Waters™

Applikationsbericht

Herbicides

Waters Corporation



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

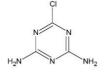
Abstract

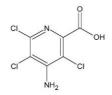
This application brief highlights the analysis of herbicides used in weed control.

Introduction

Compounds used in this study:

- 1. Atrazine-desethyl-desisopropyl
- 2. Picloram
- 3. Chlorsulfuron (unknown impurity)
- 4. Atrazine
- 5. 2,4-D

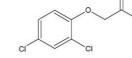


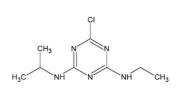


Atrazine-desethyl-desisopropyl









(2,4-Dichlorophenoxy)acetic Acid

Atrazine

Experimental

Conditions

Column:

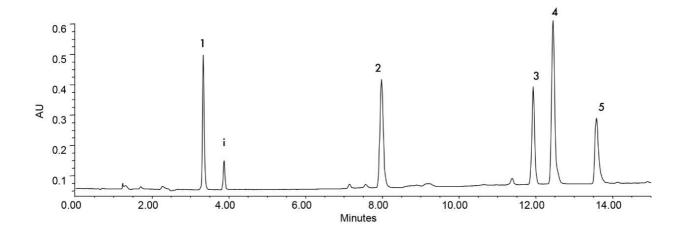
SunFire C₁₈ 4.6 x 150 mm, 5 µm (p/n: 186002559)

Mobile phase A:	Water	
Mobile phase B:	Acetonitrile	
Mobile phase C:	100 mM CH ₃ COO-NH ₄ + pH 4.5	
Flow rate:	1 mL/min	
Injection volume:	10 µL	
Sample concentration:	4 μg/mL in water Chlorsulfuron 8 μg/mL (2,4- Dichlorophenoxy)acetic Acid 40 μg/Ml	
Sample concentration: Temperature:		
	Dichlorophenoxy)acetic Acid 40 µg/Ml	

Gradient

Time		Profile		
(min)	%A	%B	%C	
0.0	85	5	10	
15.0	20	70	10	

Results and Discussion



Featured Products

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

WA41891, May 2005

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