

More Buffer Example Problems

3. A 60.0-mL sample of 0.10 M $\text{NaHCOO}(aq)$ is mixed with 40.0 mL of 0.070 M $\text{HCl}(aq)$. (a) Calculate the pH of the resulting mixture. (b) Is the resulting mixture an effective buffer? (Note that the pK_a of HCOOH is 3.74.)