Organic Chemistry II Laboratory (CHE 243)

Reverse Engineering Report Rubric

The following guidelines should be followed when preparing your Consumer Product Report:

Proposal:

Header/Title\_\_\_\_\_2pts

Objective (similar to purpose) \_\_\_\_\_5pts

Plan of action (may be in paragraph or flow chart format) \_\_\_\_\_5pts

Table listing compounds and data (similar to physical constants table) \_\_\_\_\_8pts

* Boiling point, Density, Melting Point, etc. (as applicable)
* IR Spectra standard stretching/bending frequencies
* Refractive Index standard values

Final Report:

Intro/Objective\_\_\_\_\_5pts

Body/Experimental Procedure\_\_\_\_\_10pts

Results & Discussion\_\_\_\_\_10pts

* Include GC, IR, HPLC and Refractive Index data
* Show all calculations

Conclusion\_\_\_\_\_10pts

* Restate significant (conclusive) findings
* Comment on possible ways to further your research and/or propose new ideas for future analysis

\*Update original data table to include experimental findings\_\_\_\_\_10pts

\*Include all experimental chromatograms and standards\_\_\_\_\_10pts

\*\* Final Report must be a minimum of 2 pages (without chromatograms and standards)

Assessment

Selection of product: 5 Points

Proposal: 20 Points

Laboratory Work: 20 Points

Report: 55 Points