

Acephate in Drinking Water

Waters Corporation



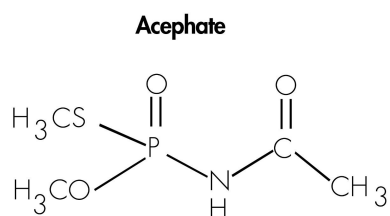
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of acephate in drinking water using SymmetryShield columns.

Introduction

Acephate in drinking water has been analyzed in this application brief.



Experimental

HPLC Method

Column:	SymmetryShield RP ₈ , 3.9 x 150 mm, 5 µm (p/n: WAT200655)
Mobile phase:	H ₂ O/ACN 96:4
Flow rate:	1.0 mL/min
Injection volume:	75 µL
Detection:	UV @ 200 nm (0.02 AUFS)

Oasis® HLB Extraction Method

Conditions for Oasis® HLB Cartridge, 3 cc, 60 mg
Part Number WAT094226

Prepare Sample:

To 20 mL sample add 5 g NaCl
Adjust to pH 3 with H_3PO_4

Condition:

3 mL methylene chloride

Rinse: 3 mL methanol

Rinse: 3 mL H_2O

Load:

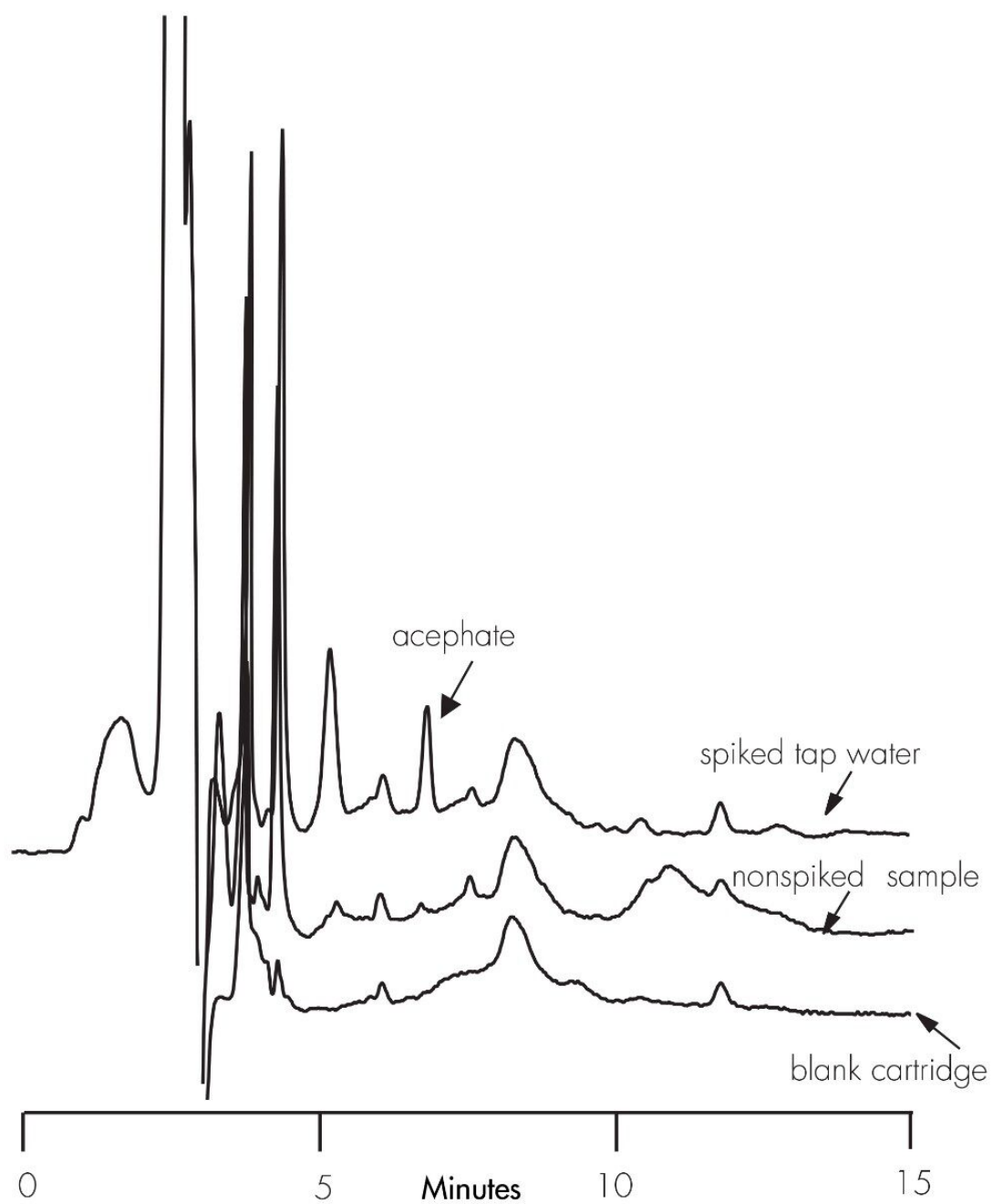
20 mL sample @ 4 mL/min

Elute:

2 mL methylene chloride

Evaporate and Reconstitute:

with 250 μL mobile phase



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