Name _____ Lab Partner _____

TA Name _____ Section _____ Date _____

Experiment 3 - Reduction of a Ketone

Record the following data.

1. Amount of fluorenone _____g, _____mol

2. Amount of sodium borohydride _____g, _____ mol

3. Amount of hydride _____mol

4. Theoretical yield of 9-fluorenol _____

5. Show calculations for the questions above.

6. Actual yield of 9-fluorenol _____ g, _____ mol

7. Percentage yield _____

8. Melting point of 9-fluorenol _____(observed), _____ (reported)

9. R_f values: Fluorenone _____, 9-fluorenol _____

10. R_f values for product _____