Grading the Environmental Chemistry Report:

Title Page/ 0.1
- Authors
- Section
- LAs
- Professor

Abstract/0.3
- Summary of Experiment (about 1 paragraphs)
  a. Project addressed
  b. Method used
  c. Results obtained
  d. Implications of results

Introduction /0.5
- Problem addressed by the lab
  a. Something about the watershed/area
  b. may include history
  c. discussion of importance of parameter measured
- General description of the method used and the theory of technique used; This should include the chemistry where appropriate

Procedure / 0.5
- What and how things were done
- Should be concise and accurate;
  o Eg. No need to mention how dilutions were done. It will be assumed that they know how to do this.
  o No need to say glassware was collected or burette was placed on stand
- For phosphate and iron wavelength of measurement should be indicated

Results /0.4
- Proper Tables and Figures
  a. Tables and graphs should be properly labeled
  b. All tables and graphs should be placed into the text and be sufficiently discussed
  c. Every table must have a brief title that describes its contents. Every column must have a heading that describes the material below it.
  d. Graphs do no have to fill a page but should be of a size that is easily read.

Calculations/0.3
- Example of calculations
- Proper use of significant figures
- All number should be reported with the associated units
Discussion/ 1.0

- Include discussion of the method used, eg Beers Lambert Plot. Was it linear and without an intercept? Where there any outliers? If so, how did you treat the outliers?
- Where the results for replicate samples consistent? If not, how did they reconcile this?
- What do the experimental results tell you about the problem being addressed? Did the lab accomplish what it set out to do? Consider the introduction. Why or why not?
- What are the limitations of the results:
  a. Are the results consistent? Are they reliable, precise, and accurate? Are they too high or too low? Do they make sense?
  b. How do the results compare to values measured previously? Elsewhere?
  c. What are the possible errors?
     i. Include all the sources of errors that could have affected your results.
     ii. Did you do anything to reduce these errors?.
     iii. How would each error have affected your results? Would it make it too high or too low?

- Say what you learnt and what information the data reveal.
- Say what you would have done differently and what other test would have added more insight if the resources (time, money, etc) allowed.

Conclusion / 0.2

- Summarize the answer to the question asked and any implication of the conclusion

Subjective points / Style / 0.7

- Good English and the over all tone of the report
- Does the report flows?