

**CoreFocus**

**Report**

**No.259**

LC

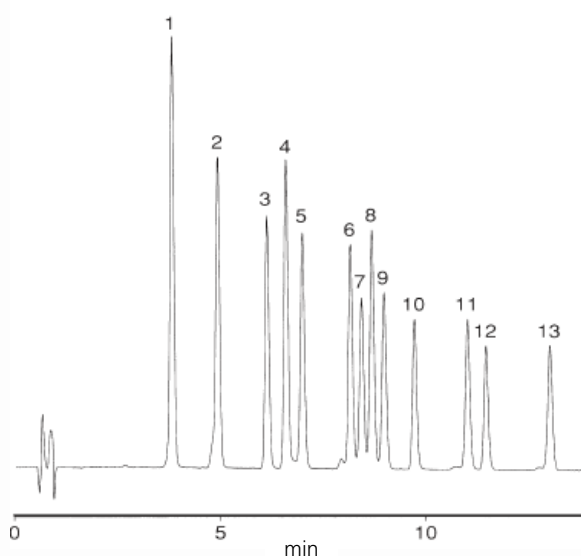
Reversed-phase

Shim-pack Series

**Shim-pack™ FC-ODS**

## High-Speed Analysis of 2,4-DNPH Derivatized Aldehydes / Ketones

**Keywords: precolumn derivatization**



1. Formaldehyde
2. Acetaldehyde
3. Acetone
4. Acrolein
5. Propionaldehyde
6. Crotonaldehyde
7. 2-Butanone
8. Methacrolein
9. *n*-Butylaldehyde
10. Benzaldehyde
11. Valeraldehyde
12. *m*-Tolualdehyde
13. Hexaldehyde

Column	: Shim-pack FC-ODS (75 mm x 4.6 mm I.D., 3 μm), P/N : 228-40511-92
Mobile phase	: A) Water/Tetrahydrofuran = 8/2 (v/v) B) Acetonitrile
Time program	: B conc. 20 % (0 min) → 60 % (14 min) → 20 % (14.01-6 min)
Flow rate	: 1.2 mL/min
Column temp.	: 40 °C
Detection	: UV 365 nm

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