

IR Spectroscopy – Identification of Spectra.  
Second Semester

Name \_\_\_\_\_

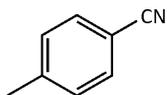
Reading/Reference Technique 25 in Pavia, Sections 15.1 to 15.7 in Klein (2<sup>nd</sup> edition), MIT OCW handout

Instructions

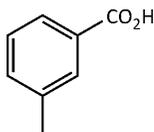
1. Match the spectrum number (1-7) to the compound name.
2. Interpret the spectrum. Find the diagnostic peaks present in each spectrum and note them in the box.

Diagnostic peaks

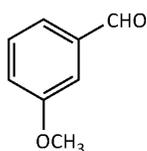
\_\_\_ *p*-tolunitrile



\_\_\_ *m*-toluic acid



\_\_\_ *m*-anisaldehyde



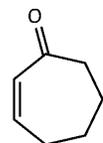
\_\_\_ cyclooctane



\_\_\_ cyclooctene



\_\_\_ cyclohept-2-en-1-one



\_\_\_ amylamine

