

Chemical Information:

Name: 2,6-Dimethyl-2,4,6-octatriene Date of Analysis: 21 December 2009
CAS No.: 673-84-7 Supplier: City Chemical Products
Tox21_ID No.: Tox21_202278 Lot No.: 90G92
NTP_CID No.: 2882 MW: 136.23 g/mol

Purity and Identity Results:

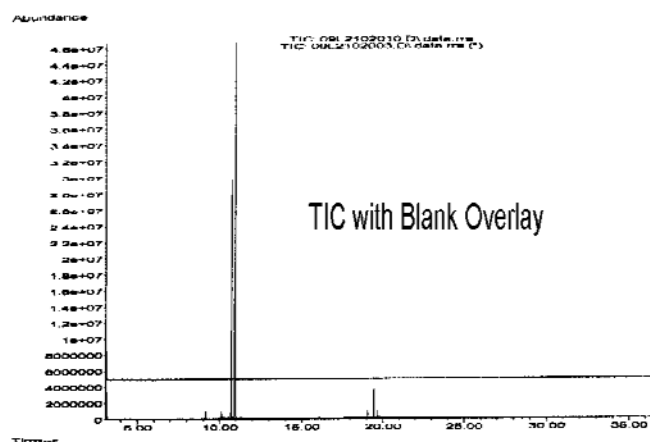
Peak Identity ^a	Retention Time (min)	Purity (% Total Area) ^b	Peak Identity ^a	Retention Time (min)	Purity (% Total Area) ^b
unknown	9.13	1.14	CAS 673-84-7	10.96	57.89
unknown	10.12	2.03	unknown	19.06	1.06
unknown	10.54	0.52	unknown	19.45	3.26
CAS 673-84-7	10.75	30.77	unknown	19.67	1.00

^a Two components were identified as isomers of 2,6-dimethyl-2,4,6-octatriene; total = 88.66%.

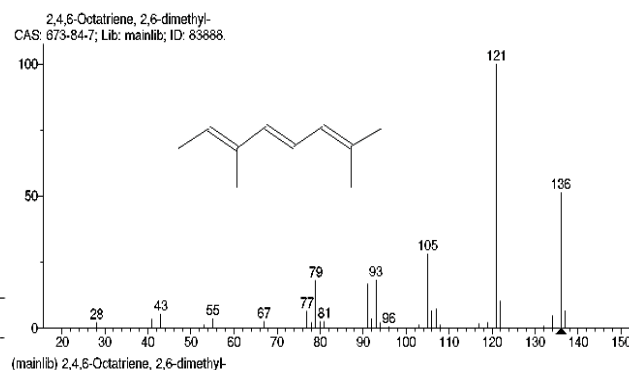
^b Peaks comprising $\geq 0.5\%$ of total area.

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- 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	230°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	MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008



Unknown: Scan 1404 (10.746 min): 09L2102010.D\data.ms



Unknown: Scan 1442 (10.953 min): 09L2102010.D\data.ms

