



Figure 1: Comparisons of ^{14}C (a) and $\delta^{13}\text{C}$ (b) among the unfiltered and filtered solutions of $1 \text{ mmol}\cdot\text{L}^{-1}$ of NaHCO_3 . PES: filtered by PES disk filter (25 mm in diameter, $0.22 \mu\text{m}$ in pore size), GF: filtered by GF disk filter (25 mm in diameter, $1.0 \mu\text{m}$ in pore size). Each value of ^{14}C and $\delta^{13}\text{C}$ represents a single treatment occasion. The bars of ^{14}C concentration were represented the measurement error of the AMS analysis. The $\delta^{13}\text{C}$ error is smaller than the plotting symbols.