Organic Chemistry I Laboratory (CHE 241)

Forensic Report Rubric

The following guidelines should be followed when preparing your Forensic Report:

Proposal:

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

Objective (similar to purpose) \_\_\_\_\_4pts

Plan of action (may be in paragraph or flow chart format) \_\_\_\_\_6pts

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

* Boiling point
* IR Spectra standard stretching/bending frequencies
* Refractive Index standard values

Final Report:

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

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

Results & Discussion\_\_\_\_\_15pts

* Include GC, IR and Refractive Index data
* Should prove ID of Poison
* Show all calculations for determination of percentage (equation of line)

Conclusion\_\_\_\_\_5pts

* Identification and percentage of poison as shown by results

\*Update original data table to include experimental findings\_\_\_\_\_5pts

\*Include all chromatograms, standards and Refractive Index curve\_\_\_\_\_5pts

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

Assessment

Proposal: 25 Points

Laboratory Work: 20 Points

Report: 45 Points

Accurate Percentage: 10 Points