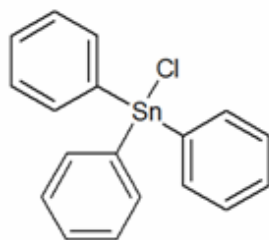


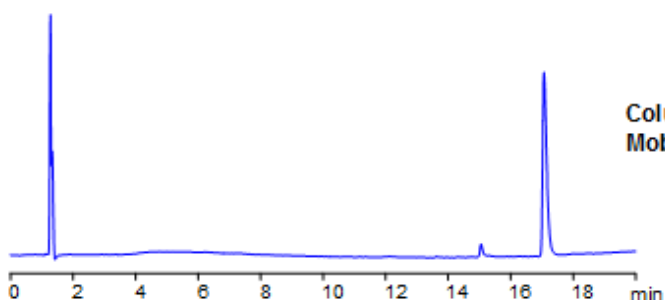
HPLC Analysis of Fentin on Obelisc and Primesep Mixed-Mode Columns

<https://sielc.com/Application-HPLC-Analysis-of-Fentin-on-Obelisc-and-Primesep-Mixed-Mode-Columns>

Chromatogram



Size: 2.1 x 150 mm
Flow: 0.4 mL/min
Detection: UV 270 nm



Description

Fentin is a fungicide made up of three aromatic groups on a tin atom. A single residue method was developed using QuEChERS (Quick, Easy, Cheap, Effective, Rugged, and Safe) method, to be used by EURL (European Union Reference Laboratory). Fentin was analyzed on a 3 micron Primesep 100 and Obelisc R column. Primesep 100 retains using embedded acidic ion-pairing groups, while Obelisc R retains using multiple ionic-pairing groups and a long hydrophobic chain. Method is LC/MS compatible and same conditions can be used to separate many different pesticides.

Method Parameters

Mobile Phase	Gradient MeCN – 10-70%, 15 min, 7 min hold
Buffer	Gradient AmAc pH 3.0- 20-60 mM, 15 min, 7 min hold
Flow Rate	0.4 ml/min
Detection	UV, 270 nm

Class of Compounds	Insecticide, Herbicide, Fungicide, Hydrophobic, Ionizable
Analyzing Compounds	F

HPLC Column Used

Primesep 100, 2.1×150 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](http://hplc-shop.de)