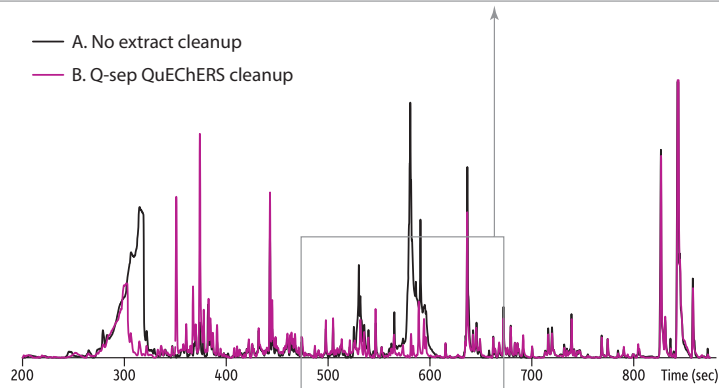
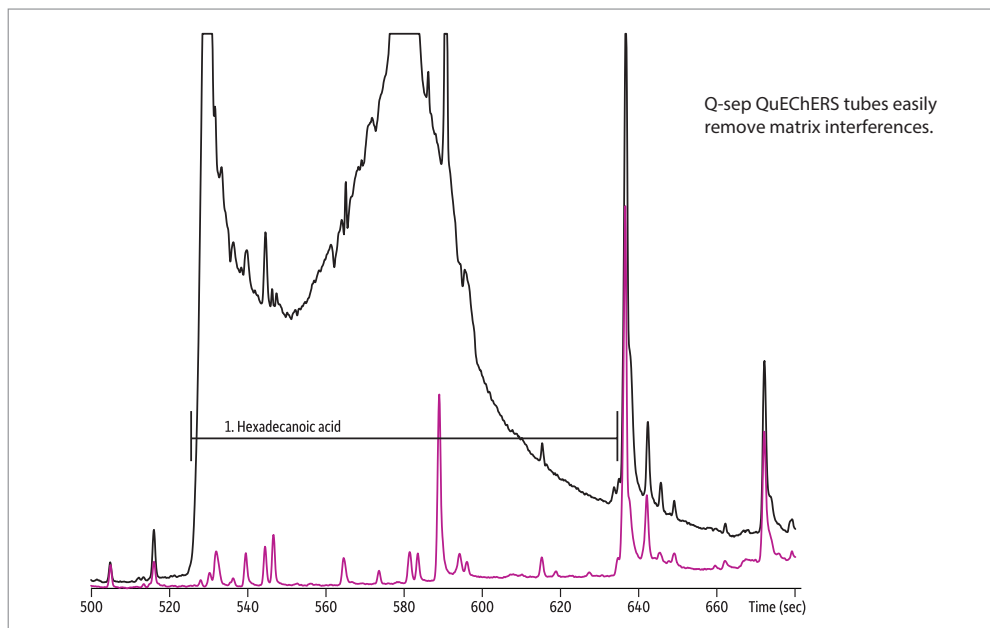


Pesticides on Sweet Potato With and Without QuEChERS dSPE Cleanup on Rxi-5Sil MS



GC_FF01125-1127

Peaks

1. Hexadecanoic acid

Column Rxi-5Sil MS, 20 m, 0.18 mm ID, 0.18 μ m (cat.# 43602)
Standard/Sample Sweet potato spiked with pesticide mix and extracted with acetonitrile and Q-sep QuEChERS EN Method 15662 extraction salts

Injection
 Inj. Vol.: 1.0 μ L splitless (hold 1 min)
 Liner: Single taper (4 mm) w/deact. wool (cat.# 22405)
 Inj. Temp.: 250 $^{\circ}$ C

Oven
 Oven Temp.: 72.5 $^{\circ}$ C (hold 1 min) to 350 $^{\circ}$ C at 20 $^{\circ}$ C/min
 Carrier Gas: He, constant flow
 Flow Rate: 1.2 mL/min

Detector MS
 Mode:

Transfer Line Temp.: 300 $^{\circ}$ C
 Analyzer Type: TOF

Ionization Mode: EI
 Acquisition Range: 45-550 amu

Instrument Agilent/HP6890 GC

Sample Preparation
 A. Extract (without cleanup step) acidified with formic acid to pH 5.
 B. Extract with cleanup using Q-sep QuEChERS dSPE cleanup tube (cat.# 26124) acidified with formic acid to pH 5.

Notes m/z 60, 73, 87, 129, 256 plotted