

Homework Answers
Hill-Petrucci Chapter 3 & 12
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#86.

- a. 0.500 M H_2SO_4
- b. 5.71 M $\text{C}_2\text{H}_5\text{OH}$
- c. 6.324 M KOH
- d. 0.0364 M $\text{H}_2\text{C}_2\text{O}_4$
- e. 0.07770 M $\text{C}_6\text{H}_{14}\text{O}_4$
- f. 0.783 M $\text{C}_3\text{H}_9\text{N}$

#24.

- a. 3.96 % by mass
- b. 7.31% by mass
- c. 8.21 % by mass

48. a. 3.0 m Li_2SO_4
b. 0.062 g $\text{Pb}(\text{NO}_3)_2$ can be added

49. The solution could be left open to air so that some of the solvent evaporates. When enough solvent has evaporated, the solute will begin to crystallize.