



## Clopyralid and Triclopyr in River Water - LC/UV

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Waters Corporation



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

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### Abstract

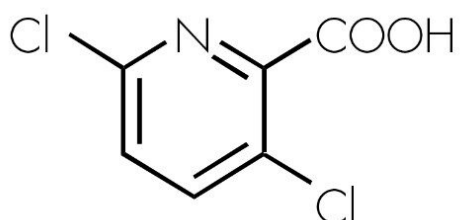
This application brief highlights the analysis of clopyralid and triclopyr in river water using XTerra RP<sub>18</sub> Columns.

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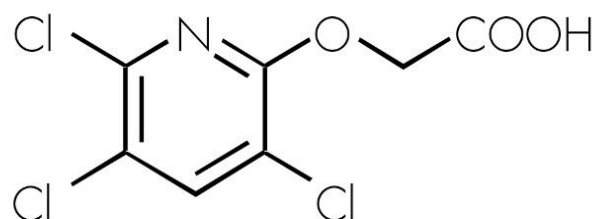
## Introduction

Compounds used in this study are:

1. Clopyralid
2. Triclopyr



Clopyralid



Triclopyr

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## Experimental

### HPLC Method

Column:

XTerra RP<sub>18</sub> 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  $\mu$ L

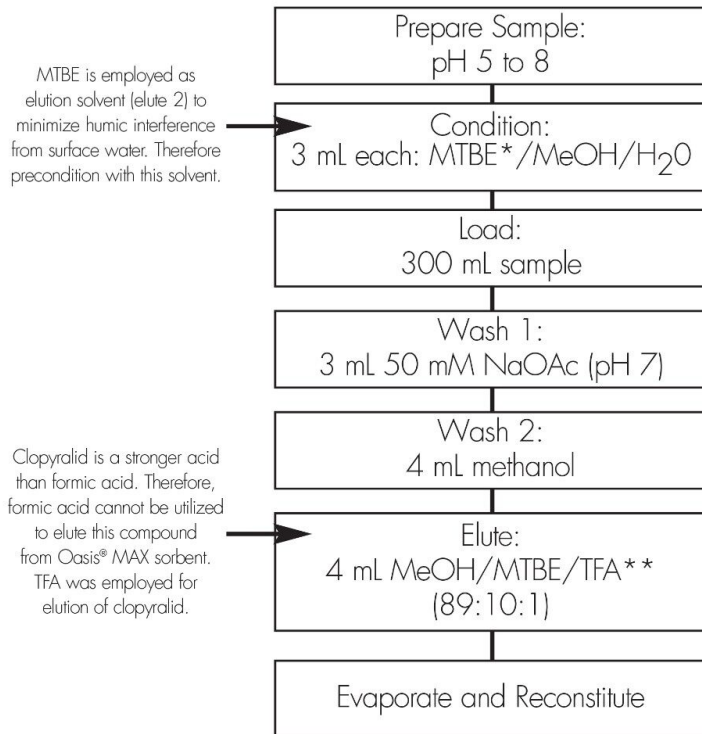
Detection: UV @ 290 nm

Instrument: Alliance 2695, 2996 PDA

### Gradient

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

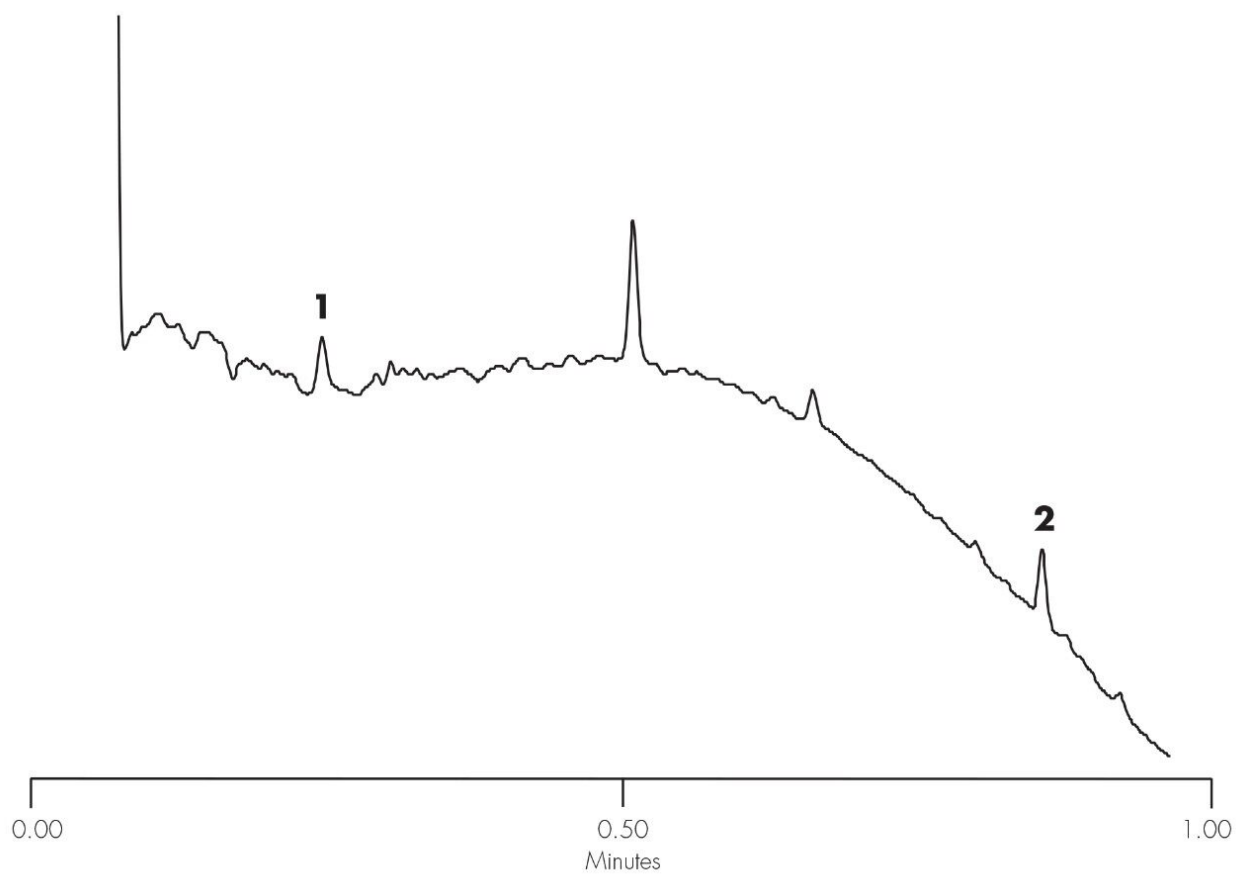
Oasis® MAX Extraction Method  
Conditions for Oasis® MAX Cartridge, 6 cc, 500 mg  
Part Number 186000865



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

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## Results and Discussion



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## Featured Products

Alliance HPLC <<https://www.waters.com/514248>>

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