

Clopyralid and Triclopyr in River Water - LC/UV

Waters Corporation



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

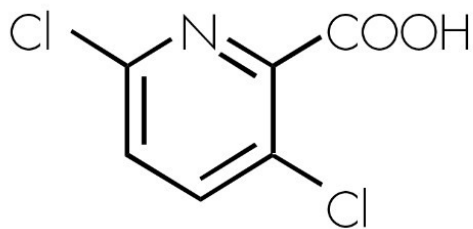
Abstract

This application brief highlights the analysis of clopyralid and triclopyr in river water using XTerra RP₁₈ Columns.

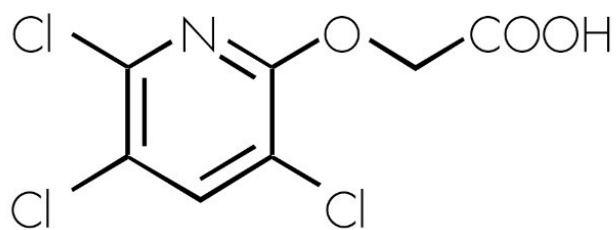
Introduction

Compounds used in this study are:

1. Clopyralid
2. Triclopyr



Clopyralid



Triclopyr

Experimental

HPLC Method

Column:

XTerra RP₁₈ 4.6 x 100 mm, 3.5 μm (p/n:
186000438)

Mobile phase A:

10 mM TFA, pH 2.1

Mobile phase B:

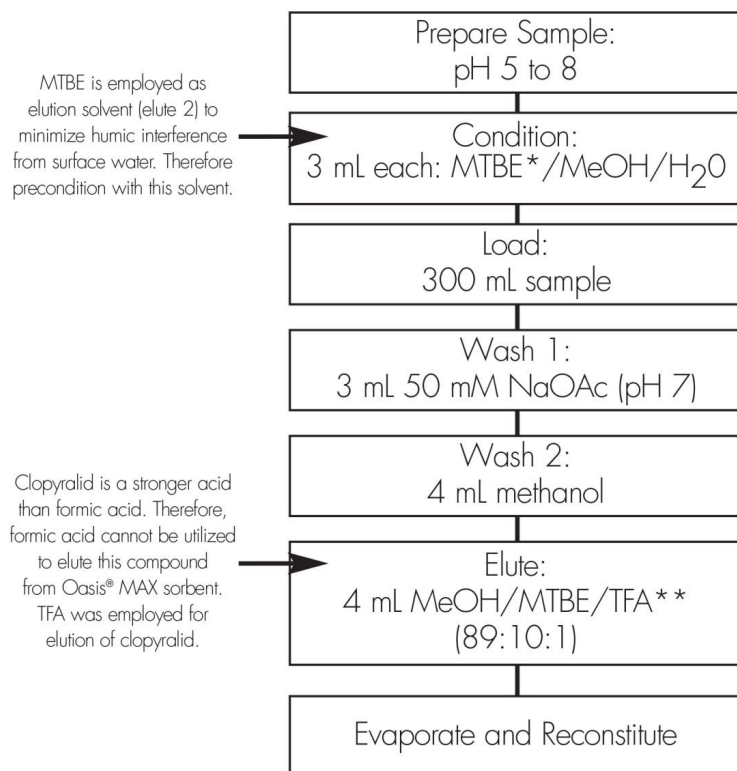
ACN

Flow rate: 1.0 mL/min
Injection volume: 50 µL
Detection: UV @ 290 nm
Instrument: Alliance 2695, 2996 PDA

Gradient

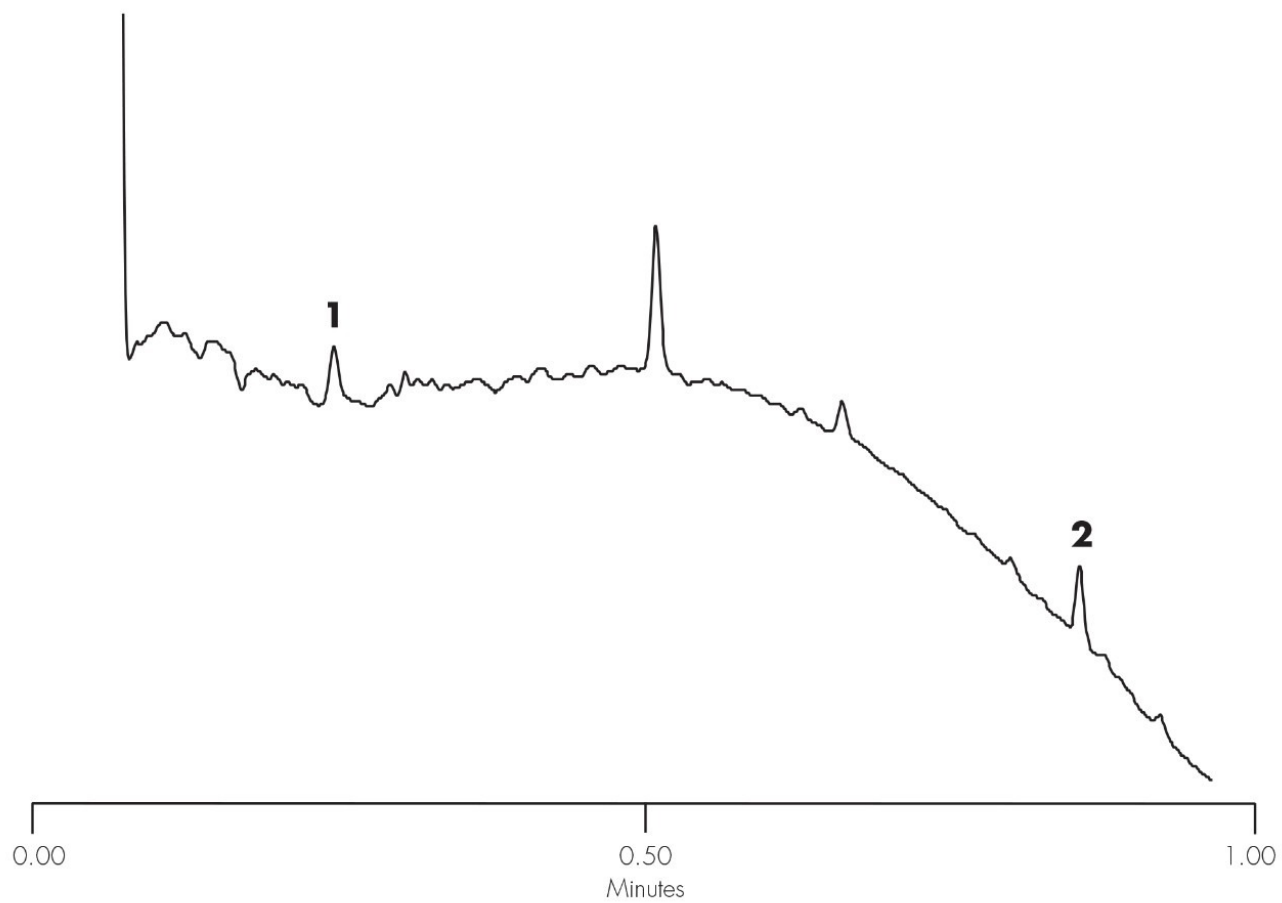
Time (min)	Profile	
	%A	%B
0.0	80	20
20.0	20	80

Oasis® MAX Extraction Method
Conditions for Oasis® MAX Cartridge, 6 cc, 500 mg
Part Number 186000865



* methyl tbutyl ether
diethyl ether can be used as an alternative to MTBE
** TFA - trifluoroacetic acid

Results and Discussion



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