## Combustion of benzene



Determine the limiting reagent in the combustion of benzene when 24 grams of benzene is mixed with 62.5 liters of $\mathrm{O}_{2}$. Please first balance the chemical equation.

$$
\mathrm{C}_{6} \mathrm{H}_{6}(\ell)+\mathrm{O}_{2}(g) \rightarrow \mathrm{CO}_{2}(g)+\mathrm{H}_{2} \mathrm{O}(\ell)
$$

