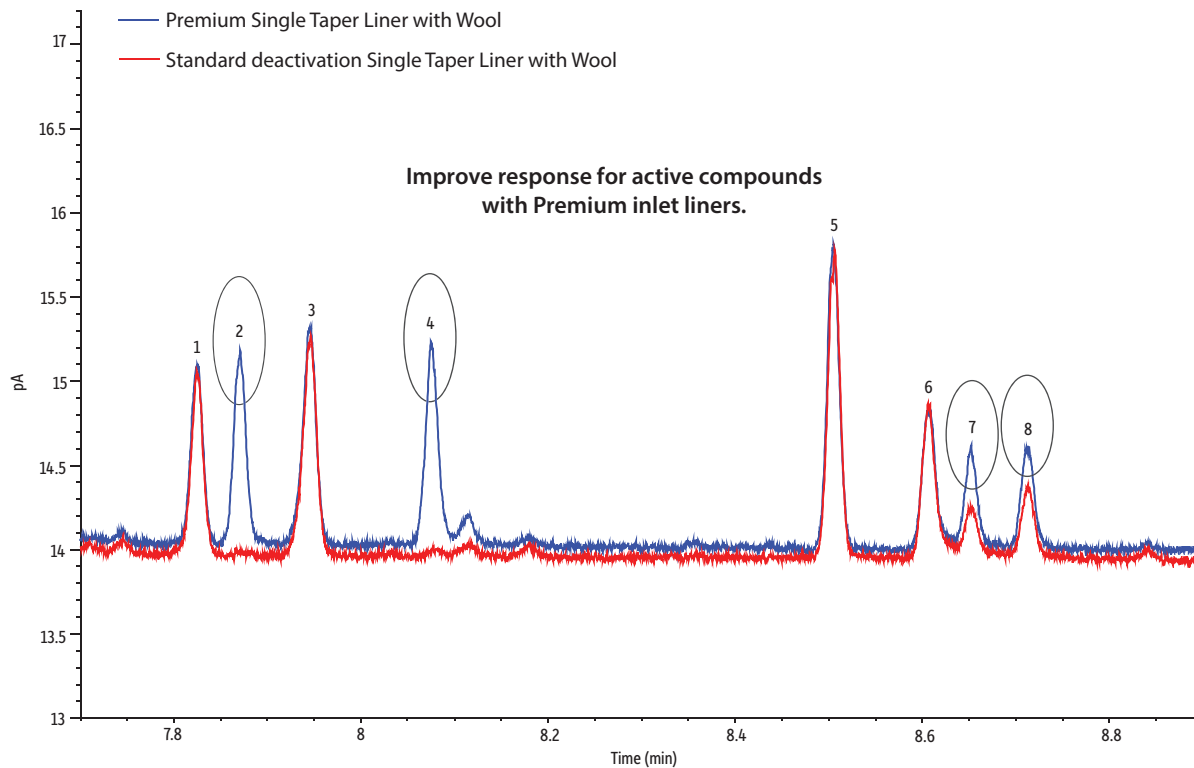


Comparison of Low-Level Pesticide Responses Using Restek Premium vs. Standard Deactivation Inlet Liners, Part I (QuEChERS Performance Standard C on Rxi®-5ms)



GC_GN1185

Peaks

1. Vinclozoline
2. Carbaryl
3. Metalaxyl
4. Methiocarb
5. Cyprodinil
6. Thiabendazole
7. Captan
8. Folpet

Column

Rxi®-5ms, 15 m, 0.25 mm ID, 0.25 µm (cat.# 13420)

Sample

QuEChERS performance standard C (cat.# 31155)

Diluent:

Toluene

Conc.:

100 pg/µL

Injection

Inj. Vol.:

1 µL splitless (hold 1 min)

Liner:

Comparison of low-level pesticide responses using Premium single taper with wool (cat.# 23303.5) and standard deactivation single taper with wool (cat.# 22406)

Inj. Temp.:

250 °C

Purge Flow:

40 mL/min

Oven

Oven Temp.:

70 °C (hold 1 min) to 330 °C at 21 °C/min (hold 1.5 min)

Carrier Gas

He, constant flow

Flow Rate:

1.5 mL/min

Detector

FID @ 340 °C

Make-up Gas

Flow Rate:

45 mL/min

Make-up Gas

Type:

N₂

Hydrogen flow:

40 mL/min

Air flow:

400 mL/min

Data Rate:

50 Hz

Instrument

Agilent 7890A GC