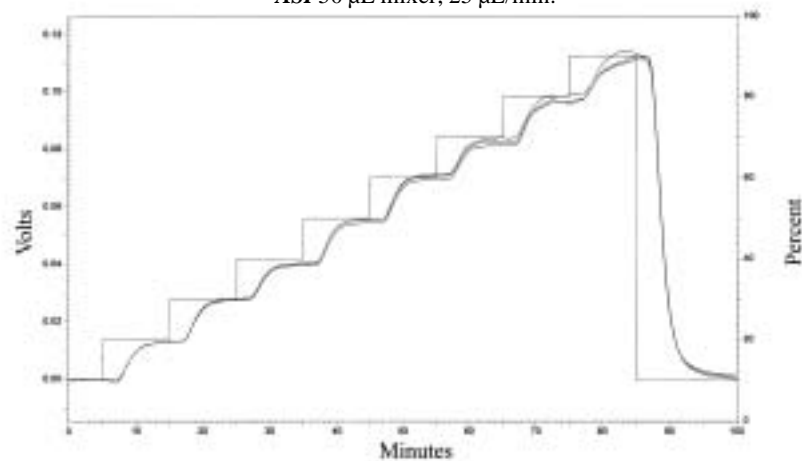
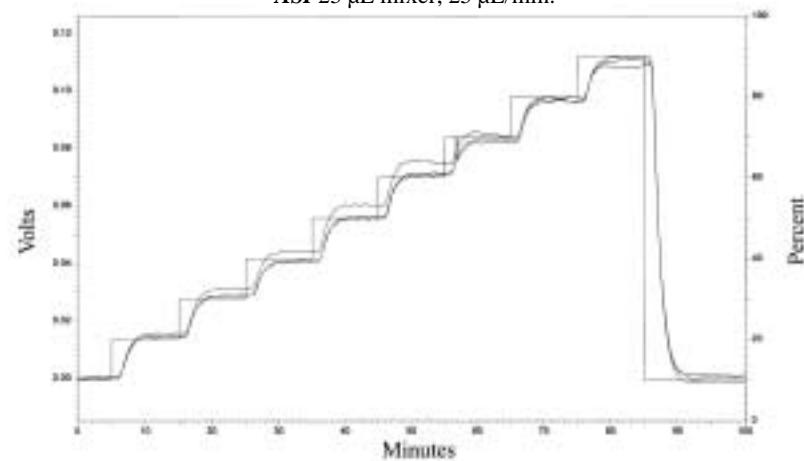


# Effect of Mixer Volume on Gradient Accuracy with a Constant Flow Rate

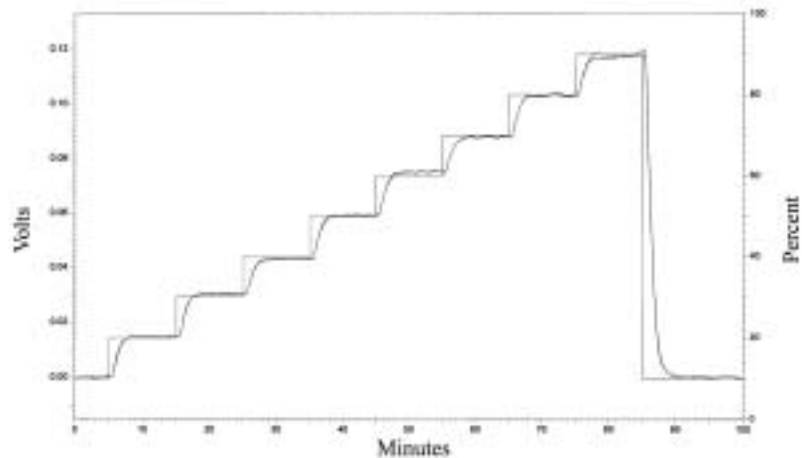
ASI 50  $\mu\text{L}$  mixer, 25  $\mu\text{L}/\text{min}$ .



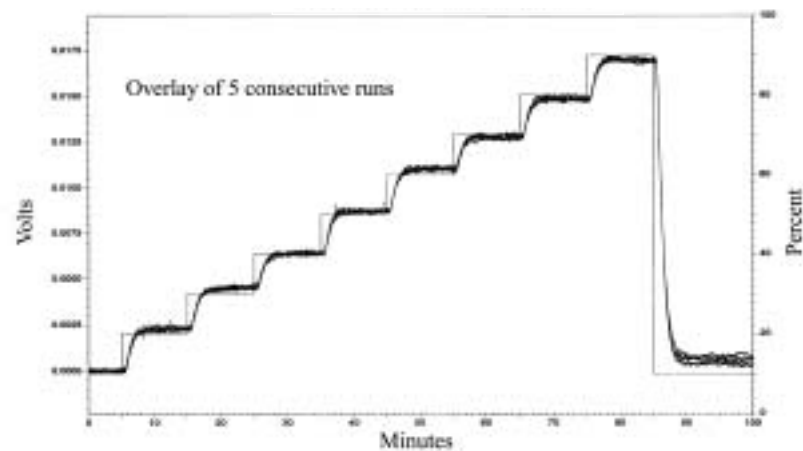
ASI 25  $\mu\text{L}$  mixer, 25  $\mu\text{L}/\text{min}$ .



ASI 10  $\mu\text{L}$  mixer, 25  $\mu\text{L}/\text{min}$ .



ASI 10  $\mu\text{L}$  mixer, 25  $\mu\text{L}/\text{min}$ .



## HPLC System configuration:

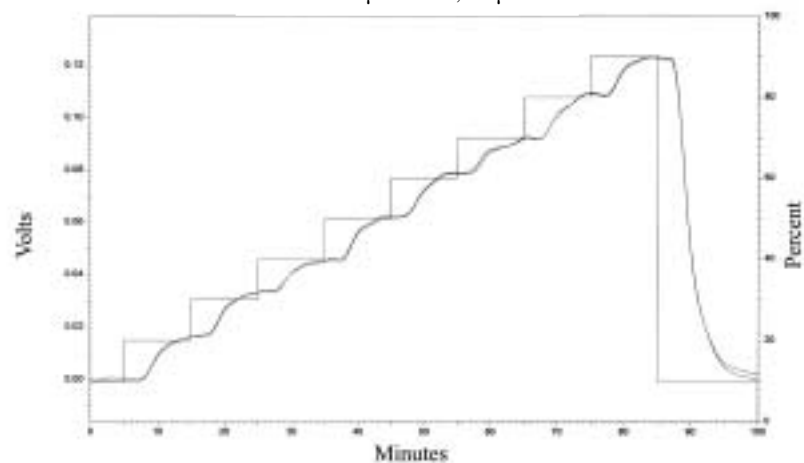
Shimadzu LC-10ADVP pumps with micro-flow modification  
 Shimadzu SPD-10AVP UV-VIS detector  
 Shimadzu Class-VP v5.03 software

## HPLC conditions:

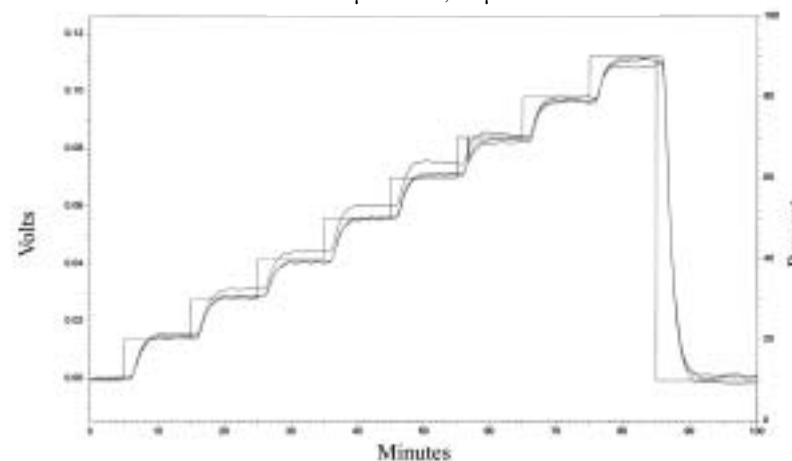
Gradient: 10-90% B in 10 min. steps  
 A = H<sub>2</sub>O  
 B = 0.3% Acetone in H<sub>2</sub>O

# Effect of Flow Rate on Gradient Accuracy with a Constant Mixing Volume

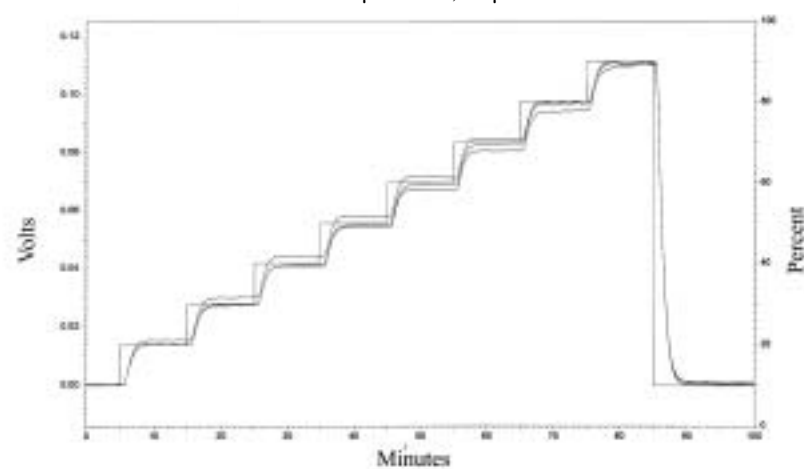
ASI 25  $\mu\text{L}$  mixer, 10  $\mu\text{L}/\text{min}$ .



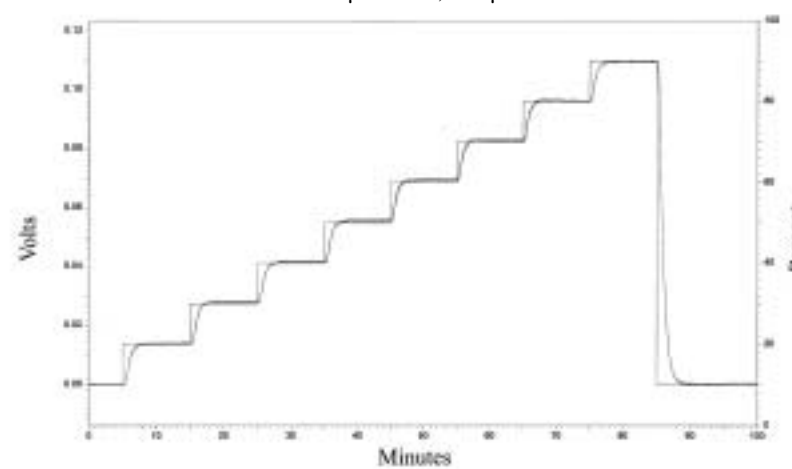
ASI 25  $\mu\text{L}$  mixer, 25  $\mu\text{L}/\text{min}$ .



ASI 25  $\mu\text{L}$  mixer, 50  $\mu\text{L}/\text{min}$ .



ASI 25  $\mu\text{L}$  mixer, 100  $\mu\text{L}/\text{min}$ .



## HPLC System configuration:

Shimadzu LC-10ADVP pumps with micro-flow modification  
Shimadzu SPD-10AVP UV-VIS detector  
Shimadzu Class-VP v5.03 software

## HPLC conditions:

Gradient: 10-90% B in 10 min. steps  
A = H<sub>2</sub>O  
B = 0.3% Acetone in H<sub>2</sub>O