No.

Date . .

(4) a) $\rho_b = \frac{2{,}093 \text{ kg } CaCO_3}{\text{L } CaCO_3} \times \frac{0{,}90 \text{ L } CaCO_3}{\text{L total}}$

$= 2{,}05 \text{ kg/L}$

b) $W = g \cdot m = 9{,}8 \text{ m/s}^2$

$W = 9{,}8 \text{ m/s}^2 \cdot m_{CaCO_3}$

$= 9{,}8 \text{ m/s}^2 \cdot \rho_{CaCO_3} \cdot V_0$

$= 9{,}8 \text{ m/s}^2 \cdot 2{,}05 \text{ kg/L} \cdot 50 \text{L}$

$W = 1{,}0045 \text{ kN}$