$$\dot{n}_{\text{exh}} = \frac{3.780}{\left(1 + \frac{(0.69021 - 1.10764)}{(1 + 0.10764)}\right)}$$

$\dot{n}_{\text{exh}} = 6.066$ mol/s

(3) <u>Fuel mass flow rate calculation</u>. This calculation may be used only for steady-state laboratory testing. See § 1065.915(d)(5)(iv) for application to field testing. Calculate $\dot{n}_{\text{exh}}$ based on $\dot{m}_{\text{fuel}}$ using the following equation:

$$\dot{n}_{\text{exh}} = \frac{\dot{m}_{\text{fuel}} \cdot w_{\text{c}} \cdot \left(1 + x_{\text{H2Oexhdry}}\right)}{M_{\text{c}} \cdot x_{\text{Ccombdry}}}$$

Eq. 1065.655-25