Øving 1   MarCUS T. Lexander

1.18

$$M_{H_g} = 13.6 \ ^g/_{mL} \cdot 95.8 \ mL = 130(2.88) \frac{g \ mL}{mL} = \underline{1300 \ g}$$

$$= \underline{\underline{1.2 \cdot 10^3 \ g}}$$

1.22 a) $0.749 = \underline{7.49 \cdot 10^{-1}}$

b) $802.6 = \underline{8.026 \cdot 10^2}$

c) $0.096 = \underline{9.6 \cdot 10^{-2}}$

1.29 a) $5.6792 \ m + 0.6 \ m + 4.33 \ m = 10.6(092) \ m = \underline{10.6 \ m}$

b) $3.70 \ g - 2.9133 \ g = 0.78(67) \not{y} = \underline{0.79 \ g}$

c) $4.51 \ cm \cdot 3.6666 \ cm = 16.5(36366) \ cm^2 = \underline{16.5 \ cm^2}$

d) $\dfrac{3 \cdot 10^4 \ g + 6.8279 \ g}{0.043 \ cm^3 - 0.021 \ cm^3} = \dfrac{30006.8279 \ g}{0.022 \ cm^3} = 1.(36)(0^6 \ ^g/_{cm^3}$

$$= \underline{1 \cdot 10^6 \ ^g/_{cm^3}}$$

1 – C
2 – E
3 – E