

Multiresidue Analysis of Pesticides in Vegetables and Fruits

Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief shows the Japan Ministry of Health, Labor and Welfare (JPMHLW) Method for multi-residue

analysis of pesticides in vegetables and fruit.

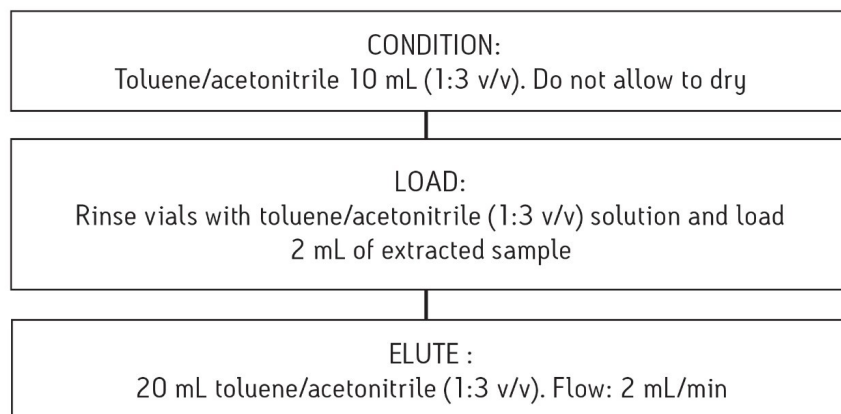
Introduction

This application brief shows the Japan Ministry of Health, Labor and Welfare (JPMHLW) Method for multi-residue analysis of pesticides in vegetables and fruit. This sample preparation method calls for an extract from the commodity, followed by a SPE extract from a Sep-Pak Vac Carbon Black/Aminopropyl column.

Experimental

SPE Procedure

Sep-Pak[®] Vac Carbon Black/Aminopropyl 6 cc/500 mg/500 mg



LC Conditions

System:	Alliance HPLC 2695
Column:	XTerra MS C ₁₈ , 3.5 µm, 2.1 x 150 mm
Flow rate:	0.2 mL/min

Mobile phase A:	water
Mobile phase B:	methanol
Mobile phase C:	100 mM ammonium acetate in water
Injection volume:	5 µL
Column temp.:	40 °C

MS Conditions

MS System:	Waters Quattro Premie XE
Ionization mode:	Positive electrospray (ESI ⁺)
	Multiple reaction monitoring

Results and Discussion

Featured Products

- [Alliance HPLC System <https://www.waters.com/534293>](https://www.waters.com/534293)

720002586, April 2008



© 2021 Waters Corporation. All Rights Reserved.