

## Maintenance tasks:

### Daily:

1. Note pressure on HV1 and HV2 in orange Vacuum chambers log
2. Note O<sub>2</sub> and moisture levels in Glovebox log

### Monthly:

1. Order N<sub>2</sub> tanks (industrial grade) for glovebox (note order date in log)
  - a. Size 44 industrial grade N<sub>2</sub>; check for PO # in MOSAIC, write to airliquide ([clinton.kruger@airliquide.com](mailto:clinton.kruger@airliquide.com)) to check for delivery
2. Check eyewash
3. Check gas tank levels in front lab, and note on log posted beside each tank
4. Check conditions of the gloves
  - a. push them in and out,
  - b. use the foot pedal to fill with gas to see if they fill properly
5. Check condition of o-rings (look for stiffening, cracks, etc)
6. Check vacuum pump oil

### Bi-yearly:

1. Leak check glovebox (see p. 17 user manual)
2. Change vacuum pump oil
3. Change activated charcoal in solvent trap (see p. 40-41 user manual)
4. Replace inlet/outlet filters

### As needed:

1. Replace gloves
2. Replace o-rings
3. Regeneration (see manual p.31-32 for details) – use Normal mode regeneration only (p.32)
  - a. Need to regenerate the system when the oxygen and moisture levels start to rise on their own. In about 2-3 months you will see the oxygen level rise to a couple of ppm and then the next day it will be more like 10 ppm. The levels will not go down on their own. This is a sign that the filter column has reached its capacity. You will then need to run a regeneration.