

# Organophosphorus Pesticides in AOAC QuEChERS Solvent on Rxi-5ms

**Column** Rxi-5ms, 15 m, 0.25 mm ID, 0.25  $\mu$ m (cat.# 13420)  
**Sample** 8140/8141 OP pesticide calibration mix A (cat.# 32277)  
**Diluent:** 1% Acetic acid in acetonitrile  
**Conc.:** 1 ng/ $\mu$ L  
**Injection**  
**Inj. Vol.:** 1  $\mu$ 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 350  $^{\circ}$ C at 12.7  $^{\circ}$ C/min (hold 1.4 min)  
**Carrier Gas** He, constant flow  
**Flow Rate:** 1 mL/min  
**Detector** FID @ 360  $^{\circ}$ C  
**Constant Column +**  
**Constant Make-up:** 50 mL/min  
**Make-up Gas**  
**Type:** N<sub>2</sub>  
**Hydrogen flow:** 40 mL/min  
**Air flow:** 450 mL/min  
**Data Rate:** 10 Hz  
**Instrument** Agilent/HP6890 GC

