$$E = \left(V_{nc1} - V_{nc2}\right) \times \frac{\sum_{i=1}^{n}\left(P_i\right)}{P_T - \sum_{j=1}^{m}\left(P_j\right)} \times \frac{P_T}{RT} \times MW_{HAP} \qquad \text{(Eq. 38)}$$