

$$CO_2 = \sum_{n=1}^{12} \left[\sum_{i=1}^{j \text{ or } k} \left\{ \left[(V_{GI})_{i,n} \times (C_{GI})_{i,n} \times \frac{(MM_{GI})_i}{MVC} \right] - \left[(V_{GP})_{i,n} \times (C_{GP})_{i,n} \times \frac{(MM_{GP})_i}{MVC} \right] \right\} \right] \times 3.664 \times 0.001$$