

Estrogens in River Water (Endocrine Disruptors)

Waters Corporation



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

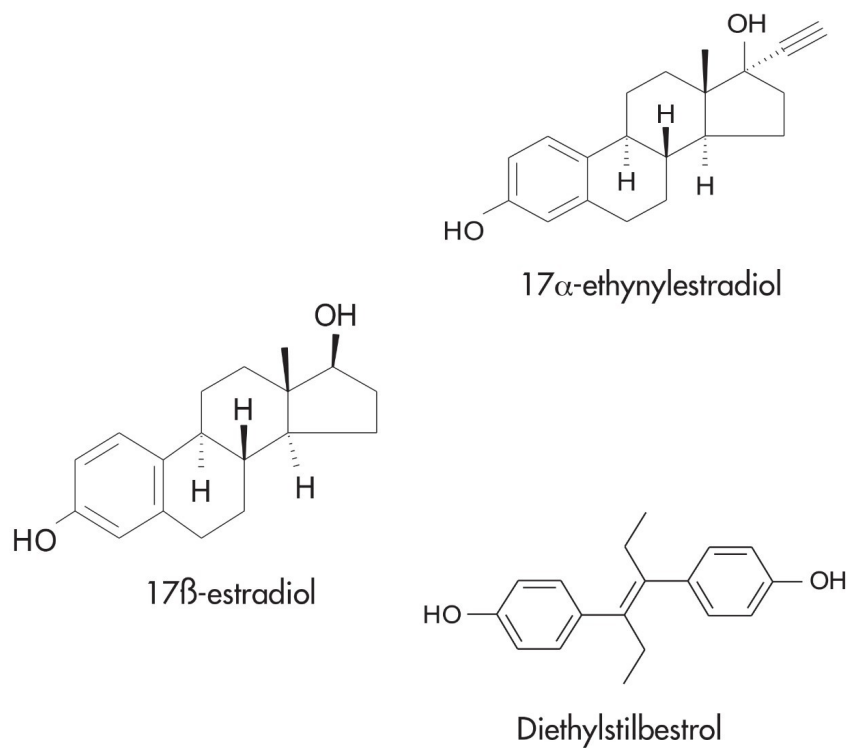
Abstract

This application brief demonstrates analysis of estrogens in river water.

Introduction

The compounds used in this study are –

1. 17β -estradiol
2. 17α -ethynylestradiol
3. Diethylstilbestrol



Experimental

Conditions

Column:

Xterra RP₁₈ 4.6 x 100 mm, 3.5 μ m

Part number: 186000438

Mobile phase A: H₂O

Mobile phase B: MeOH

Flow rate: 1.0 mL/min

Injection volume: 75 µL

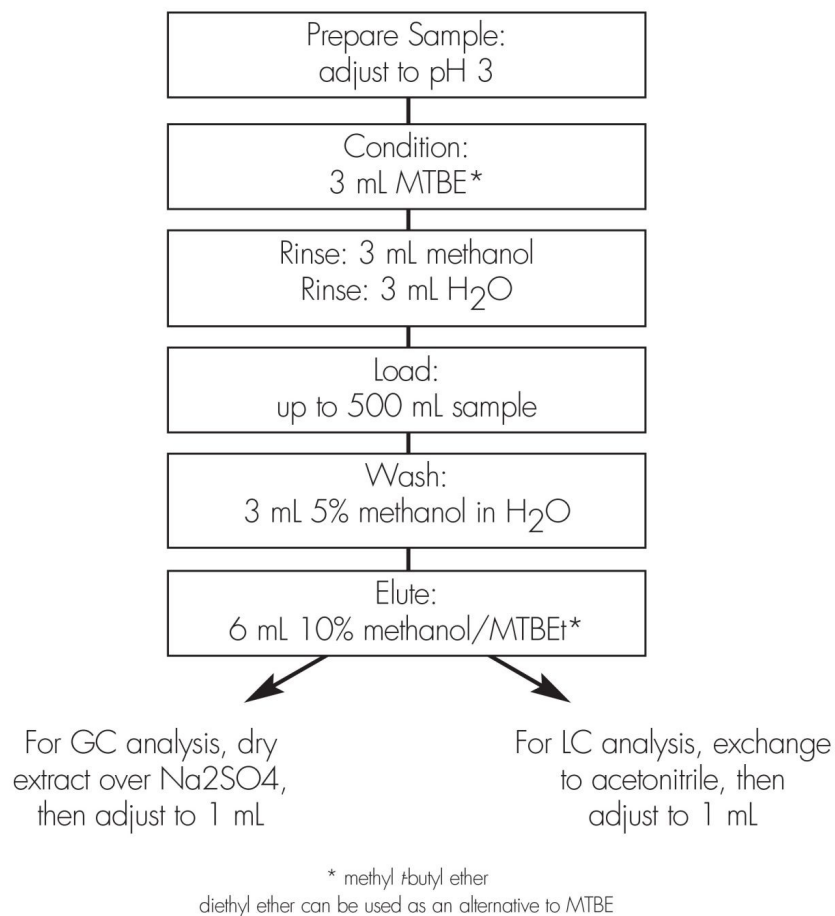
Detection: UV @ 283 nm

Instrument: Alliance 2695, 2996 PDA

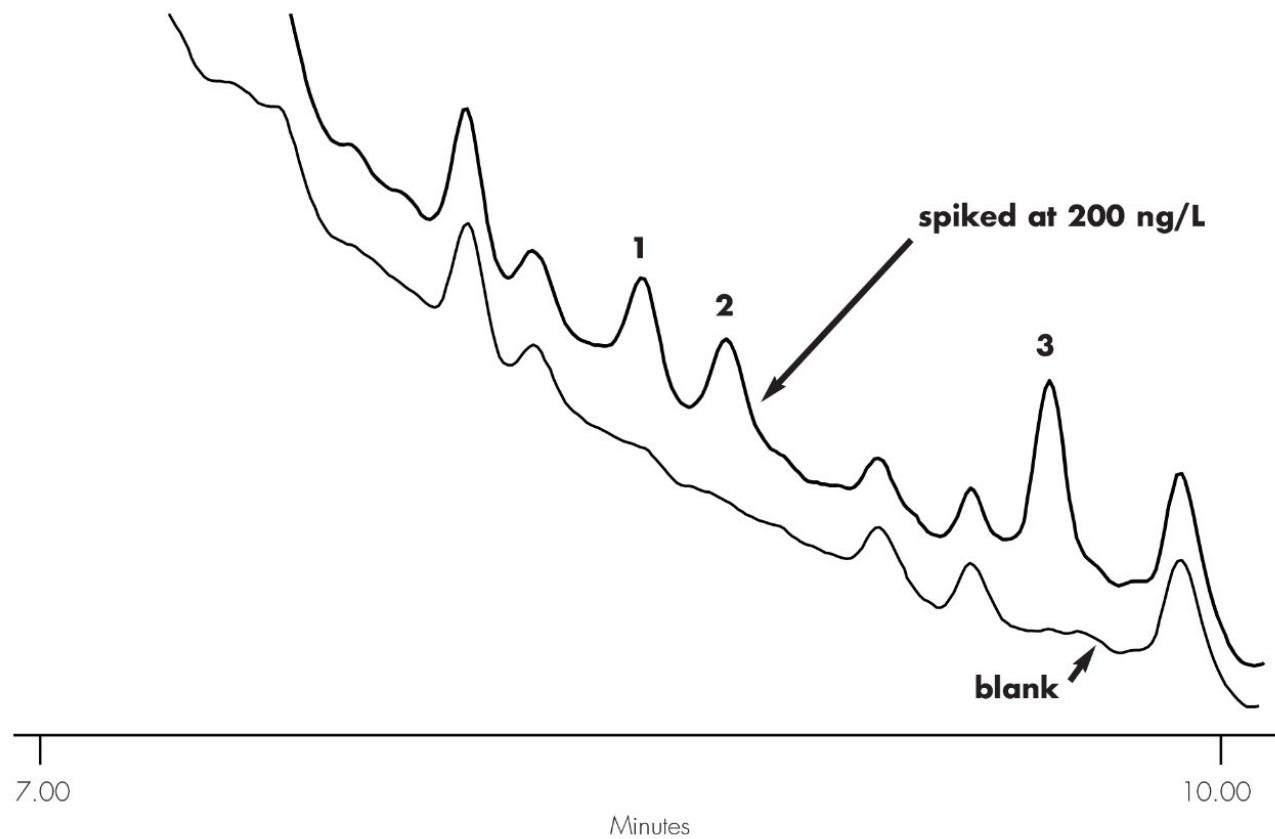
Gradient

| 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



Results and Discussion



Featured Products

- [Alliance HPLC System <https://www.waters.com/534293>](https://www.waters.com/534293)

WA20738.049, June 2002



© 2021 Waters Corporation. All Rights Reserved.