**Rubric for grading Laboratory #6: Instrumental Methods**

**1)\_\_\_\_/2 format**

**2)\_\_\_/2** **Introduction**

Brief discussion of the role and approach taken by the two methods, GC and FTIR, to identify organic compounds is clear and sufficiently specific

**3)\_\_\_/ 7 Observations**

**3.1 FTIR**

**\_\_/ 1 FTIR Scan conditions on FTIR**

*Annotated spectrum as outlined in “What to Report for Lab # 5: Instrumental methods”*

**\_\_\_/2 Table 1: Main IR bands Observed for unknown #10**

*Completed as outlined in “What to Report for Lab # 5: Instrumental methods”*

**3.2 GC**

**\_\_\_/2 Table 2: GC run conditions**

*Completed as outlined in “What to Report for Lab # 5: Instrumental methods”*

**\_\_/2 Annotated chromatogram**

**4) \_\_\_/14 Analysis**

**Results:**  \_\_\_/9 must have right answer

**Rationale: \_\_\_\_/5 \_\_\_ FTIR data compared sensibly and as outlined in What to Report for Lab #5**

**\_\_\_ GC data compared sensibly and as outlined in What to Report for Lab #5**

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**\_\_\_/2 Table 2: GC run conditions**

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**\_\_/2 Annotated chromatogram**

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