

Column Description

Length: 15 meters
ID: 0.53mm
Film Thickness: 0.50µm
Max. Temp.: 300°C

Test Mixture

Sample: 22 Herbicide Mix
Volume: 1.0µL
Solvent: Ethyl Acetate
Conc.: 5ng/µL each component

Chromatographic Conditions

Oven: 60°C (1 min) to 280°C (1 min) at 16°C/min,
run time = 16 min
Carrier Gas: Helium
Column Flow: 5mL/min constant at approximately 2.1psi;
set at 60°C
Direct Injection: splitless mode; 1.0µL by auto-injector;
slow injection
Purge to Split-Vent Flow: 3.4mL/min
Purge Time: 0.75 min
Injector Temp.: 220°C
Detector: NPD
Hydrogen: 5.0mL/min
Air: 60.0mL/min
Make-Up Nitrogen: Off
Detector Temp.: 310°C

