

CLICK ON THE UNDERLINED BLUE TEXT FOR DETAILS ON THE PRODUCTS USED IN THIS APPLICATION

EXTRACTION PROCEDURE

1. Add 15 mL 1% acetic acid in acetonitrile into the 50 mL DisQuE™ extraction tube 1.
2. Add 15 g of homogenized sample into the 50 mL tube.
3. Add any internal standards and standard mixture.
4. Shake vigorously for 1 minute and centrifuge > 1500 rcf for 5 minute.
5. Transfer 1 mL of the acetonitrile extract into the clean-up tube 2.
6. Shake for 30 seconds and centrifuge >1500 rcf for 1 minute.
7. Transfer 0.5 mL extract into a tube.
8. Add any post-extraction internal standards.
9. Add 0.25 mL toluene.
10. Evaporate at 50 °C with N₂ to < 0.1 mL.
11. Bring volume up to 0.2 mL with toluene.
12. Transfer to vial with insert for analysis.

TEST CONDITIONS

GC Conditions

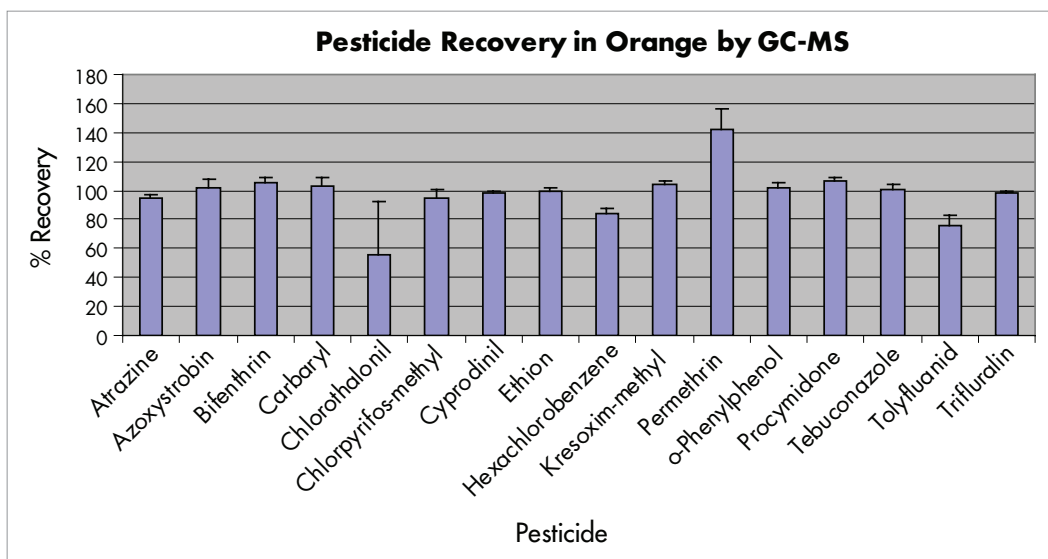
Instrument: Agilent® 6890N GC
 Column: RTX-5MS, 30 x 0.25 mm, (0.25 µm film)
 Carrier Gas: Helium
 Flow Rate: 1.0 mL/min
 Temp. Program: Initial 100 °C, hold 1 min, then 10 °C/min to 320 °C, hold for 7 minute
 Injection Volume: 2 µL splitless

MS Conditions

Instrument: Waters Quattro micro™ GC-MS
 Ionization: Electron Impact (70 eV)
 Acquisition: Single Ion Recording (SIR) Mode

ORDERING INFORMATION

Description	Part Number
DisQuE 50 mL Tube-AOAC/Acetate	186004571
DisQuE 2 mL Tube-AOAC/C18	186004830
LCGC Certified Vials	186000272C
Insert 300 µL with Poly Spring	WAT094170



Pesticides in Oranges by GC-MS

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