$$x_{\mathrm{NMHC}} = \frac{x_{\mathrm{THC[THC\text{-}FID]cor}} \cdot PF_{\mathrm{CH4[NMC\text{-}FID]}} - x_{\mathrm{THC[NMC\text{-}FID]cor}}}{PF_{\mathrm{CH4[NMC\text{-}FID]}} - PF_{\mathrm{C2H6[NMC\text{-}FID]}}} \qquad \text{Eq. 1065.660-3}$$