

Chemical Information:

Name: Pentachloronitrobenzene
CAS No.: 82-68-8 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201947 Lot No.: 16307BB
NTP_CID No.: 1168 MW: 295.33 g/mol

Date of Analysis: 12 January 2009

Purity and Identity Results:

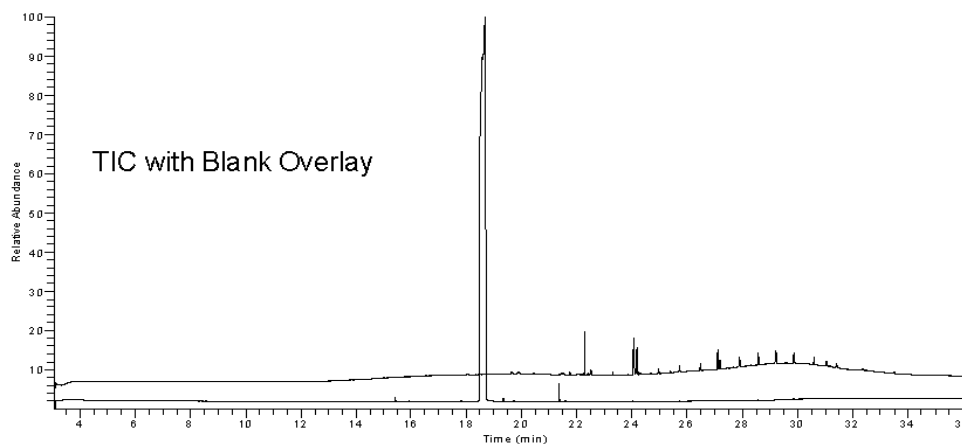
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Pentachloronitrobenzene	18.69	98.45
unknown	21.37	0.77

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
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 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μL / Split (10:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008

RT: 3.05 - 36.50 SM: 3.6



09x1207 #1856 RT: 18.47 MW: 1 SB: 2.21.83, 21.96 NL: 2.15E6
T: (0.0) + c Elute=350.00 Full ms [25.00-350.00]

