Result Sheet: Recrystallization

1. Structures of the two compounds you separated by recrystallization.

   A
   
   B

2. a. Mass of impure anthracene before recrystallization (don’t forget units) ____________
   b. Mass of pure anthracene after recrystallization (don’t forget units) ____________
   c. % Recovery* ____________

3. a. Experimental melting point range of impure anthracene (don’t forget units):
     ____________ – ____________
   b. Experimental melting point range of pure anthracene:
     ____________ – ____________
   c. Literature m.p. _____

4. What ratio of eluting (developing) solvent(s) gave the best TLC results? ________________

5. a. # of spots seen on TLC plate of impure material: ____________
   b. # of spots seen on TLC plate of pure material: ____________

6. a. R$_t$ value of anthracene (watch units)**: ____________
   b. R$_t$ value of impurity (watch units)**: ________

* % recovery and % yield are always given as whole numbers (integers)

** R$_t$ values are reported to two places after the decimal