$$m_{\mathrm{PM}} = \left(\frac{V_{\mathrm{mix}}}{\dfrac{\left(V_{\mathrm{ct\text{-}PMstd}} - V_{\mathrm{ct\text{-}sdastd}}\right) + \left(V_{\mathrm{cs\text{-}PMstd}} - V_{\mathrm{cs\text{-}sdastd}}\right)}{0.43} + \dfrac{\left(V_{\mathrm{ht\text{-}PMstd}} - V_{\mathrm{ht\text{-}sdastd}}\right) + \left(V_{\mathrm{hs\text{-}PMstd}} - V_{\mathrm{hs\text{-}sdastd}}\right)}{0.57}} \right) \cdot \left(m_{\mathrm{PMfil}} - m_{\mathrm{PMbkgnd}} \right)$$

Eq. 1066.605-6