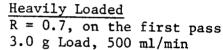
Waters of Application of Application

LAH 0072 10/82

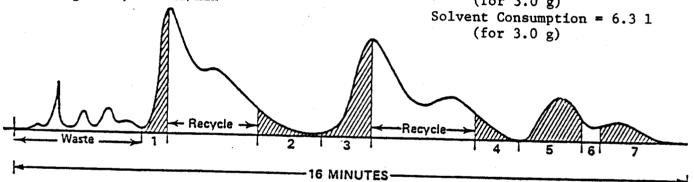
SHAVING-RECYCLE TECHNIQUE FOR SAMPLE RECOVERY

The shaving-recycle technique is the best approach when total recovery of both components is of high importance. The example below shows the experimental verification of the peak shaving-recycle technique on a separation with α = 1.3. The alternative is to run the lightly loaded system six times.

Clearly the PrepLC™ System with recycle is the only instrumentation optimized for preparative needs—highest throughput, lowest separation times, lowest solvent consumption, lowest column investment.



Throughput = 0.19 g/min
Separation Time = 16 minutes
(for 3.0 g)
Solvent Consumption = 6.3 1



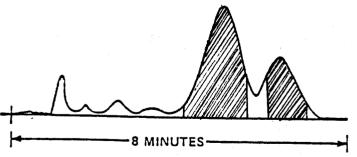
Lightly Loaded

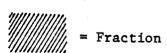
R = 1.25

0.5 g Load, 500 ml/min

Run 6 times for 3.0 grams

Throughput = 0.06 g/min
Separation Time = 48 minutes
(for 3.0 g)
Solvent Consumption = 24 1





Brian Bidlingmeyer (Prep Tech VIII-BAB/77)