

To a 5 mL reaction vial, 85% Sulfuric Acid (0.8 mL, 35 mmol). A spin vane was placed in the vial. This turned the solution slightly bright pink. 1-hexene (0.6 mL, 5 mmol) was added to the reaction vial with a glass syringe while being stirred on an aluminum block. The reaction was stirred for a total of 20 minutes. Water (2 mL, 55

mmol) was added to the vial and a jacket condenser was attached. The stirring was set to a gentle stir and water turned on until steadily flowing through the condenser. The heat was turned on to a setting of 4. Once it began to reflux, a timer was set for 15 minutes. During this time, the color returned to clear. After the timer

completed, the heat and water were turned off and the mixture was raised above the aluminum plate to cool to touch, then added to an ice bath.

The organic (top) layer was transferred to a 3 mL reaction vial and the organic was dried using a gentle stream of nitrogen gas. This nitrogen stream