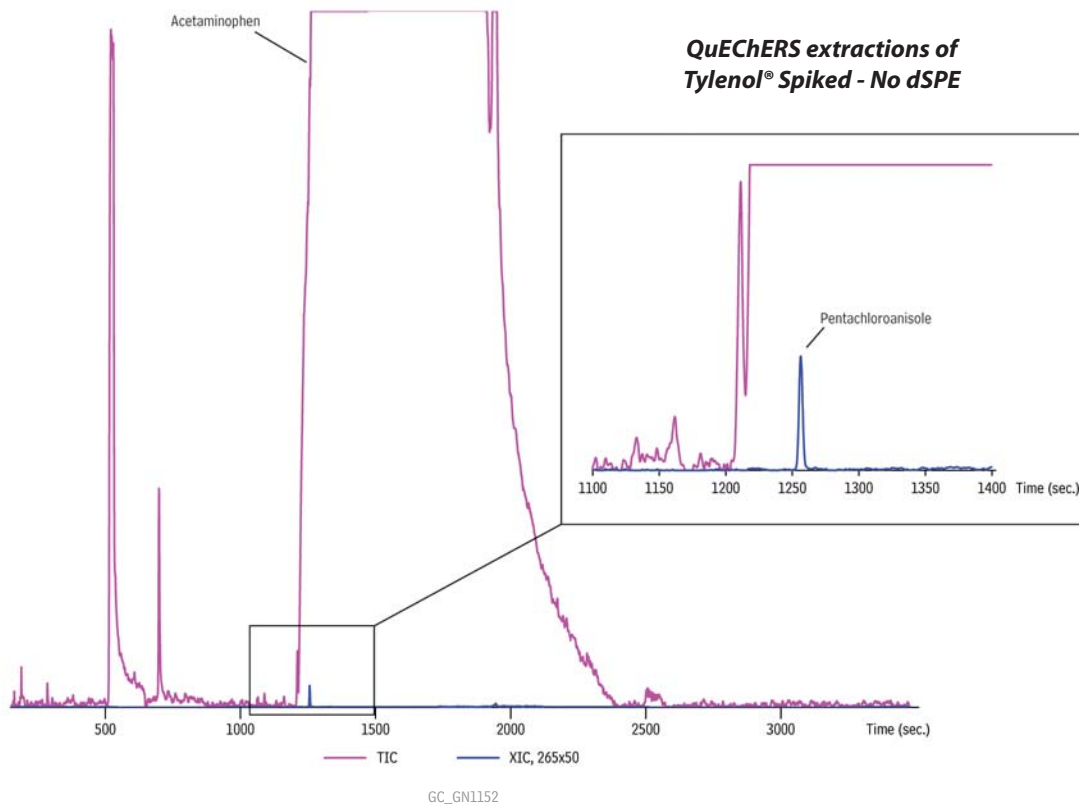


QuEChERS Extracts of Tylenol® Spiked with Anisoles and TBA on Rxi®-5Sil MS



Column Rxi®-5Sil MS, 30 m, 0.25 mm ID, 0.25 μm (cat.# 13623)
Sample QuEChERS extracts of Tylenol® spiked with TBA and anisoles
Diluent: Acetonitrile
Injection
 Inj. Vol.: 1 μL splitless (hold 1 min.)
 Liner: Gooseneck Splitless (4mm) with Wool (cat.# 22405)
 Inj. Temp.: 250 °C
 Purge Flow: 40 mL/min.
Oven
 Oven Temp: 90 °C (hold 1 min.) to 310 °C at 4 °C/min. (hold 2 min.)
Carrier Gas
 Carrier Gas: He, constant flow
 Flow Rate: 1.2 mL/min.
 Linear Velocity: 40 cm/sec.
Detector
 Detector: TOFMS
Transfer
 Line Temp.: 290 °C
 Analyzer Type: TOF
 Source Temp.: 225 °C
 Electron Energy: 70 eV
 Mass Defect: -20 mu/100 u
Solvent
 Delay Time: 2 min.
 Tune Type: PFTBA
 Ionization Mode: EI
Acquisition
 Range: 45 to 550 amu
Spectral
 Acquisition Rate: 5 spectra/sec
Instrument
 LECO Pegasus 4D GCxGC-TOFMS
Notes
 Total ion chromatogram (pink) of QuEChERS extracts of Tylenol® spiked with anisoles and TBA, and extracted ion chromatogram (blue, 265x50) of pentachloroanisole, which was located by an automated peak find routine underneath the large acetaminophen peak. No dSPE was performed on this sample; see Applications Note GNAN1263 for complete sample fortification and extraction details.