



# CHEMTECH SERVICES, INC.

## UIC Short Path Distillation Services

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## Standard Operating Procedure for Cleaning

**Note: Ensure Vacuum Sensor is removed before starting the cleaning SOP**

Pump Speed set at 200-250 rpm on Feed Controller

Wiper motor speed set at 270 rpm on Controller

Directions: Select one cleaning agent of the multiple selections in each step. Collect the volume amount requested for the cleaning run. Place cleaning agent into feed tank in order. Starting with step one and continuing on to following steps. Run each cleaning agent through system. Allow system to dry for an extended period of time (with system being open to atmosphere).

### **STEP 1: Vegetable Oil/Canola Oil/Soy Bean Oil: 500mL**

1. Evaporator Bath Temp: 130°C
2. Feed Bath Temp: 90°C
3. Residue Bath Temp: 90°C
4. Condenser Bath Temp: 30°C
5. Cold Trap Temp: -30°C or lower
6. Vacuum: No Vacuum Needed

### **STEP 2: Xylene/Limonene/ZEP: 1L**

7. Evaporator Bath Temp: 110°C
8. Feed Bath Temp: 50°C
9. Residue Bath Temp: 50°C
10. Condenser Bath Temp: 10°C
11. Cold Trap Temp: -30°C or lower
12. Vacuum: No Vacuum Needed

### **Step 3: IPA: 500mL**

1. Evaporator Bath Temp: 70°C
2. Feed Bath Temp: 50°C
3. Residue Bath Temp: 50°C
4. Condenser Bath Temp: 10°C
5. Cold Trap Temp: -30°C or lower
6. Vacuum: No Vacuum Needed