Waters™

Nota applicativa

Benomyl and Bisphenol A

Waters Corporation



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

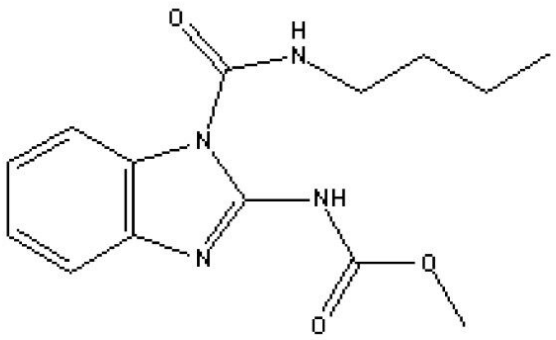
Abstract

This application brief demonstrates analysis of Benomyl and Bisphenol A.

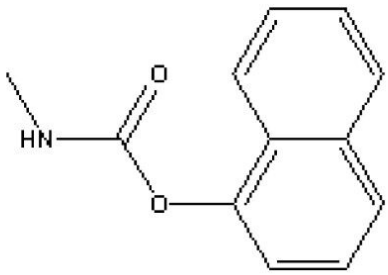
Introduction

The compounds used in this study are –

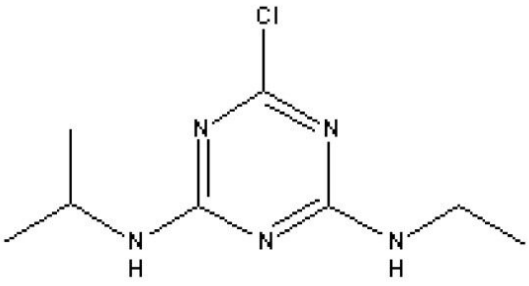
1. Benomyl
2. Carbaryl
3. Atrazine
4. Bisphenol A



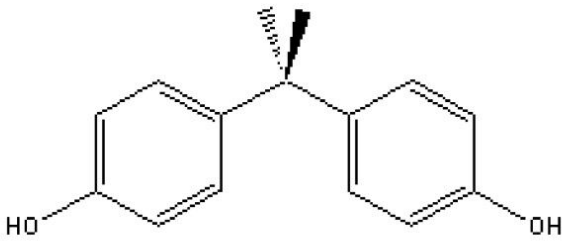
1. Benomyl



2. Carbaryl



3. Atrazine



4. Bisphenol A

Experimental

HPLC Method

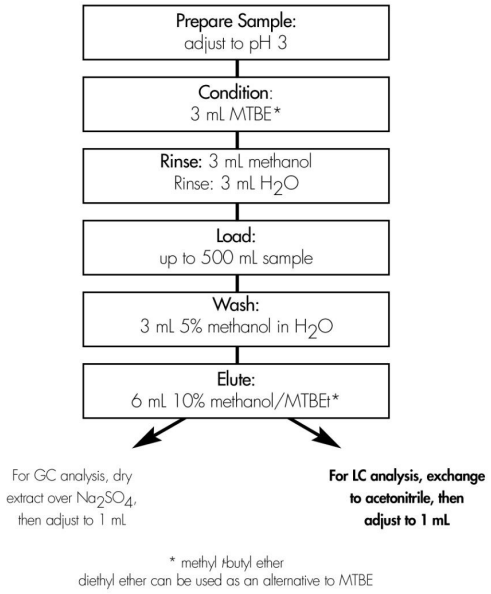
Column:	Symmetry C_{18}, 3.9 x 150 mm, 5 µm
Part number:	WAT046980
Mobile phase A:	10 mM phosphate, pH 6.8
Mobile phase B:	Methanol
Flow rate:	1.0 mL/min
Injection volume:	100 µL
Detection:	PDA (283 nm extracted)

Gradient

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

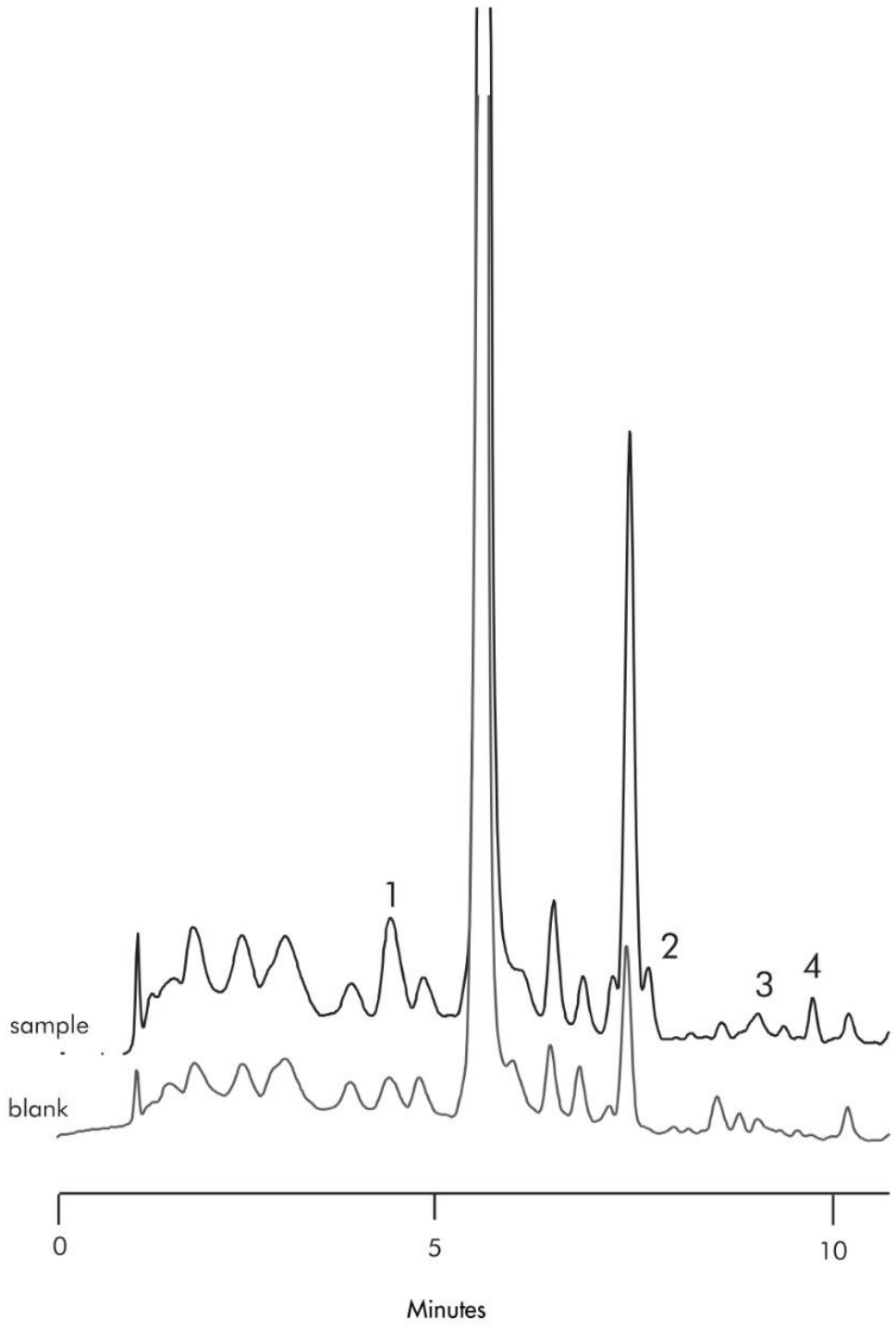
Oasis® SPE Method for Endocrine Disruptors

Conditions for Oasis® HLB Cartridge, 6 cc, 200 mg
Part Number WAT106202



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

Results and Discussion


1
2
3
4
sample
blank
0
5
10
Minutes

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

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