

## Polar and Non-Polar Compounds Test Mix

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Waters Corporation



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

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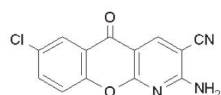
### Abstract

This application brief highlights the analysis of polar and non-polar compounds test mix using XTerra C<sub>18</sub> columns.

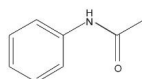
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## Introduction

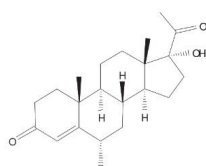
Polar and non-polar compounds are analyzed in this application brief.



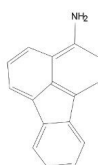
2-Amino-7-chloro-5-oxo-5H-[1]bensopyrano  
[2,3-b]pyridine-3-carbonitrile



Acetanilide



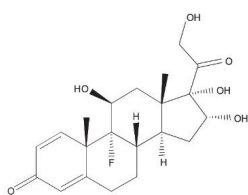
6-Methyl-17-  
hydroxyprogesterone



3-Aminofluoranthene



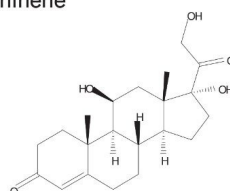
Perylene



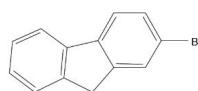
Triamcinolone



Naptho(2,3-a)pyrene



Hydrocortisone



2-Bromofluorene

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## Experimental

### Conditions

Column:	XTerra MS C <sub>18</sub> 4.6 x 20 mm, 3.5 μm (p/n: 186001891)
Mobile phase A:	0.1% HCOOH in H <sub>2</sub> O
Mobile phase B:	0.1% HCOOH in ACN

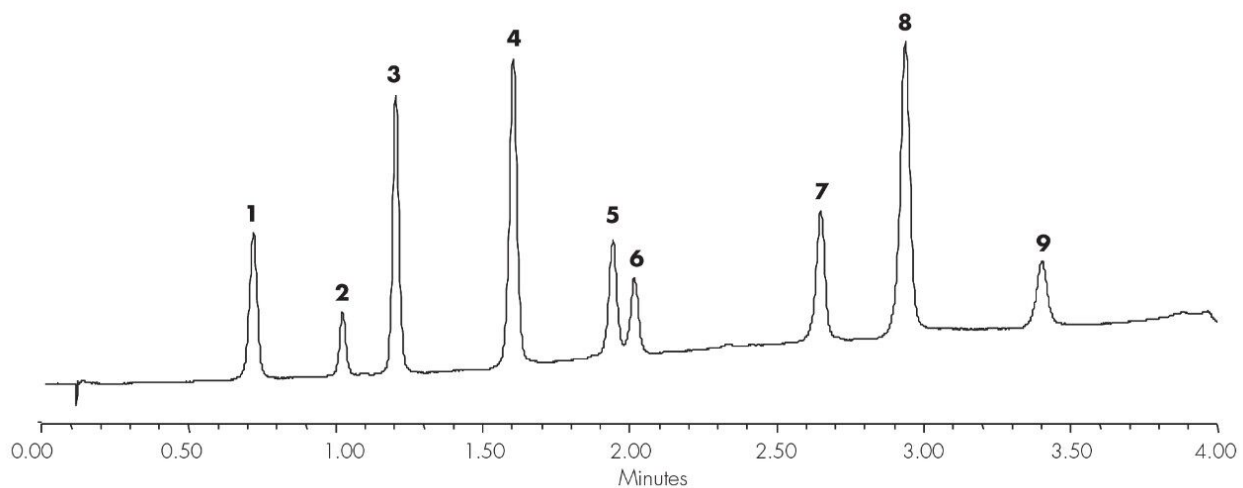
Flow rate: 3.0 mL/min  
Injection volume: 10 µL  
Sample Concentration: 10 µg/mL  
Temperature: 30°C  
Detection: UV @ 254 nm  
Instrument: Alliance HT 2795, 2996 PDA

### Gradient

Time (min)	Profile	
	%A	%B
0.0	100	0
4.0	0	100

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### Results and Discussion



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

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