CHEMISTRY 133
Additional Problem 1.2.3

1.2.3. Given the following data, determine the concentration of levoglucosan in the 4 unknown samples (HEGL-1 to HEGL-4) and the standard deviations of their concentrations.

Levoglucosan Calibration raw data (run 11/30/07)

Levoglucosan Conc. (ug/mL)	Peak Area (mV*s)
0.05	45.9
0.1	87.4
0.2	160.7
0.5	374.5
0.5	361.5
1	763

Sample	Peak Area (mV*s)	comment
HEGL-1	180	
HEGL-2	367.6	
HEGL-3	393.1	
HEGL-4a	531.1	
HEGL-4b	514.9	rerun of sample 4