 2167 (*Glossary of atmospheric chemistry terms (Recommendations 1990)*) on page 2174