

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 _____