

Chemical Information:

Name: 2,2',4,4',5,5'-Hexachlorobiphenyl (PCB 153) Date of Analysis: 30 August 2010
CAS No.: 35065-27-1 Supplier: Cerilliant Corp
Tox21_ID No.: Tox21_202470 Lot No.: ER061405-01
NTP_CID No.: 104 MW: 360.88 g/mol

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
2,2',4,4',5,5'-Hexachlorobiphenyl	23.72	100.00

^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	230°C
Auxiliary Temperature	250°C
Scan Range	15 – 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 10/08/2008

