**A Study of Bromocresol Green**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Course\_\_\_\_\_\_Section\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_

Abasic \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Buffer Solutions 1 2 3 4 5

Volume Basic Soln

Volume Acidic Soln

Color

pH (meas.)

AH+ (meas.)

AH+ (calc.)

pH (calc.)

pH (calc.) - pH (meas.)

Asample

Asample

Abasic - Asample

pKa(meas. pH)

pKa (calc. pH)

Average pKa (meas. pH)

Std. Dev.

Average pKa (calc. pH)

Std. Dev.

pKa from least squares fit (#5 of calculations) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_