$$m_{\mathrm{PM}} = \left(\frac{V_{\mathrm{mix}}}{V_{\mathrm{PMstd}} - V_{\mathrm{sdastd}}} \right) \cdot \left(m_{\mathrm{PMfil}} - m_{\mathrm{PMbkgnd}} \right)$$

Eq. 1066.605-2