

## Performance Qualification of the SRI 210D HPLC

Gradient Accuracy test ( for binary gradient systems only )

- 1) Make a solution of 100ppm Acetone in water for pump A.
- 2) Use pure water for Pump B.
- 3) Replace the column with 50 feet of .005"i.d. Peek tubing. At 1ml/min flow, head pressure should be about 3000psi
- 4) Set up a gradient from 0-100% in five discrete steps as shown below.
- 5) At each step change in the acetone concentration there will be a 1-2minute delay before the new concentration arrives at the detector, then the baseline will stabilize.
- 6) The steps should be equal in size as shown in the chromatogram below.

Pump A Starting concentration	Hold time	Final Concentration
0%	5min	0%
20%	5min	20%
40%	5min	40%
60%	5min	60%
80%	5min	80%
100%	5min	100%

