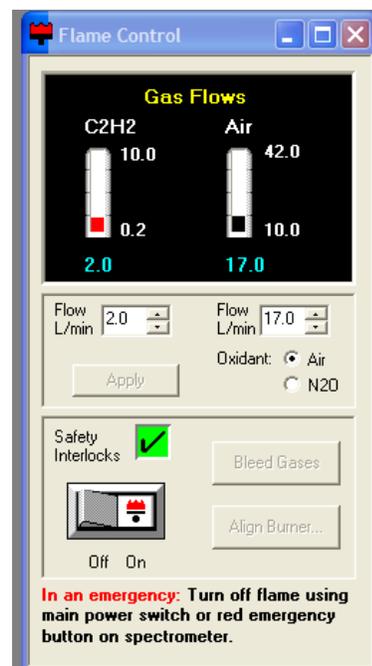


Perkin Elmer AA800 Operation Guide for Flame Atomization, updated 2-5-2014  
Fe Analysis for CHEM 314



7. Setup sample run sequence
  - a. Click on the “Saminfo” icon on the toolbar
  - b. Enter sample information in table
  - c. Exit window
  - d. Click on the “auto” icon on the toolbar
  - e. Click on the “Analyze” tab
  - f. Hit “Rebuild List” to update the sample information and location
  
8. Prep the acetylene for the flame (do not turn on the flame until entering sample data into the sample info editor).
  - a. Turn on Acetylene Tank by turning ONLY the knob main knob.  
The acetylene pressure needs to be between 13 and 15 PSI when the flame is lit.  
Be sure there is at least 85 psi in the tank before you start  
Do not run below 75 psi
  - b. Light flame
    - i. Click flame icon, be sure “safety interlocks” box is green  
If red, click on the box to see what the problem is.
    - ii. Bleed gasses to purge gas lines ~30 seconds
    - iii. Click toggle switch to light- takes ~30 seconds to light  
can repeat if first ignition unsuccessful



**Never leave the flame running unless someone is standing there to watch it**  
**Acetylene is limited—do not leave the flame running if you are not running samples**  
**Keep an eye out for clogs or bubbles not moving in the aspirator tube**  
**Keep an eye on drain tube to be sure you are always aspirating solution**

9. Start sample run sequence
  - a. Click on the “Auto” icon on the toolbar
  - b. Click on the “Analyze” tab
  - c. Verify sample positions are correct.
  - d. Hit “Rebuild List” to update the sample information and location for your students
  - e. Click on “Analyze All” button (automated analysis will proceed to completion)
  
10. Results will print as analysis proceeds.

