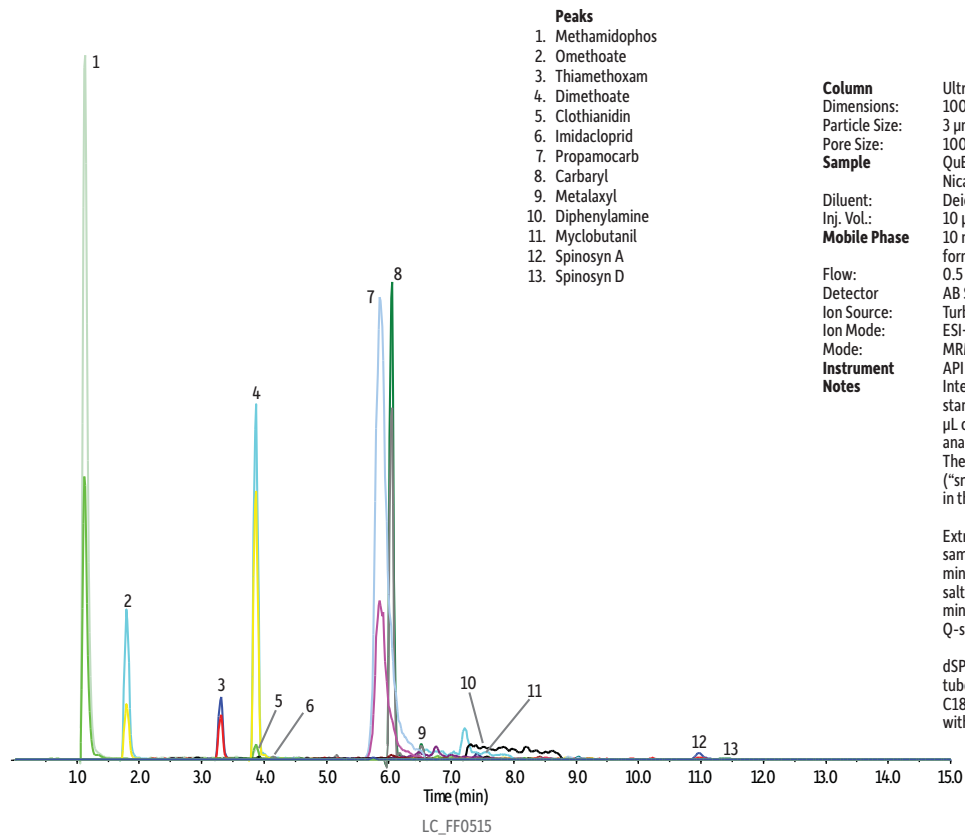


Incurred Pesticides in Red Bell Pepper QuEChERS Extract on Ultra Aqueous C18



Column Ultra Aqueous C18 (cat.# 9178312)
Dimensions: 100 mm x 2.1 mm ID
Particle Size: 3 µm
Pore Size: 100 Å
Sample QuEChERS extract of red bell pepper
Nicarbazin (bis-nitrophenol urea) (cat.# 33261)
Deionized water:acetonitrile (90:10)
Diluent:
Inj. Vol.: 10 µL
Mobile Phase 10 mM ammonium acetate in water:10 mM ammonium formate in methanol with gradient program
0.5 mL/min
Flow:
Detector AB SCIEX API 4000™ LC/MS/MS System
Ion Source: TurbolonSpray®
Ion Mode: ESI+
Mode: MRM
Instrument API LC-MS/MS
Notes Internal Standard: 100 µL of QuEChERS internal standard mix for GC-MS analysis (cat.# 33267) and 100 µL of QuEChERS internal standard mix for LC-MS/MS analysis (cat.# 33261) were added to each 10 g sample. These internal standard mixes require no dilutions ("snap-and-shoot") and contain compounds specified in the EN 15662 QuEChERS method.

Extraction: 10 mL acetonitrile was added to a 10 gram sample of homogenized red bell pepper. After a 1 minute shake, Q-sep™ European method extraction salts (cat.# 26236) were added followed by another 1 minute shake. The sample was then centrifuged with a Q-sep™ 3000 centrifuge (cat.# 26230).

dSPE: Add 1 mL extract to QuEChERS dSPE cleanup tube containing 150 mg MgSO₄, 25 mg PSA, and 25 mg C18 (cat.# 26216). Shake for 30 seconds and centrifuge with Q-sep™ 3000 centrifuge (cat.# 26230).