Nitroaromatics
Analysis of nitrosoamines to EPA 609

Application Note

Environmental

Authors
Agilent Technologies, Inc.

Introduction
Gas chromatography with an Agilent CP-Sil 8 CB column separates four nitroaromatics according to EPA 609 in 15 minutes.
Conditions

Technique: GC-capillary
Column: Agilent CP-Sil 8 CB, 0.32 mm x 50 m fused silica
       WCOT CP-Sil 8 CB (df = 1.2 μm)
       (Part no. CP7771)
Temperature: 165 °C → 250 °C, 10 °C/min
Carrier Gas: He, 90 kPa (0.9 bar, 13 psi)
Injector: Split, 100 mL/min
          T = 265 °C
Detector: FID
          T = 300 °C

Peak identification
1. nitrobenzene
2. isophorone
3. 2,6-dinitrotoluene
4. 2,4-dinitrotoluene

www.agilent.com/chem
This information is subject to change without notice.
© Agilent Technologies, Inc. 2011
Printed in the USA
31 October, 2011
First published prior to 11 May, 2010
A00786

Agilent Technologies