
HPLC Equipment Servicing Course - 2 days

DAY 1

0900-1100

HPLC tubing and fittings
Materials Science in HPLC

1115-1300

Pumps-

Replacing seals
Cleaning / replacing check valves
Upgrading to check valve cartridges
Replacing piston
Checking flow accuracy
Lubricating Motor

1400-1700

Injection Valves

Dismantling and re-assembly,
Rotor seal replacement and lubrication.
Adjustment for a high pressure seal.

Autosamplers

Cleaning/replacing needle
Calibrating xy positions for trays
Checking syringe accuracy
Checking injection reproducibility
Removing air from the syringe
Replacing syringe

DAY 2

0900-1100

UV Detector

Checking lamp energy
Replacing deuterium and tungsten lamps
Checking wavelength
Cleaning and rebuilding the cell
Replacing Cell

1115-1300

Degasser

Checking vacuum
Replacing the membrane tubes

Pulse Dampener

Replacing the membrane

1400-1500

Column

Replacing frits

Column Oven

Checking temperature

1500-1700

Problem Scenarios