

## Application Note

# Estrogens in River Water (Endocrine Disruptors)

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Waters Corporation



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

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## Abstract

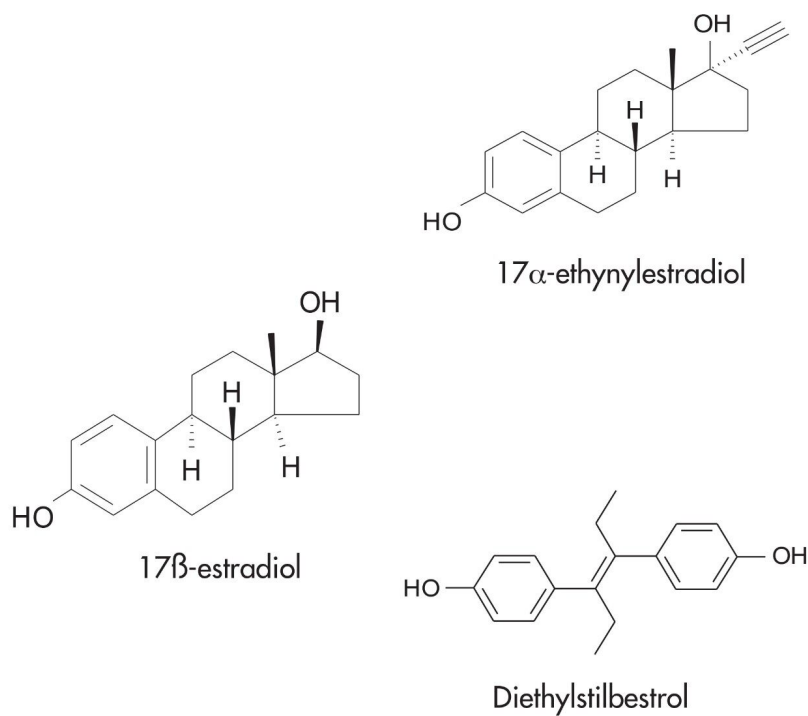
This application brief demonstrates analysis of estrogens in river water.

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## Introduction

The compounds used in this study are –

1.  $17\beta$ -estradiol
2.  $17\alpha$ -ethynylestradiol
3. Diethylstilbestrol



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## Experimental

### Conditions

Column: Xterra RP<sub>18</sub> 4.6 x 100 mm, 3.5 µm

Part number: 186000438

Mobile phase A: H<sub>2</sub>O

Mobile phase B: MeOH

Flow rate: 1.0 mL/min

Injection volume: 75 µL

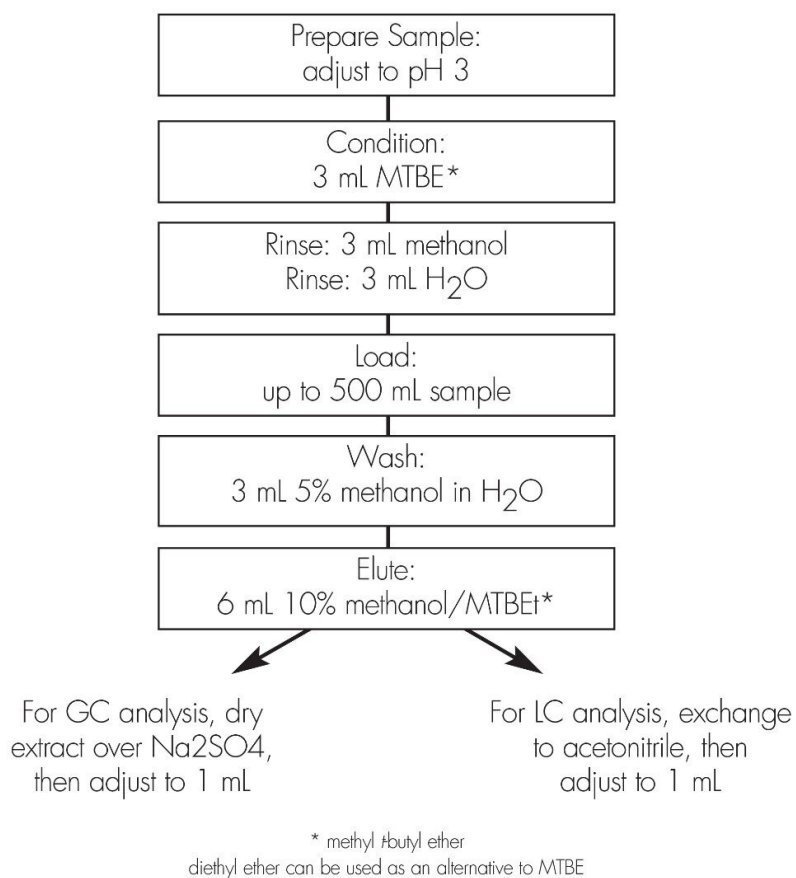
Detection: UV @ 283 nm

Instrument: Alliance 2695, 2996 PDA

#### Gradient

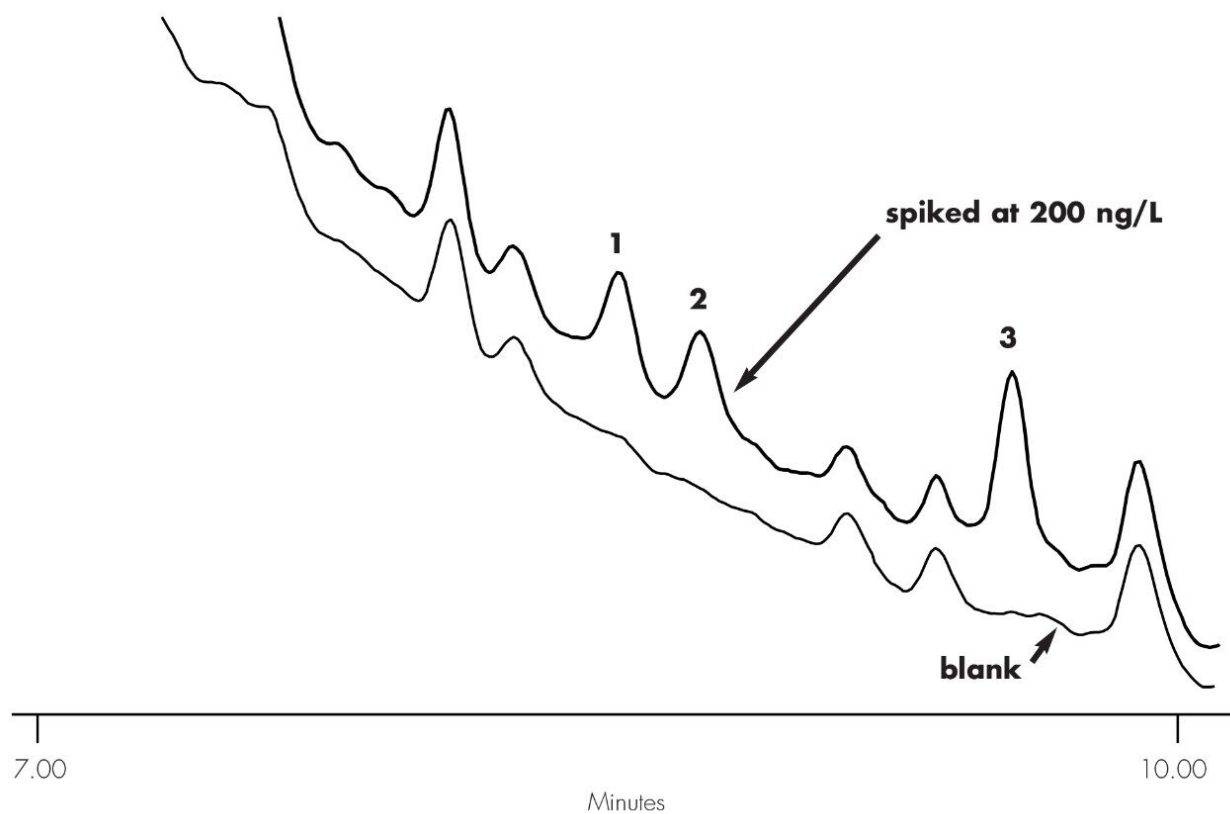
Time (min)	Profile	
	%A	%B
0.0	50	50
20.0	10	90

Oasis® SPE Method for Endocrine Disruptors  
Conditions for Oasis® HLB Cartridge, 6 cc, 200 mg  
Part Number WAT106202



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## Results and Discussion



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## Featured Products

Alliance HPLC System <<https://www.waters.com/534293>>

WA20738.049, June 2002