

**Pesticides on
Ultra Aqueous C18 (LC/MS/MS)**



Sample: multicomponent pesticide standard
Inj.: 10µL
Conc.: 1ppb each pesticide
Sample diluent: acetonitrile

Column: Ultra Aqueous C18
Cat. #: 9178312
Dimensions: 100mm x 2.1mm
Particle size: 3µm
Pore size: 100Å

Conditions:
Instrument: Shimadzu Prominence® UFLCxx
Mobile phase:
A: 10 mM NH₄OAc in water
B: 10 mM NH₄OAc in methanol

Time (min.)	%B
0.0	20
8.0	90
12.0	100
14.8	100
14.9	20

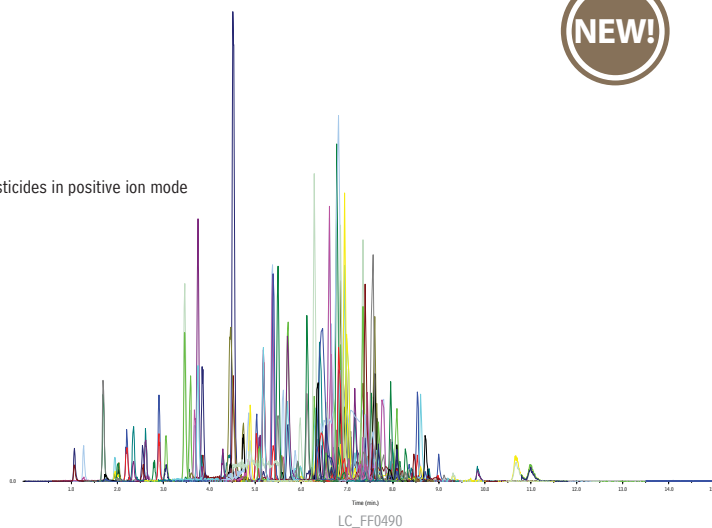
Flow: 500µL/min
Temp.: 35°C

Det.: Applied Biosystems 4000 QTRAP® LC/MS/MS system
Ion Source: TurboIonSpray®

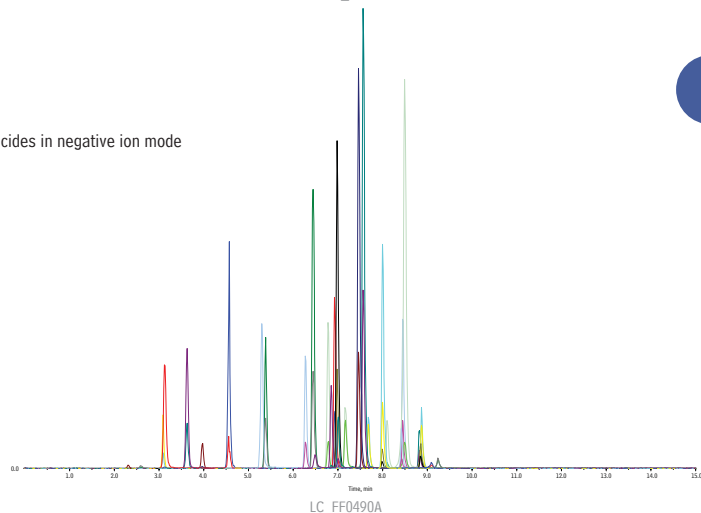
A & C: ESI+
B: ESI-

IonSpray Voltage: 5kV (ESI+), -4.2kV (ESI-)
Gas 1: 50psi
Gas 2: 60psi
Source Temp.: 600°C

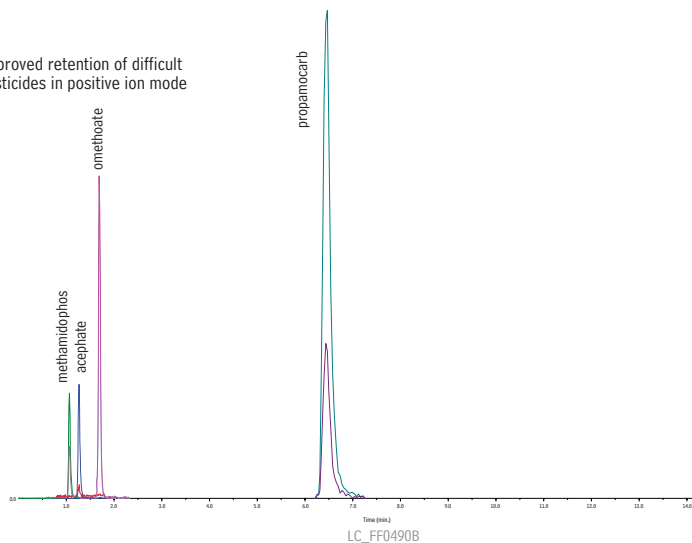
A: Pesticides in positive ion mode



B: Pesticides in negative ion mode



C: Improved retention of difficult pesticides in positive ion mode



for
more
info

Visit www.restek.com/cat005 to view our "Comprehensive Pesticide Residue Analysis by LC/MS/MS Using an Ultra Aqueous C18 Column" article (contains compound identifications and MS details).