Today, we will:

- Do some review example problems, partial pressure, mol fraction, flow rates, etc.
- Discuss species mass flow rates, and various definitions of pollutant concentration

Example: Partial pressure

Given:

- The mol fraction of CO (carbon monoxide) in a container is 56.0 PPM.
- The molecular weight of CO is 28.0 kg/kmol.
- The temperature is 20°C and the pressure is 99.5 kPa in the container.

To do: Calculate the partial pressure of CO in the container.

Solution: