

$$CB_j = \left( K_1 Q_r \times (\%CO_2 + \%CO) + K_2 Q_a - K_3 Q_r \times \left( \frac{\%CO}{2} + \%CO_2 + \%O_2 \right) + K_3 Q_{oxy} \times \%O_{2,oxy} \right) \times 0.001$$