UCD Chem 105: Lab Manual

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This manual is the culmination of the efforts of many individuals. While some of the experiments are "classics", and appear in various forms in many Quantitative Analysis textbooks and laboratory manuals, much effort was expended to ensure that the experiments work well here at U.C. Davis and thus each experiment has been extensively tailored for our laboratory program. We view this manual as one of continual modification, and often improvements arise from comments and criticisms. We thus encourage you to discuss ideas for improvements with your TA and instructor.

- Statistical Treatment of Data
Lab 1: Analog Electronics

Lab 2: Standardization of HCl

Lab 3: Potentiometry

Lab 4: Gas Chromatography
Lab 5: Principles and Properties of Semiconductor Lasers

Lab 6: Atomic Hydrogen Spectroscopy

Lab 7: Absorption Spectra of Conjugated Dyes
Contributors

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