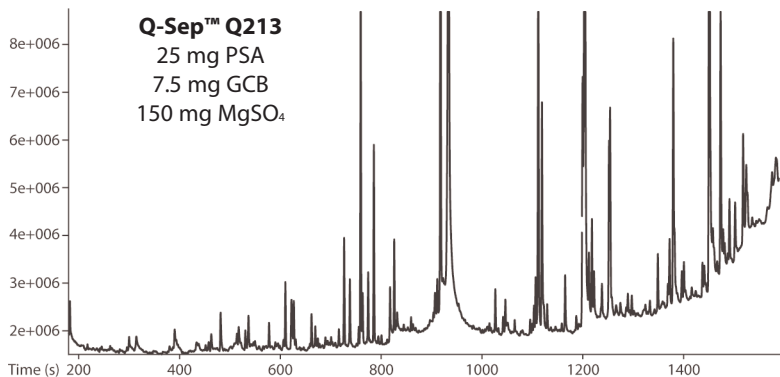


Comparison of Spinach Extracts (TICs) Processed with Different QuEChERS dSPE Sorbents on Rxi®-5SiI MS



**Column
Sample**

Rxi®-5SiI MS, 30 m, 0.25 mm ID, 0.25 μ m (cat.# 13623)
Spinach processed with QuEChERS sample preparation
QuEChERS Internal Standard Mix for GC/MS Analysis
(cat.# 33267)
anthracene for quality control (cat.# 33264)
acetonitrile

Diluent:

1 μ L splitless (hold 1.5 min.)

Injection

Inj. Vol.:

5mL Splitless with wool (cat.# 22973-200.1)

Liner:

250 °C

Inj. Temp.:

Oven

Oven Temp:

90 °C (hold 1.5 min.) to 340 °C at 10 °C/min.

Carrier Gas

He, constant flow

Flow Rate:

2 mL/min.

Detector

MS

Mode:

Analyzer Type:

TOF

Source Temp.:

225 °C

Electron Energy:

70 eV

Ionization

Mode:

EI

Acquisition

Range:

45-550 amu

Spectral

Acquisition

Rate:

5 spectra/sec

Instrument

LECO Pegasus 4D GCxGC-TOFMS

Notes

Sample Preparation:

Sample: 10 g of homogenized spinach, fortified with pesticides and QuEChERS Internal Standard Mix for GC/MS Analysis (cat.# 33267)

Extraction: 10 mL acetonitrile added, 1 minute shake, then addition of Q-sep™ Q110 (cat.# 26235), 1 minute shake, centrifuge with Q-sep™ 3000 Centrifuge (cat.# 26230).

dSPE: cleanup procedure according to EN 15662 method, add control standard anthracene (cat.# 33264) to 1 mL extract, add this to one of two different Q-sep™ dSPE tubes (either cat.# 26218 or cat.# 26219), shake, centrifuge.

