



# LABORATORY

## HRMS POLYCHLORINATED BIPHENYLS

PCBs are synthetic and produced either as a singular congener, as a homogeneous group or as a mixture. Polychlorinated biphenyls (PCBs) are a family of 209 congeners of structurally similar organic chemicals, ranging from oily liquids to waxy solids. Some PCB congeners are dioxin-like and can similarly be toxic and non-toxic.

Reporting Limits – EPA Method 1668B and 1668C: 10ppq for aqueous, 1ppt for solids, and 20pg/congener for air.

Additional congeners up to and including all 209, as well as total homologs can be reported. Please contact laboratory concerning availability and their typical reporting limits.

Visit the US EPA website for more information on PCBs (<http://www.epa.gov/osw/hazard/tsd/pcbs/pubs/congeners.htm>)

PCB CONGENER (IUPAC#)	CAS NUMBER	STRUCTURE	WHO LIST (12)	FULL NAME
77-TeCB	32598-13-3	3,3',4,4'	X	3,3',4,4'-Tetrachlorobiphenyl
81-TeCB	70362-50-4	3,4,4',5	X	3,4,4',5-Tetrachlorobiphenyl
105-PeCB	32598-14-4	2,3,3',4,4'	X	2,3,3',4,4'-Pentachlorobiphenyl
114-PeCB	74472-37-0	2,3,4,4',5	X	2,3,4,4',5-Pentachlorobiphenyl
118-PeCB	31508-00-6	2,3',4,4',5	X	2,3',4,4',5-Pentachlorobiphenyl
123-PeCB	65510-44-3	2',3,4,4',5	X	2,3',4,4',5'-Pentachlorobiphenyl
126-PeCB	57465-28-8	3,3',4,4',5	X	3,3',4,4',5-Pentachlorobiphenyl
156-HxCB	38380-08-4	2,3,3',4,4',5	X	2,3,3',4,4',5-Hexachlorobiphenyl
157-HxCB	69782-90-7	2,3,3',4,4',5'	X	2,3,3',4,4',5'-Hexachlorobiphenyl
167-HxCB	52663-72-6	2,3',4,4',5,5'	X	2,3',4,4',5,5'-Hexachlorobiphenyl
169-HxCB	32774-16-6	3,3',4,4',5,5'	X	3,3',4,4',5,5'-Hexachlorobiphenyl
189-HpCB	39635-31-9	2,3,3',4,4',5,5'	X	2,3,3',4,4',5,5'-Heptachlorobiphenyl

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**CONTACT OUR HRMS  
EXPERTS FOR MORE  
INFORMATION.**

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