

## **PCB Congeners in 2,2,4-Trimethylpentane**

Art. ID	NIST-2259
Unit	5 ampoules x 1,2 mL
Deliverydetails	ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1262 II E2

### Description

This Standard Reference Material (SRM®) is a solution of 80 polychlorinated biphenyl (PCB) congeners in 2,2,4-trimethylpentane. This SRM is intended primarily for use in the calibration of chromatographic instrumentation used for the determination of PCB congeners. A unit of NIST-2259 consists of five 2-mL ampoules, each containing approximately 1.2 mL of solution. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	2,4'-Dichlorobiphenyl (PCB 8)	[34883-43-7]	2,21 ± 0,18	µg/g		
	2,2',5-Trichlorobiphenyl (PCB 18)	[37680-65-2]	2,00 ± 0,14	µg/g		
	2,4,4'-Trichlorobiphenyl (PCB 28)	[7012-37-5]	1,99 ± 0,14	µg/g		
	2,4,5-Trichlorobiphenyl (PCB 29)	[15862-07-4]	0,363 ± 0,025	µg/g		
	2,4',5-Trichlorobiphenyl (PCB 31)	[16606-02-3]	4,20 ± 0,24	µg/g		
	2,2',3,5'-Tetrachlorobiphenyl (PCB 44)	[41464-39-5]	2,53 ± 0,11	µg/g		
	2,2',3,6-Tetrachlorobiphenyl (PCB 45)	[70362-45-7]	0,574 ± 0,025	µg/g		
	2,2',4,5'-Tetrachlorobiphenyl (PCB 49)	[41464-40-8]	3,41 ± 0,14	µg/g		
	2,2',5,5'-Tetrachlorobiphenyl (PCB 52)	[35693-99-3]	5,05 ± 0,47	µg/g		
	2,3,3',4'-Tetrachlorobiphenyl (PCB 56)	[41464-43-1]	4,18 ± 0,28	µg/g		
	2,3,4',5-Tetrachlorobiphenyl (PCB 63)	[74472-34-7]	1,039 ± 0,023	µg/g		
	2,3',4,4'-Tetrachlorobiphenyl (PCB 66)	[32598-10-0]	6,34 ± 0,24	µg/g		
	2,3',4',5-Tetrachlorobiphenyl (PCB 70)	[32598-11-1]	2,18 ± 0,11	µg/g		
	2,4,4',5-Tetrachlorobiphenyl (PCB 74)	[32690-93-0]	4,00 ± 0,20	µg/g		

henyl (PCB 74)				
3,3',4,4'-Tetrachlorobi	[32598-13-3]	0,351 ± 0,015		µg/g
phenyl (PCB 77)				
3,3',4,5'-Tetrachlorobi	[41464-48-6]	0,610 ± 0,034		µg/g
phenyl (PCB 79)				
2,2',3,3',4-Pentachloro	[52663-62-4]	0,845 ± 0,018		µg/g
biphenyl (PCB 82)				
2,2',3,4,5'-Pentachloro	[38380-02-8]	3,65 ± 0,17		µg/g
biphenyl (PCB 87)				
2,2',3,5,5'-Pentachloro	[52663-61-3]	2,22 ± 0,12		µg/g
biphenyl (PCB 92)				
2,2',3,5',6-Pentachloro	[38379-99-6]	5,84 ± 0,42		µg/g
biphenyl (PCB 95)				
2,2',4,4',5-Pentachloro	[38380-01-7]	12,61 ± 0,66		
biphenyl (PCB 99)				
2,2',4,5,5'-Pentachloro	[37680-73-2]	7,45 ± 0,56		µg/g
biphenyl (PCB 101)				
2,3,3',4,4'-Pentachloro	[32598-14-4]	5,90 ± 0,26		µg/g
biphenyl (PCB 105)				
2,3,3',4,5-Pentachlorob	[70424-69-0]	0,314 ± 0,044		µg/g
iphenyl (PCB 106)				
2,3,3',4',5-Pentachloro	[70424-68-9]	1,814 ± 0,068		µg/g
biphenyl (PCB 109) (BZ# 107)				
2,3,3',4',6-Pentachloro	[38380-03-9]	8,45 ± 0,58		µg/g
biphenyl (PCB 110)				
2,3,3',5,6-Pentachlorob	[74472-36-9]	0,527 ± 0,026		µg/g
iphenyl (PCB 112)				
2,3,4,4',5-Pentachlorob	[74472-37-0]	0,667 ± 0,043		µg/g
iphenyl (PCB 114)				
2,3',4,4',5-Pentachloro	[31508-00-6]	20,79 ± 0,60		µg/g
biphenyl (PCB 118)				
2,3',4,4',6-Pentachloro	[56558-17-9]	0,402 ± 0,045		µg/g
biphenyl (PCB 119)				
2,3',4,5',6-Pentachloro	[56558-18-0]	0,355 ± 0,008		µg/g
biphenyl (PCB 121)				
3,3',4,4',5-Pentachloro	[57465-28-8]	0,317 ± 0,011		µg/g
biphenyl (PCB 126)				

3,3',4,5,5'-Pentachloro biphenyl (PCB 127)	[39635-33-1]	0,811 ± 0,050	µg/g
2,2',3,3',4,4'-Hexachlo robiphenyl (PCB 128)	[38380-07-3]	5,39 ± 0,14	µg/g
2,2',3,3',4,5'-Hexachlo robiphenyl (PCB 130)	[52663-66-8]	1,181 ± 0,078	µg/g
2,2',3,3',4,6'-Hexachlo robiphenyl (PCB 132)	[38380-05-1]	2,91 ± 0,22	µg/g
2,2',3,4,4',5'-Hexachlor obiphenyl (PCB 137)	[35694-06-5]	0,964 ± 0,048	µg/g
2,2',3,4,4',5'-Hexachlo robiphenyl (PCB 138)	[35065-28-2]	31,2 ± 1,8	µg/g
2,2',3,4',5,5'-Hexachlo robiphenyl (PCB 146)	[51908-16-8]	7,04 ± 0,15	µg/g
2,2',3,4',5',6'-Hexachlo robiphenyl (PCB 149)	[38380-04-0]	9,30 ± 0,91	µg/g
2,2',3,5,5',6'-Hexachlor obiphenyl (PCB 151)	[52663-63-5]	4,30 ± 0,22	µg/g
2,2',4,4',5,5'-Hexachlo robiphenyl (PCB 153)	[35065-27-1]	53,3 ± 3,0	µg/g
2,2',4,4',5,6'-Hexachlo robiphenyl (PCB 154)	[60145-22-4]	2,43 ± 0,20	µg/g
2,3,3',4,4',5'-Hexachlor obiphenyl (PCB 156)	[38380-08-4]	1,740 ± 0,045	µg/g
2,3,3',4,4',5'-Hexachlo robiphenyl (PCB 157)	[69782-90-7]	1,263 ± 0,135	µg/g
2,3,3',4,4',6'-Hexachlor obiphenyl (PCB 158)	[74472-42-7]	1,459 ± 0,052	µg/g
2,3,3',4,5,5'-Hexachlor obiphenyl (PCB 159)	[39635-35-3]	0,370 ± 0,016	µg/g
2,3,3',4',5,6'-Hexachlor obiphenyl (PCB 163)	[74472-44-9]	7,43 ± 0,65	µg/g
2,3,3',5,5',6'-Hexachlor obiphenyl (PCB 165)	[74472-46-1]	0,487 ± 0,013	µg/g
2,3,4,4',5,6'-Hexachloro biphenyl (PCB 166)	[41411-63-6]	0,746 ± 0,030	µg/g
2,3',4,4',5,5'-Hexachlo robiphenyl (PCB 167)	[52663-72-6]	1,874 ± 0,047	µg/g

3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169)	[32774-16-6]	0,285 ± 0,016	µg/g
2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170)	[35065-30-6]	6,73 ± 0,30	µg/g
2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172)	[52663-74-8]	1,513 ± 0,036	µg/g
2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174)	[38411-25-5]	2,52 ± 0,11	µg/g
2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175)	[40186-70-7]	0,998 ± 0,038	µg/g
2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176)	[52663-65-7]	0,738 ± 0,038	µg/g
2,2',3,3',4',5,6-Heptachlorobiphenyl (PCB 177)	[52663-70-4]	3,09 ± 0,14	µg/g
2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178)	[52663-67-9]	2,412 ± 0,086	µg/g
2,2',3,4,4',5,5'-Heptachlorobiphenyl (PCB 180)	[35065-29-3]	20,3 ± 1,2	µg/g
2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183)	[52663-69-1]	3,26 ± 0,11	µg/g
2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185)	[52712-05-7]	0,369 ± 0,010	µg/g
2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187)	[52663-68-0]	16,39 ± 0,74	µg/g
2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188)	[74487-85-7]	0,399 ± 0,032	µg/g
2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189)	[39635-31-9]	0,498 ± 0,021	µg/g
2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191)	[74472-50-7]	0,410 ± 0,009	µg/g
2,3,3',4',5,5',6-Heptachlorobiphenyl (PCB 193)	[69782-91-8]	1,00 ± 0,11	µg/g
2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194)	[35694-08-7]	3,22 ± 0,28	µg/g
2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195)	[52663-78-2]	1,111 ± 0,084	µg/g

2,2',3,3',4,4',5',6'-Oct achlorobiphenyl (PCB 19 6)	[42740-50-1]	6,28 ± 0,14	
2,2',3,3',4,4',6,6'-Oct achlorobiphenyl (PCB 19 7)	[33091-17-7]	0,475 ± 0,026	µg/g
2,2',3,3',4,5,5',6'-Oct achlorobiphenyl (PCB 19 9) (BZ# 201)	[52663-75-9]	2,857 ± 0,082	µg/g
2,2',3,3',4,5,6,6'-Octa chlorobiphenyl (PCB 200 ) (BZ# 199)	[52663-73-7]	10,37 ± 0,23	µg/g
2,2',3,3',4,5',6,6'-Oct achlorobiphenyl (PCB 20 1) (BZ# 200)	[40186-71-8]	0,385 ± 0,023	µg/g
2,2',3,3',5,5',6,6'-Oct achlorobiphenyl (PCB 20 2)	[2136-99-4]	2,667 ± 0,085	µg/g
2,3,3',4,4',5,5',6'-Octa chlorobiphenyl (PCB 205 )	[74472-53-0]	0,429 ± 0,013	µg/g
2,2',3,3',4,4',5,5',6'-N onachlorobiphenyl (PCB 206)	[40186-72-9]	3,01 ± 0,22	µg/g
2,2',3,3',4,4',5,6,6'-N onachlorobiphenyl (PCB 207)	[52663-79-3]	1,030 ± 0,021	µg/g
2,2',3,3',4,5,5',6,6'-N onachlorobiphenyl (PCB 208)	[52663-77-1]	1,96 ± 0,11	µg/g
2,2',3,3',4,4',5,5',6,6 '-Decachlorobiphenyl (P CB 209)	[2051-24-3]	2,89 ± 0,25	µg/g