Waters™

应用纪要

Acidic Herbicides in Red Wine

Waters Corporation



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

Abstract

This application brief demonstrates analysis of acidic herbicides in red wine.

Introduction

The compounds analyzed in this study are

- 1. picloram
- 2. chloramben
- 3. dicamba
- 4. bentazon
- 5. 2,4-D
- 6. MCPA

TYPICAL GRAPE PIGMENT (MALVIDIN-3-GLUCOSIDE)

Experimental

HPLC Method

Column: XTerra MS C_{18} , 100 x 2.1 mm, 3.5 μm

Part number: 186000404

Mobile phase A: 20 mM phosphate pH 3

Mobile phase B: Methanol

Flow rate: 0.2 mL/min

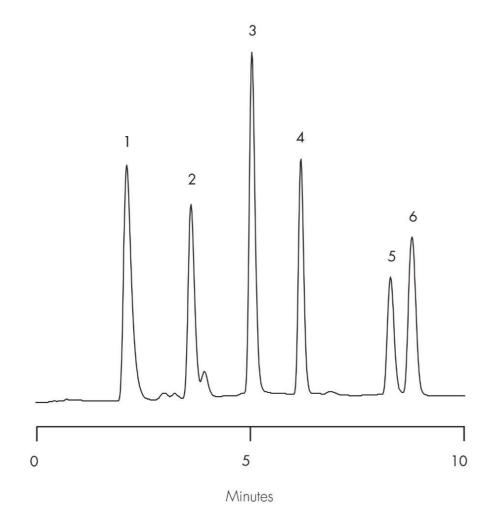
Injection volume: 10 µL

Detection: UV @ 221 nm

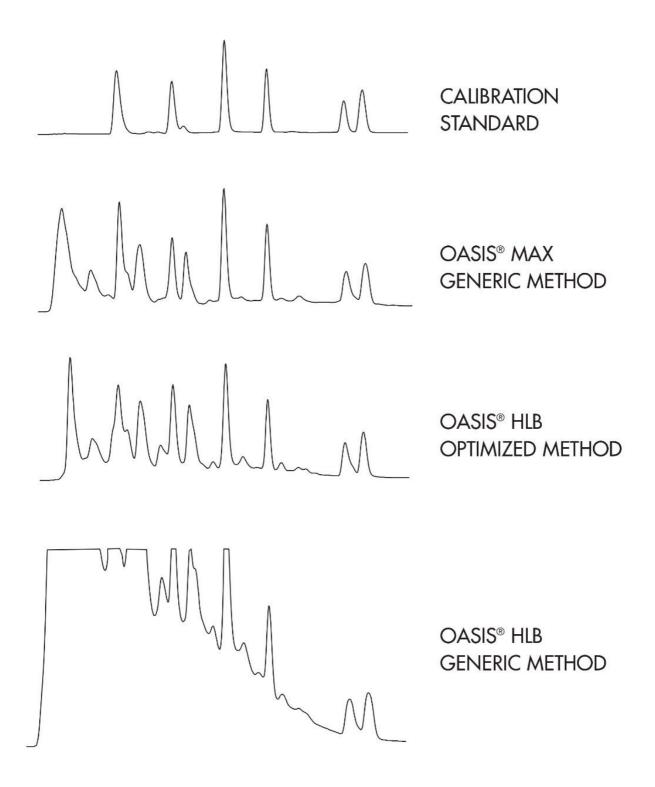
Gradient

Time (min)	Profile	
	%A	%B
0	75	25
6	40	60

Results and Discussion



- 1. picloram
- 2. chloramben
- 3. dicamba
- 4. bentazon
- 5. 2,4-D
- 6. MCPA



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