

Name: _____



Section: _____

Date: _____

Experiment 1: Introduction to Standard Operating Procedures (SOP's) and Good Laboratory Practices (GLP's) in the analytical laboratory (Multi-Techniques & SOP's)

Note: Read chapter 2: "Tools of the Trade" (Harris, D.C. Exploring Chemical Analysis, 8th ed.; W.H. Freeman: New York, 2010). Note: A copy of the Harris text is also available in the Chemistry Resource Room (Q-149)

Pre-lab Exercise (10 pts)

1. What is the importance of keeping a good laboratory notebook? (2pts)
2. Explain the principles of operation of an electronic balance? (2pts)
3. Explain the calibration procedure for an analytical balance (2pts)
4. Which is more efficient a transfer pipet or a measuring pipet? Why? (1pt)

5. Describe the method of “weighing by difference” and when this should be the method of choice (2pts)

6. List the references used: (1pt)

Chem 3055L