

Chemical Information:

Name: Benzene, 1,3-bis(1-methylethyl)-
CAS No.: 99-62-7
Tox21_ID No.: Tox21_201318
NTP_CID No.: 2599

Date of Analysis: 07 October 2009

Supplier: Sigma-Aldrich
Lot No.: 04714TE
MW: 162.27 g/mol

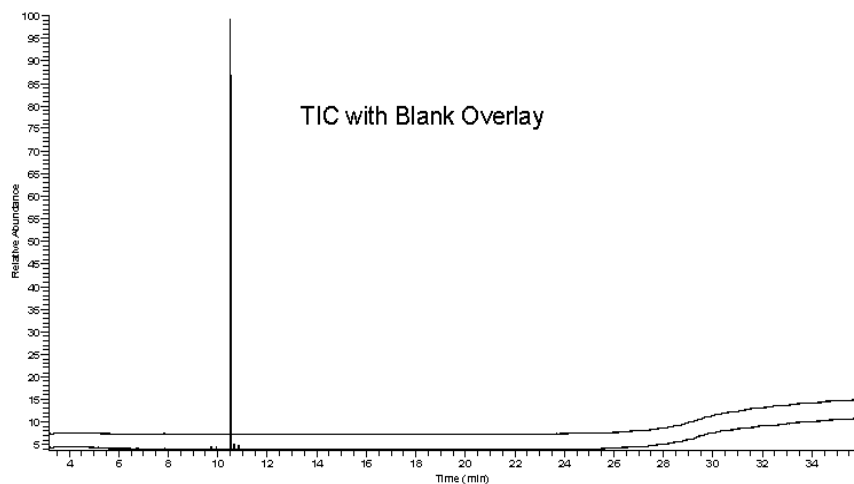
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	9.74	0.67
Benzene, 1,3-bis(1-methylethyl)-	10.52	97.60
unknown	10.65	0.95
unknown	10.83	0.79

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol (~ 1 mg/mL)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m 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 μ L / Split (100:1)
Data Analysis Software	Xcalibur, ver 1.2 and NIST Library ver 2.0f, build 10/08/2008



00.07107 #095 RT: 10.48 A4:1 S9:5 10.45-10.47, 10.52-10.53 NL: 1.2585
T: 10.01 v: 0.066-0.030 full ms [25.00-50.00]

