$$m_{\text{bkgnd}} = \overline{x}_{\text{dil/exh}} \cdot m_{\text{bkgnddexh}}$$

Eq. 1065.667-1

$$m_{\text{bkgnddexh}} = M \cdot \overline{x}_{\text{bkgnd}} \cdot n_{\text{dexh}}$$

Eq. 1065.667-2