

Multiresidue Analysis of Pesticides in Vegetables and Fruits

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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.

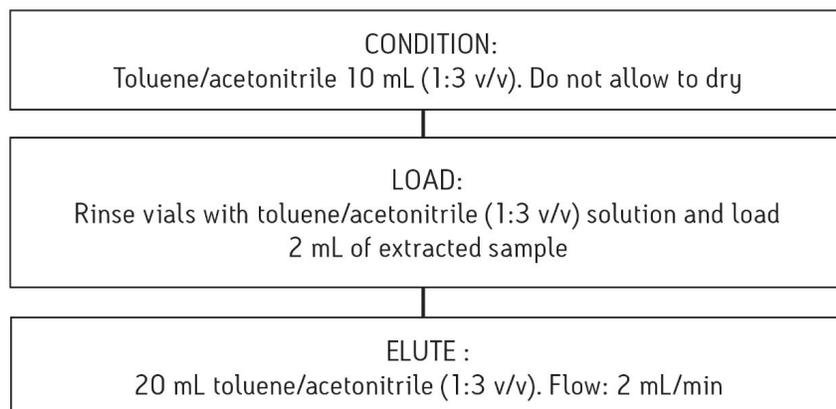
Introduction

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 μ L |
| Column temp.: | 40 $^{\circ}$ 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)

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