

Chemical Information:

Name: Benzene, 1,4-diethyl-

Date of Analysis: 19 June 2009

CAS No.: 105-05-5

Supplier: Sigma-Aldrich

Tox21 ID No.: Tox21 200146

Lot No.: 06906DS

NTP CID No.: 2619

MW: 134.22 g/mol

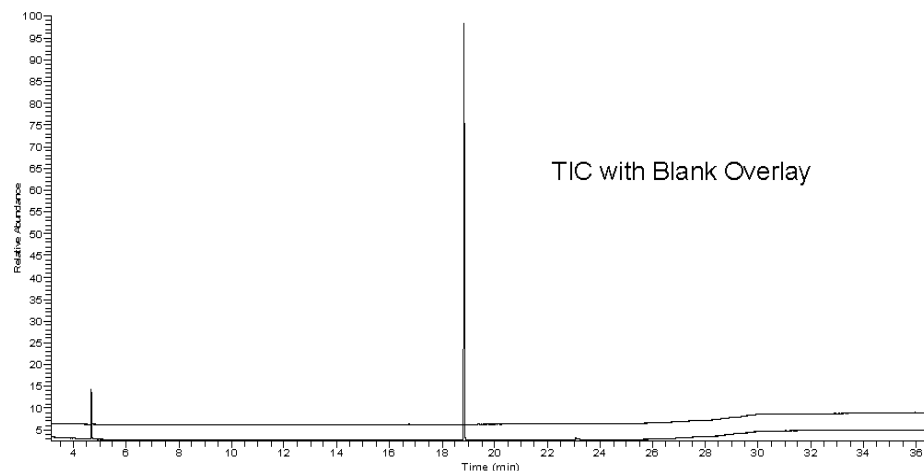
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Benzene, 1,4-diethyl-	8.91	98.94
unknown	13.83	1.06

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ether (~ 1 mg/mL)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-µm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008



00F10T20 #1854 RT: 18.80 AU: 1 SB: 38 18.68-18.76, 19.03-19.16 NL: 6.80SE
T: (0.0) + e El det=250.00 Full ms [25.00-500.00]

