

C53 PCB CONGENERS IN SOIL

1.0 Sample Reception

- 1.1 All breakages and shortages must be reported within 24 hours of sample receipt.
- 1.2 Store samples at $4\pm 2^{\circ}\text{C}$ upon receipt.
- 1.3 Check that all the parameters for which you are registered are correctly identified in the PTC portal.
- 1.4 Inquiries regarding samples and their shipment may be directed to:

PT Non-conformances
Phenova
Tel: (303) 940-0033
Email: AndreaLg@phenova.com

cc: PT Canada Program Officer
email: programofficer@PTcanada.org
cc: Nadine Lewis, PTC Executive Director
email: nlewis@PTcanada.org

Inquiries should be made by email. When reporting damage upon receipt, please provide a picture of the damaged samples. Please include your PT Canada laboratory number on all correspondence.

2.0 Sample Analysis

- 2.1 Refer to the PTC Catalogue for approximate sample concentrations.
- 2.2 Each sample contains random selection percentage of analytes with at least 50% of the PCB Congeners covered per PT Study across the 4 samples. All PCB Congeners will be covered over the 2 PT Studies yearly. Please see the list of PCB Congeners below.
- 2.3 Assume zero percent moisture for the soil for calculations.
- 2.4 Proceed with testing using the routine analytical method identified in your PT Canada application.

3.0 Reporting Results

- 3.1 Results must be reported by midnight of the study deadline in the PTC portal.
- 3.2 Report RDL (optional) if you want RDL accounted for in z scores.

4.0 Safety

- 4.1 The PT samples are designed for use by laboratory professionals familiar with environmental samples and potentially hazardous materials.

Table of PCB Species by Congener Number

Descriptor*	CASRN	Congener Number	IUPAC Name	Type
	1336-36-3		Polychlorinated biphenyl (PCB)	Category
CP1_---_---_	2051-60-7	1	2-Chlorobiphenyl	Congener
CP0_---_---_	2051-61-8	2	3-Chlorobiphenyl	Congener
CP0_---_---_	2051-62-9	3	4-Chlorobiphenyl	Congener
---_---_---_	13029-08-8	4	2,2'-Dichlorobiphenyl	Congener
CP1_---_---_	16605-91-7	5	2,3-Dichlorobiphenyl	Congener
CP1_---_---_	25569-80-6	6	2,3'-Dichlorobiphenyl	Congener
CP1_---_---_	33284-50-3	7	2,4-Dichlorobiphenyl	Congener
CP1_---_---_	34883-43-7	8	2,4'-Dichlorobiphenyl	Congener
CP1_---_---_	34883-39-1	9	2,5-Dichlorobiphenyl	Congener
---_---_---_	33146-45-1	10	2,6-Dichlorobiphenyl	Congener
CP0_---_---_2M	2050-67-1	11	3,3'-Dichlorobiphenyl	Congener
CP0_---_---_	2974-92-7	12	3,4-Dichlorobiphenyl	Congener
CP0_---_---_	2974-90-5	13	3,4'-Dichlorobiphenyl	Congener
CP0_---_---_2M	34883-41-5	14	3,5-Dichlorobiphenyl	Congener
CP0_---_PP_-	2050-68-2	15	4,4'-Dichlorobiphenyl	Congener
---_---_---_	38444-78-9	16	2,2',3-Trichlorobiphenyl	Congener
---_---_---_	37680-66-3	17	2,2',4-Trichlorobiphenyl	Congener
---_---_---_	37680-65-2	18	2,2',5-Trichlorobiphenyl	Congener
---_---_---_	38444-73-4	19	2,2',6-Trichlorobiphenyl	Congener
CP1_---_---_2M	38444-84-7	20	2,3,3'-Trichlorobiphenyl	Congener
CP1_---_---_	55702-46-0	21	2,3,4-Trichlorobiphenyl	Congener
CP1_---_---_	38444-85-8	22	2,3,4'-Trichlorobiphenyl	Congener
CP1_---_---_2M	55720-44-0	23	2,3,5-Trichlorobiphenyl	Congener
---_---_---_	55702-45-9	24	2,3,6-Trichlorobiphenyl	Congener
CP1_---_---_	55712-37-3	25	2,3',4-Trichlorobiphenyl	Congener
CP1_---_---_2M	38444-81-4	26	2,3',5-Trichlorobiphenyl	Congener
---_---_---_	38444-76-7	27	2,3',6-Trichlorobiphenyl	Congener
CP1_---_PP_-	7012-37-5	28	2,4,4'-Trichlorobiphenyl	Congener

Descriptor*	CASRN	Congener Number	IUPAC Name	Type
CP1_---_---_	15862-07-4	29	2,4,5-Trichlorobiphenyl	Congener
---_---_---_	35693-92-6	30	2,4,6-Trichlorobiphenyl	Congener
CP1_---_---_	16606-02-3	31	2,4',5-Trichlorobiphenyl	Congener
---_---_---_	38444-77-8	32	2,4',6-Trichlorobiphenyl	Congener
CP1_---_---_	38444-86-9	33	2,3',4'-Trichlorobiphenyl	Congener
CP1_---_---_2M	37680-68-5	34	2,3',5'-Trichlorobiphenyl	Congener
CP0_---_---_2M	37680-69-6	35	3,3',4-Trichlorobiphenyl	Congener
CP0_---_---_2M	38444-87-0	36	3,3',5-Trichlorobiphenyl	Congener
CP0_---_PP_-	38444-90-5	37	3,4,4'-Trichlorobiphenyl	Congener
CP0_---_---_2M	53555-66-1	38	3,4,5-Trichlorobiphenyl	Congener
CP0_---_---_2M	38444-88-1	39	3,4',5-Trichlorobiphenyl	Congener
---_4CL_---_2M	38444-93-8	40	2,2',3,3'-Tetrachlorobiphenyl	Congener
---_4CL_---_	52663-59-9	41	2,2',3,4-Tetrachlorobiphenyl	Congener
---_4CL_---_	36559-22-5	42	2,2',3,4'-Tetrachlorobiphenyl	Congener
---_4CL_---_2M	70362-46-8	43	2,2',3,5-Tetrachlorobiphenyl	Congener
---_4CL_---_2M	41464-39-5	44	2,2',3,5'-Tetrachlorobiphenyl	Congener
---_4CL_---_	70362-45-7	45	2,2',3,6-Tetrachlorobiphenyl	Congener
---_4CL_---_	41464-47-5	46	2,2',3,6'-Tetrachlorobiphenyl	Congener
---_4CL_PP_-	2437-79-8	47	2,2',4,4'-Tetrachlorobiphenyl	Congener
---_4CL_---_	70362-47-9	48	2,2',4,5-Tetrachlorobiphenyl	Congener
---_4CL_---_	41464-40-8	49	2,2',4,5'-Tetrachlorobiphenyl	Congener
---_4CL_---_	62796-65-0	50	2,2',4,6-Tetrachlorobiphenyl	Congener
---_4CL_---_	68194-04-7	51	2,2',4,6'-Tetrachlorobiphenyl	Congener
---_4CL_---_2M	35693-99-3	52	2,2',5,5'-Tetrachlorobiphenyl	Congener
---_4CL_---_	41464-41-9	53	2,2',5,6'-Tetrachlorobiphenyl	Congener
---_4CL_---_	15968-05-5	54	2,2',6,6'-Tetrachlorobiphenyl	Congener
CP1_4CL_---_2M	74338-24-2	55	2,3,3',4-Tetrachlorobiphenyl	Congener
CP1_4CL_---_2M	41464-43-1	56	2,3,3',4'-Tetrachlorobiphenyl	Congener
CP1_4CL_---_2M	70424-67-8	57	2,3,3',5-Tetrachlorobiphenyl	Congener
CP1_4CL_---_2M	41464-49-7	58	2,3,3',5'-Tetrachlorobiphenyl	Congener
---_4CL_---_2M	74472-33-6	59	2,3,3',6-Tetrachlorobiphenyl	Congener
CP1_4CL_PP_-	33025-41-1	60	2,3,4,4'-Tetrachlorobiphenyl	Congener
CP1_4CL_---_2M	33284-53-6	61	2,3,4,5-Tetrachlorobiphenyl	Congener

Descriptor*	CASRN	Congener Number	IUPAC Name	Type
---_4CL_---	54230-22-7	62	2,3,4,6-Tetrachlorobiphenyl	Congener
CP1_4CL_--_2M	74472-34-7	63	2,3,4',5-Tetrachlorobiphenyl	Congener
---_4CL_---	52663-58-8	64	2,3,4',6-Tetrachlorobiphenyl	Congener
---_4CL_--_2M	33284-54-7	65	2,3,5,6-Tetrachlorobiphenyl	Congener
CP1_4CL_PP_-	32598-10-0	66	2,3',4,4'-Tetrachlorobiphenyl	Congener
CP1_4CL_--_2M	73575-53-8	67	2,3',4,5-Tetrachlorobiphenyl	Congener
CP1_4CL_--_2M	73575-52-7	68	2,3',4,5'-Tetrachlorobiphenyl	Congener
---_4CL_---	60233-24-1	69	2,3',4,6-Tetrachlorobiphenyl	Congener
CP1_4CL_--_2M	32598-11-1	70	2,3',4',5-Tetrachlorobiphenyl	Congener
---_4CL_---	41464-46-4	71	2,3',4',6-Tetrachlorobiphenyl	Congener
CP1_4CL_--_2M	41464-42-0	72	2,3',5,5'-Tetrachlorobiphenyl	Congener
---_4CL_--_2M	74338-23-1	73	2,3',5',6-Tetrachlorobiphenyl	Congener
CP1_4CL_PP_-	32690-93-0	74	2,4,4',5-Tetrachlorobiphenyl	Congener
---_4CL_PP_-	32598-12-2	75	2,4,4',6-Tetrachlorobiphenyl	Congener
CP1_4CL_--_2M	70362-48-0	76	2,3',4',5'-Tetrachlorobiphenyl	Congener
CP0_4CL_PP_2M	32598-13-3	77	3,3',4,4'-Tetrachlorobiphenyl	Congener
CP0_4CL_--_2M	70362-49-1	78	3,3',4,5-Tetrachlorobiphenyl	Congener
CP0_4CL_--_2M	41464-48-6	79	3,3',4,5'-Tetrachlorobiphenyl	Congener
CP0_4CL_--_2M	33284-52-5	80	3,3',5,5'-Tetrachlorobiphenyl	Congener
CP0_4CL_PP_2M	70362-50-4	81	3,4,4',5-Tetrachlorobiphenyl	Congener
---_4CL_--_2M	52663-62-4	82	2,2',3,3',4-Pentachlorobiphenyl	Congener
---_4CL_--_2M	60145-20-2	83	2,2',3,3',5-Pentachlorobiphenyl	Congener
---_4CL_--_2M	52663-60-2	84	2,2',3,3',6-Pentachlorobiphenyl	Congener
---_4CL_PP_-	65510-45-4	85	2,2',3,4,4'-Pentachlorobiphenyl	Congener
---_4CL_--_2M	55312-69-1	86	2,2',3,4,5-Pentachlorobiphenyl	Congener
---_4CL_--_2M	38380-02-8	87	2,2',3,4,5'-Pentachlorobiphenyl	Congener
---_4CL_---	55215-17-3	88	2,2',3,4,6-Pentachlorobiphenyl	Congener
---_4CL_---	73575-57-2	89	2,2',3,4,6'-Pentachlorobiphenyl	Congener
---_4CL_--_2M	68194-07-0	90	2,2',3,4',5-Pentachlorobiphenyl	Congener
---_4CL_---	68194-05-8	91	2,2',3,4',6-Pentachlorobiphenyl	Congener
---_4CL_--_2M	52663-61-3	92	2,2',3,5,5'-Pentachlorobiphenyl	Congener
---_4CL_--_2M	73575-56-1	93	2,2',3,5,6-Pentachlorobiphenyl	Congener
---_4CL_--_2M	73575-55-0	94	2,2',3,5,6'-Pentachlorobiphenyl	Congener

Descriptor*	CASRN	Congener Number	IUPAC Name	Type
---_4CL_--_2M	38379-99-6	95	2,2',3,5',6-Pentachlorobiphenyl	Congener
---_4CL_--_-	73575-54-9	96	2,2',3,6,6'-Pentachlorobiphenyl	Congener
---_4CL_--_2M	41464-51-1	97	2,2',3,4',5'-Pentachlorobiphenyl	Congener
---_4CL_--_-	60233-25-2	98	2,2',3,4',6'-Pentachlorobiphenyl	Congener
---_4CL_PP_-	38380-01-7	99	2,2',4,4',5-Pentachlorobiphenyl	Congener
---_4CL_PP_-	39485-83-1	100	2,2',4,4',6-Pentachlorobiphenyl	Congener
---_4CL_--_2M	37680-73-2	101	2,2',4,5,5'-Pentachlorobiphenyl	Congener
---_4CL_--_-	68194-06-9	102	2,2',4,5,6'-Pentachlorobiphenyl	Congener
---_4CL_--_-	60145-21-3	103	2,2',4,5',6-Pentachlorobiphenyl	Congener
---_4CL_--_-	56558-16-8	104	2,2',4,6,6'-Pentachlorobiphenyl	Congener
CP1_4CL_PP_2M	32598-14-4	105	2,3,3',4,4'-Pentachlorobiphenyl	Congener
CP1_4CL_--_2M	70424-69-0	106	2,3,3',4,5-Pentachlorobiphenyl	Congener
CP1_4CL_--_2M	70424-68-9	107	2,3,3',4',5-Pentachlorobiphenyl	Congener
CP1_4CL_--_2M	70362-41-3	108	2,3,3',4,5'-Pentachlorobiphenyl	Congener
---_4CL_--_2M	74472-35-8	109	2,3,3',4,6-Pentachlorobiphenyl	Congener
---_4CL_--_2M	38380-03-9	110	2,3,3',4',6-Pentachlorobiphenyl	Congener
CP1_4CL_--_2M	39635-32-0	111	2,3,3',5,5'-Pentachlorobiphenyl	Congener
---_4CL_--_2M	74472-36-9	112	2,3,3',5,6-Pentachlorobiphenyl	Congener
---_4CL_--_2M	68194-10-5	113	2,3,3',5',6-Pentachlorobiphenyl	Congener
CP1_4CL_PP_2M	74472-37-0	114	2,3,4,4',5-Pentachlorobiphenyl	Congener
---_4CL_PP_-	74472-38-1	115	2,3,4,4',6-Pentachlorobiphenyl	Congener
---_4CL_--_2M	18259-05-7	116	2,3,4,5,6-Pentachlorobiphenyl	Congener
---_4CL_--_2M	68194-11-6	117	2,3,4',5,6-Pentachlorobiphenyl	Congener
CP1_4CL_PP_2M	31508-00-6	118	2,3',4,4',5-Pentachlorobiphenyl	Congener
---_4CL_PP_-	56558-17-9	119	2,3',4,4',6-Pentachlorobiphenyl	Congener
CP1_4CL_--_2M	68194-12-7	120	2,3',4,5,5'-Pentachlorobiphenyl	Congener
---_4CL_--_2M	56558-18-0	121	2,3',4,5',6-Pentachlorobiphenyl	Congener
CP1_4CL_--_2M	76842-07-4	122	2,3,3',4',5'-Pentachlorobiphenyl	Congener
CP1_4CL_PP_2M	65510-44-3	123	2,3',4,4',5'-Pentachlorobiphenyl	Congener
CP1_4CL_--_2M	70424-70-3	124	2,3',4',5,5'-Pentachlorobiphenyl	Congener
---_4CL_--_2M	74472-39-2	125	2,3',4',5',6-Pentachlorobiphenyl	Congener
CP0_4CL_PP_2M	57465-28-8	126	3,3',4,4',5-Pentachlorobiphenyl	Congener
CP0_4CL_--_2M	39635-33-1	127	3,3',4,5,5'-Pentachlorobiphenyl	Congener

Descriptor*	CASRN	Congener Number	IUPAC Name	Type
---_4CL_PP_2M	38380-07-3	128	2,2',3,3',4,4'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	55215-18-4	129	2,2',3,3',4,5'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	52663-66-8	130	2,2',3,3',4,5'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	61798-70-7	131	2,2',3,3',4,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	38380-05-1	132	2,2',3,3',4,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	35694-04-3	133	2,2',3,3',5,5'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	52704-70-8	134	2,2',3,3',5,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	52744-13-5	135	2,2',3,3',5,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	38411-22-2	136	2,2',3,3',6,6'-Hexachlorobiphenyl	Congener
---_4CL_PP_2M	35694-06-5	137	2,2',3,4,4',5'-Hexachlorobiphenyl	Congener
---_4CL_PP_2M	35065-28-2	138	2,2',3,4,4',5'-Hexachlorobiphenyl	Congener
---_4CL_PP_-	56030-56-9	139	2,2',3,4,4',6'-Hexachlorobiphenyl	Congener
---_4CL_PP_-	59291-64-4	140	2,2',3,4,4',6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	52712-04-6	141	2,2',3,4,5,5'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	41411-61-4	142	2,2',3,4,5,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	68194-15-0	143	2,2',3,4,5,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	68194-14-9	144	2,2',3,4,5',6'-Hexachlorobiphenyl	Congener
---_4CL_--_-	74472-40-5	145	2,2',3,4,6,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	51908-16-8	146	2,2',3,4',5,5'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	68194-13-8	147	2,2',3,4',5,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	74472-41-6	148	2,2',3,4',5,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	38380-04-0	149	2,2',3,4',5',6'-Hexachlorobiphenyl	Congener
---_4CL_--_-	68194-08-1	150	2,2',3,4',6,6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	52663-63-5	151	2,2',3,5,5',6'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	68194-09-2	152	2,2',3,5,6,6'-Hexachlorobiphenyl	Congener
---_4CL_PP_2M	35065-27-1	153	2,2',4,4',5,5'-Hexachlorobiphenyl	Congener
---_4CL_PP_-	60145-22-4	154	2,2',4,4',5,6'-Hexachlorobiphenyl	Congener
---_4CL_PP_-	33979-03-2	155	2,2',4,4',6,6'-Hexachlorobiphenyl	Congener
CP1_4CL_PP_2M	38380-08-4	156	2,3,3',4,4',5'-Hexachlorobiphenyl	Congener
CP1_4CL_PP_2M	69782-90-7	157	2,3,3',4,4',5'-Hexachlorobiphenyl	Congener
---_4CL_PP_2M	74472-42-7	158	2,3,3',4,4',6'-Hexachlorobiphenyl	Congener
CP1_4CL_--_2M	39635-35-3	159	2,3,3',4,5,5'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	41411-62-5	160	2,3,3',4,5,6'-Hexachlorobiphenyl	Congener

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---_4CL_--_2M	74472-43-8	161	2,3,3',4,5',6-Hexachlorobiphenyl	Congener
CP1_4CL_--_2M	39635-34-2	162	2,3,3',4',5,5'-Hexachlorobiphenyl	Congener
---_4CL_--_2M	74472-44-9	163	2,3,3',4',5,6-Hexachlorobiphenyl	Congener
---_4CL_--_2M	74472-45-0	164	2,3,3',4',5',6-Hexachlorobiphenyl	Congener
---_4CL_--_2M	74472-46-1	165	2,3,3',5,5',6-Hexachlorobiphenyl	Congener
---_4CL_PP_2M	41411-63-6	166	2,3,4,4',5,6-Hexachlorobiphenyl	Congener
CP1_4CL_PP_2M	52663-72-6	167	2,3',4,4',5,5'-Hexachlorobiphenyl	Congener
---_4CL_PP_2M	59291-65-5	168	2,3',4,4',5',6-Hexachlorobiphenyl	Congener
CP0_4CL_PP_2M	32774-16-6	169	3,3',4,4',5,5'-Hexachlorobiphenyl	Congener
---_4CL_PP_2M	35065-30-6	170	2,2',3,3',4,4',5-Heptachlorobiphenyl	Congener
---_4CL_PP_2M	52663-71-5	171	2,2',3,3',4,4',6-Heptachlorobiphenyl	Congener
---_4CL_--_2M	52663-74-8	172	2,2',3,3',4,5,5'-Heptachlorobiphenyl	Congener
---_4CL_--_2M	68194-16-1	173	2,2',3,3',4,5,6-Heptachlorobiphenyl	Congener
---_4CL_--_2M	38411-25-5	174	2,2',3,3',4,5,6'-Heptachlorobiphenyl	Congener
---_4CL_--_2M	40186-70-7	175	2,2',3,3',4,5',6-Heptachlorobiphenyl	Congener
---_4CL_--_2M	52663-65-7	176	2,2',3,3',4,6,6'-Heptachlorobiphenyl	Congener
---_4CL_--_2M	52663-70-4	177	2,2',3,3',4,5',6'-Heptachlorobiphenyl	Congener
---_4CL_--_2M	52663-67-9	178	2,2',3,3',5,5',6-Heptachlorobiphenyl	Congener
---_4CL_--_2M	52663-64-6	179	2,2',3,3',5,6,6'-Heptachlorobiphenyl	Congener
---_4CL_PP_2M	35065-29-3	180	2,2',3,4,4',5,5'-Heptachlorobiphenyl	Congener
---_4CL_PP_2M	74472-47-2	181	2,2',3,4,4',5,6-Heptachlorobiphenyl	Congener
---_4CL_PP_2M	60145-23-5	182	2,2',3,4,4',5,6'-Heptachlorobiphenyl	Congener
---_4CL_PP_2M	52663-69-1	183	2,2',3,4,4',5',6-Heptachlorobiphenyl	Congener
---_4CL_PP_-	74472-48-3	184	2,2',3,4,4',6,6'-Heptachlorobiphenyl	Congener
---_4CL_--_2M	52712-05-7	185	2,2',3,4,5,5',6-Heptachlorobiphenyl	Congener
---_4CL_--_2M	74472-49-4	186	2,2',3,4,5,6,6'-Heptachlorobiphenyl	Congener
---_4CL_--_2M	52663-68-0	187	2,2',3,4',5,5',6-Heptachlorobiphenyl	Congener
---_4CL_--_2M	74487-85-7	188	2,2',3,4',5,6,6'-Heptachlorobiphenyl	Congener
CP1_4CL_PP_2M	39635-31-9	189	2,3,3',4,4',5,5'-Heptachlorobiphenyl	Congener
---_4CL_PP_2M	41411-64-7	190	2,3,3',4,4',5,6-Heptachlorobiphenyl	Congener
---_4CL_PP_2M	74472-50-7	191	2,3,3',4,4',5',6-Heptachlorobiphenyl	Congener
---_4CL_--_2M	74472-51-8	192	2,3,3',4,5,5',6-Heptachlorobiphenyl	Congener
---_4CL_--_2M	69782-91-8	193	2,3,3',4',5,5',6-Heptachlorobiphenyl	Congener

Descriptor*	CASRN	Congener Number	IUPAC Name	Type
---_4CL_PP_2M	35694-08-7	194	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	Congener
---_4CL_PP_2M	52663-78-2	195	2,2',3,3',4,4',5,6-Octachlorobiphenyl	Congener
---_4CL_PP_2M	42740-50-1	196	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	Congener
---_4CL_PP_2M	33091-17-7	197	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	Congener
---_4CL_--_2M	68194-17-2	198	2,2',3,3',4,5,5',6-Octachlorobiphenyl	Congener
---_4CL_--_2M	52663-75-9	199	2,2',3,3',4,5,5',6'-Octachlorobiphenyl	Congener
---_4CL_--_2M	52663-73-7	200	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	Congener
---_4CL_--_2M	40186-71-8	201	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	Congener
---_4CL_--_2M	2136-99-4	202	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	Congener
---_4CL_PP_2M	52663-76-0	203	2,2',3,4,4',5,5',6-Octachlorobiphenyl	Congener
---_4CL_PP_2M	74472-52-9	204	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	Congener
---_4CL_PP_2M	74472-53-0	205	2,3,3',4,4',5,5',6-Octachlorobiphenyl	Congener
---_4CL_PP_2M	40186-72-9	206	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	Congener
---_4CL_PP_2M	52663-79-3	207	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	Congener
---_4CL_--_2M	52663-77-1	208	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	Congener
---_---_---_	2051-24-3	209	Decachlorobiphenyl	Congener

*Key to Table Columns

Descriptors	
CP0 / CP1	These 68 co-planar congeners include 20 with chlorine substitution at none (CP0, non-ortho) and 48 with chlorine substitution at only one (CP1, mono-ortho) of the 2, 2', 6, or 6' positions.
4CL	These 169 congeners have a total of four or more chlorine substituents (regardless of position).
PP	These 54 congeners have both para positions (4 and 4') chlorinated.
2M	These 140 congeners have two or more of the meta positions (3, 3', 5, and 5') chlorinated.
NOTE: The 12 "Dioxin-like" congeners are those that display all four of the above Descriptors.	
CASRN	
Chemical Abstracts Service (CAS) Registry Number.	
Congener Number	
The numbering presented in the table is identical to that published by Ballschmiter et al., 1992.	
IUPAC Name	

Revised as of November 2003

The names presented in the table are the IUPAC names.

Type
The type of the PCB entity: Congener, Homolog, Mixture, Category.