**Rubric: Experiment 5 :Chem 6614
Mixture Component Identification Using IR and GC methods in combination**

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**\_\_/3 Purpose:** states actual desired goal and is done succinctly in full sentences.

\_\_\_/ 6 **Procedural details**

 \_\_\_A Instrument settings connected to methods below are present:

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\_\_GC (including model #)

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**\_\_/10 Observations**

 \_\_\_Titled and annotated Unknown GC and IR traces

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 \_\_\_ Table 1( Observed GC Peak tr and Peak Area, A, for Unknown & Key Reference Mixes)

\_\_\_Table 2 Main Observed Diagnostic IR bands for Unknown & Key Reference Mixtures

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 \_\_\_Table 4: IR mode/group motion assignment for reference mixtures vs Unknown bands

 \_\_\_ Discussion and argument for unknown identities is clear, competent and complete

 With scenario conditions taken into account as part of the discussion

\_\_\_ Calculations for estimated volume % are present and coherent

**\_\_\_/5 Results**

 \_\_\_Unknown label and source present

\_\_\_ Unknown component ID and their estimated volume % stated

**\_\_\_/4 Miscellaneous**

 \_\_\_English usage

 \_\_\_workmanship (neatness, attention to detail)

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