$$R = \sum_{n=1}^{N} \left((V)_n \times (K_{MC})_n \times \frac{(C_{CH4})_n}{100\%} \times 0.0423 \times \frac{520°R}{(T)_n} \times \frac{(P)_n}{1\,atm} \times \frac{0.454}{1{,}000} \right) \quad \text{(Eq. HH-4)}$$