

Chem 2062 Spring 2006
Hydration (Experiment 24) Worksheet

1. Calculate your percent yield and describe specifically how this could have been made higher.
2. What was the boiling point range for your purified product? How was this data obtained? From this data, which of the possible products was formed in this reaction?
3. Attach your IR spectrum, interpret the peaks on the sheet, and make a table of the peaks below. How does this confirm your answer to question 2?
4. On the back, draw the full mechanism for this reaction. Specifically indicate the point at which this product is formed as opposed to the other possible product of this reaction, and briefly explain why this is the case.
5. Draw an equation with all reagents necessary to produce the other hydration product that you did *not* produce in this experiment.