Waters Umm In

A Reprint from

Volume VI Issue 1, 1996

If you would like a subscription, or more information, please contact your nearest Waters Office.

Check the Waters website for up-to-date information: http://www.waters.com

Published by Waters Corporation

34 Maple Street

Milford, MA 01757 USA

Tel: 508-478-2000

Toll-free: 1-800-252-4752

Fax: 508-872-1990

Editor: Uwe D. Neue, Ph.D.

ISSN #1084-0540

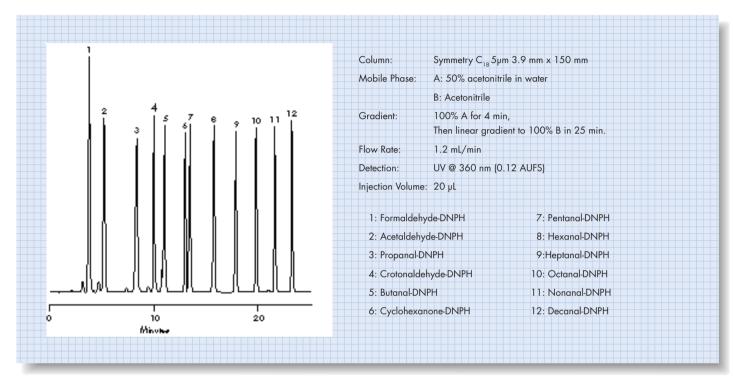
Carbonyl Compounds as DNPH Derivatives; EPA Method 554

Objective:

As more and more drinking water production facilities turn to ozonation as a disinfectant, there has been a concomitant need for reproducible and sensitive analytical methods for determination of oxonation related disinfection byproducts (DPBs) in finished waters. Among the most important of these DPBs are aldehydes and ketones. EPA method 554 is a recommended procedure for determination of aldehydes and ketones as dinitrophenylhydrazine derivatives by HPLC following solid phase extraction.

Details:

This chromatographic procedure has been developed to provide a superior separation of the 12 EPA method 554 analytes in under 30 minutes.





System:

A Waters[™] 600 S Controller, 616 pump, 712 WISP and 486 Detector were used for this analysis. System Control, data acquisition and reporting were accomplished using the Millennium 2010 Chromatography Manager.

Waters Corporation 34 Maple Street, Milford, Massachusetts 01757-3696 U.S.A. 508 478-2000

Millennium 2010 Chromatography Manager

Advanced computer technology simplifies accessing, interpreting, and reporting your results.

The productivity of today's chromatography is centered around the ability to find, generate, summarise, and report results in a way that meets your needs and complies with any regulatory requirements. The Millenium relational database lets you create your own view filters to customise the way you sort your information, such as "lotCode".

- Using the database, you can track a method history giving you audit trail capability that ensures total security of your raw data and results. In addition, you can specify "Access Type" which allows you to "lock" your methods for even greater security.
- The database keeps track of your instruments, triggering an alarm when scheduled maintenance is required. The Millenium relational database lets you view the injection information on any calibration point at any particular point in time on a processing sequence. This gives you a detailed account of the processing method for that injection, ensuring an accurate audit trail for regulatory compliance.
- The Millenium Chromatography Manager can provide acquisition and control for as many as four chromatographic systems, including three HP5890 GC.
- The Millenium Report Publisher has the capability to give you exactly what you want.

The Waters 486 Tunable UV/VIS Absorbance Detector

The performance you expect with the flexibility you need.

The Waters 486 Tunable UV/VIS Absorbance Detector is the highest performing UV/VIS detector with the flexibility to accommodate virtually all your HPLC applications. Our exclusive Taper-Cell® flow cell design eliminates refractive index effects, providing exceptional baseline stability.

- The 486 detector is tunable from 190 to 600 nm wavelength range with reproducibility and precision.
- The unique modular cell assemblies for microbore, analytical, preparative, high-pressure mass spectrometry, and nonmetallic flow paths give your application flexibility.

For more information

For more information on these products check boxes 14-18 on the Business Reply Card.