EAS Clarity

1. Set Machine to work mode
2. Set machine to remote mode
3. Check flow rates
   1. He: 100 mL/min
   2. O2: 20-30 mL/min
   3. Sampler: 100 mL/min
   4. Air: 1 bar
4. Open EAS Clarity
5. Login as administrator
   1. Don’t worry about picking a project unless you have already started one
6. Optional: open a new project
   1. File 🡪 Project 🡪 New
7. Set your method
   1. Click on “Ring” icon on the EA machine icon
   2. Describe method
      1. Method description: Carbon and Nitrogen
      2. GC column: Three meter HeySep Q, Mesh: 80-100
      3. Flow rate: Helium: 100 ml/min at 1.1 bar
      4. Detection: TCD
      5. Left Furnace temp: 980
      6. Right furnace temp: 650
      7. Oven: 65
      8. Note: Oxygen: 27 ml/min at 1 bar
   3. Enable Autostop
      1. 5.5 min run time
   4. Save method as
   5. Set method
8. Open sample table (spreadsheet icon)
9. Put in sample information and weights
10. Save as new sample table in project folder
11. Check run boxes
12. Link calibration by clicking graph icon
13. Check voltage
    1. ~2 mV
14. Fill autosampler
    1. First sample will fall through
15. Begin run
    1. From sample table: Sample table 🡪 Run
16. Check bypass samples for retention time and window
    1. Change these in the elements tab of the calibration window if needed
    2. You can find these data in the chromatogram window
    3. Check that carbon response ratio is 0.055 or so
17. Check that blanks are blank (VERY low N and C)
    1. Remove bad points if necessary
18. Check fit of standard curve
    1. Remove bad points if necessary
19. Let samples run
    1. Check QC throughout
20. When done, put machine into standby or shut down