Bobby Schretzman Fall 2008

**Photos:**

Figure 1: TLC plates developed in ethyl acetate (plates 1 and 4) and hexane (plates 3 and 2). The circles in pencil indicated the size of the fluorescent spots in the UV lamp. The dot is the estimated center of the mark.

Figure 2: TLC plates with unknown #55. Plate 7 was developed in ethyl acetate. Plate 8 was developed in dichloromethane. Plate 9 was developed in 50% Dichloromethane 50% Hexane. The unknown is composed of two compounds separated on the plate. The sample numbers correspond to the compounds on the table above.

Figure 3: Plate 1 developed in Iodine. This stained the entire plate with the organic compounds absorbing more and becoming the dark brown spots indicated in lane 2.