Distillation Lab Modifications
Fall 2009

- You will be using a mixture of 20 mL of ethanol and 20 mL of water, instead of 25 mL each of cyclohexane and toluene. The boiling points of ethanol and water are 78 °C and 100 °C, respectively.

- During each distillation, take a temperature reading every 0.5 mL, rather than every 5 mL. This will make the difference between the two distillations clearer when the data is plotted (cf. Fig. 6 in the manual).

- Use a 10-mL graduated cylinder to collect and measure the distillate. Once you reach 10 mL of distillate, quickly empty the graduated cylinder into a spare Erlenmeyer flask, then continue collecting distillate in the 10-mL graduated cylinder. Repeat until either the temperature levels off close to 100 °C, or until the pot is nearly dry. *(NEVER DISTILL TO DRYNESS!)*