

Chemical Information:

Name: 2-Methylnaphthalene
CAS No.: 91-57-6
Tox21_ID No.: Tox21_200839
NTP_CID No.: 270

Supplier: Sigma-Aldrich
Lot No.: 15416DA
MW: 142.20 g/mol

Date of Analysis: 5 Apr 2007

Purity and Identity Results:

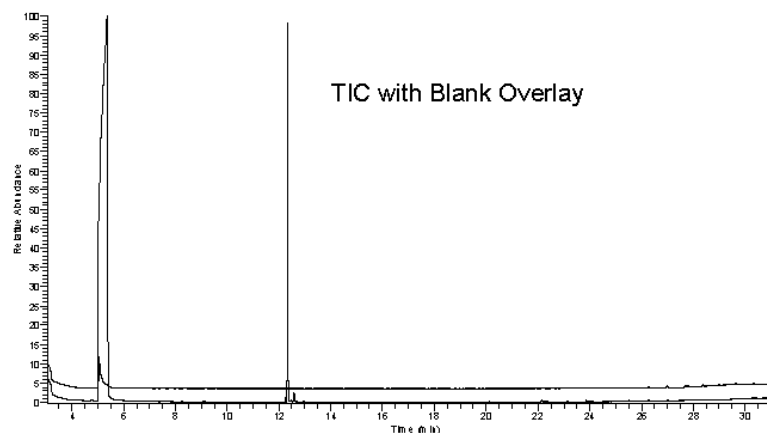
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.36	Not applicable
unknown	12.25	0.74
2-Methylnaphthalene	12.34	96.31
unknown	12.47	0.51
unknown	12.59	2.20

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

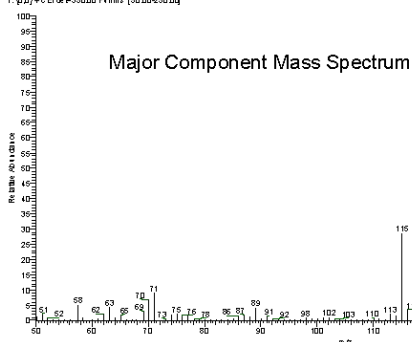
GC/MS Instrument Parameters:

Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μ L / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05-31.50 SM: 3G



01:00:50.3 #1119 RT: 12.33 AU: 1.58: 2.12.29, 12.40 NL: 3.0765
T: 0.01 + 0.01 + 0.01 + 0.01 + 0.01 + 0.01 + 0.01 + 0.01 + 0.01 + 0.01



NIST Reference Mass Spectrum

