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Nota de aplicación

Benomyl and Bisphenol A

Waters Corporation



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

Abstract

This application brief demonstrates analysis of Benomyl and Bisphenol A.

Introduction

The compounds used in this study are -

- 1. Benomyl
- 2. Carbaryl
- 3. Atrazine
- 4. Bisphenol A

1. Benomyl

3. Atrazine

2. Carbaryl

4. Bisphenol A

Experimental

HPLC Method

Column: Symmetry C_{18} , 3.9 x 150 mm, 5 μ m

Part number: WAT046980

Mobile phase A: 10 mM phosphate, pH 6.8

Mobile phase B: Methanol

Flow rate: 1.0 mL/min

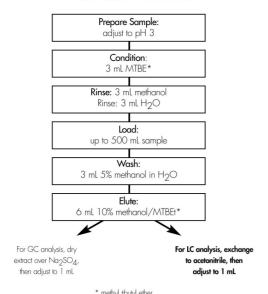
Injection volume: $100 \mu L$

Detection: PDA (283 nm extracted)

Gradient

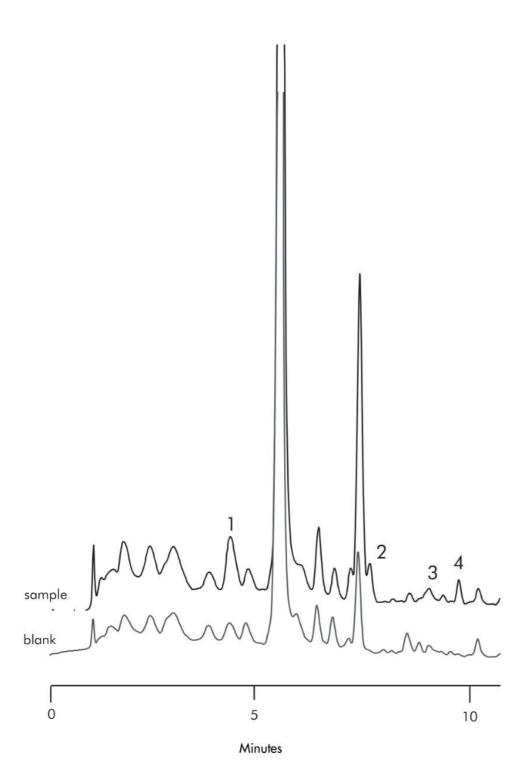
Time (min)	Profile	
	%A	%B
0	60	40
20	0	100

Oasis® SPE Method for Endocrine Disruptors Conditions for Oasis® HLB Cartridge, 6 cc, 200 mg Part Number WAT 106202



* methyl Houtyl ether diethyl ether can be used as an alternative to MTBE

Results and Discussion



Compounds	% Recovery ± % RSD	
1. Benomyl	65 ± 10	
2. Carbaryl	N/A	
3. Atrazine	N/A	
4. Bisphenol A	83 ± 2	

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