

CHEM 331: FORMAL LAB REPORTS

<p>Theory: This section will typically be 2 – 3 pages and will introduce the basic concepts of the lab exercise. Some of this background is given in the lab manual, which you may incorporate in your own words. The theory section will typically involve references from one of more of the course texts.</p>		5
<p>Experimental: Refer to the lab manual except where modifications have been made. Also include specific information about the source (and purity) of chemical reagents used, make and model of specific instruments employed and operating conditions for instrumental methods. Be sure to describe how duties and responsibilities were divided for labs that involved a group effort.</p>		3
<p>Data: Summarize experimental data in tables wherever possible. Include enough information for the data table to stand alone as a source of information. Be sure to report the source of data if not your own.</p>		5
<p>Results: Summarize results in tables where possible. Be sure to include sample calculations (if any) and attach spreadsheet calculations and graphs as an Appendix.</p>		5
<p>Discussion: Discuss the significance of your results in the context of the theory section. Your discussion should include references to the primary literature so that you can compare your results to those of others. Address any supplemental questions in your discussion section. The discussion section will typically be 2- 3 pages.</p>		5
<p>Organization: Presentation and proper reference citation using the ACS style of the journal <i>Environmental Science and Technology</i>.</p>		2
<p>TOTAL</p>		25