

Organophosphorus Pesticides in AOAC QuEChERS Solvent on Rxi-5ms

Column Rxi-5ms, 15 m, 0.25 mm ID, 0.25 μ m (cat.# 13420)
Sample 8140/8141 OP pesticide calibration mix A (cat.# 32277)
Diluent: 1% Acetic acid in acetonitrile
Conc.: 1 ng/ μ L
Injection
Inj. Vol.: 1 μ L splitless (hold 1.5 min)
Liner: Premium 4 mm single taper w/wool (cat.# 23303)
Inj. Temp.: 250 $^{\circ}$ C
Purge Flow: 40 mL/min
Oven
Oven Temp.: 70 $^{\circ}$ C (hold 1.5 min) to 330 $^{\circ}$ C at 12.7 $^{\circ}$ C/min (hold 3.0 min)
Carrier Gas He, constant flow
Flow Rate: 1 mL/min
Detector FID @ 350 $^{\circ}$ C
Constant Column +
Constant Make-up: 50 mL/min
Make-up Gas
Type: N₂
Hydrogen flow: 40 mL/min
Air flow: 450 mL/min
Data Rate: 10 Hz
Instrument Agilent/HP6890 GC

