

**Chemical Information:**

Name: alpha-Methylbenzyl alcohol  
CAS No.: 98-85-1 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_200505 Lot No.: 02102DH  
NTP\_CID No.: 4461 MW: 122.16 g/mol

Date of Analysis: 7 October 2009

**Purity and Identity Results:**

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
alpha-Methylbenzyl alcohol	9.68	97.58
unknown	9.79	2.42

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

**GC/MS Instrument Parameters:**

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
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	230°C
Auxiliary Temperature	150°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008

