

Supporting Material for
Inadvertent polychlorinated biphenyls in commercial paint pigments

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Three tables are included as supplementary information (6 pages including cover page).

Table S1. Detected PCB congeners (ng/g f.w.) in paint pigments purchased from Sherwin Williams

	Y1	G2	R4	L1	W1	N1	Y3	R2	R3	B1
1 mono	0.08	0.20	0.11	0.45	0	0	0	0	0	0
2 mono	0.02	0.12	0.19	0.14	0	0	0	0	0	0
3 mono	0.32	0.11	0.67	0.12	0	0	0	0	0	0
4 di	3.29	3.90	0.83	0	0	0	0	0	0	0
6 di	0.81	11.61	0.32	0	0	0	0	0	0	0
7 di	0	0	0	0.63	0	0	0	0	0	0
8 di	2.61	5.61	3.23	0	0	0	0	0	0	0
11 di	1.00	3.33	0.13	0	0	0	0	0	0	0
12 di*13	0.03	3.73	3.39	0	0	0	0	0	0	0
15 di	0	0.90	3.40	0	0	0	0	0	0	0
52 tetra	0.35	0.08	0	0	0	0	0	0	0	0
61 tetra*70,74,76	0	0.22	0	0	0	0	0	0	0	0
66 tetra	0	0.13	0	0	0	0	0	0	0	0
86 penta*87,97,109,119,125	0	0.45	0	0	0	0	0	0	0	0
90 penta*101,113	0.20	0.10	0	0	0	0	0	0	0	0
95 penta	0.18	0	0	0	0	0	0	0	0	0
106 penta	0	0.15	0	0	0	0	0	0	0	0
129 hexa*138,163	0	0.03	0	0	0	0	0	0	0	0
142 hexa	0	0.59	0	0	0	0	0	0	0	0
160 hexa	0	0.19	0	0	0	0	0	0	0	0
206 nona	0	0.33	0	0.13	0	0	0	0	0	0
207 nona	0	0.31	0	0	0	0	0	0	0	0
208 nona	0	0.26	0	0.05	0	0	0	0	0	0
209 deca	0	61.50	0	0.59	0	0	0	0	0	0
Sum	8.9	93.8	12.2	2.1	0	0	0	0	0	0

Table S2. Detected PCB congeners (ng/g f.w.) in paint pigments purchased from PPG Pittsburgh

	96-5E	96-4D	96-13M	96-10J	96-26Z	96-7G	96-6F	96-12L	96-23W	96-2B	96-3C	96-22V
1 mono	0.25	0.65	0	0	0	0	0	0	0	0	0	0
2 mono	0	0.37	0	0	0	0	0	0	0	0	0	0
3 mono	0	0.20	0	0	0	0	0	0	0	0	0	0
4 di	0	13.36	0	0	0.41	6.14	0	0	0	0	0	0
5 di	32.05	0	0	3.54	0	0	0	0	0	0	0	0
6 di	0	45.06	0	0	0.16	2.92	0	0	0	0	0	0
8 di	0	17.83	0.11	0	0.50	4.53	0	0	0	0	0	0
9 di	0.38	0	0	0	0	0	0	0	0	0	0	0
11 di	0	16.38	0.08	0.12	1.74	0.80	0	0	0	0	0	0
12 di*13	17.25	18.23	0.71	1.38	0	0	0	0	0	0	0	0
15 di	0	4.56	1.18	0	0	0	0	0	0	0	0	0
16 tri	0	0	0	0.50	0	0	0	0	0	0	0	0
40 tetra*41,71	0.90	0	0	0	0	0	0	0	0	0	0	0
56 tetra	2.96	0	0	4.79	0	0	0	0	0	0	0	0
77 tetra	0.59	0	0	0.91	0	0	0	0	0	0	0	0
86 penta*87,97,109,119,125	0	0.34	0	0	0	0	0	0	0	0	0	0
95 penta	0.09	0	0	0	0	0	0	0	0	0	0	0
108 penta	0.29	0	0	0	0	0	0	0	0	0	0	0
110 penta*115	0.89	0	0	0	0	0	0	0	0	0	0	0
114 penta	0	0.23	0	0	0	0	0	0	0	0	0	0
118 penta	0.26	0	0	0	0	0	0	0	0	0	0	0
123 penta	0.18	0	0	0	0	0	0	0	0	0	0	0
129 hexa*138,163	0.06	0	0	0	0	0	0	0	0	0	0	0
132 hexa	0.12	0	0	0	0	0	0	0	0	0	0	0
135 hexa*151	0.13	0	0	0	0	0	0	0	0	0	0	0
142 hexa	0	1.65	0	0	0	0	0	0	0	0	0	0
146 hexa	0.22	0	0	0	0	0	0	0	0	0	0	0
147 hexa*149	0.23	0	0	0	0	0	0	0	0	0	0	0

153 hexa*168	0.24	0	0	0	0	0	0	0	0	0	0	0
160 hexa	0.25	1.05	0	0	0	0	0	0	0	0	0	0
206 nona	0	0.46	0	0	0	0	0	0	0	0	0	0
207 nona	0	0.31	0	0	0	0	0	0	0	0	0	0
208 nona	0	0.38	0	0	0	0	0	0	0	0	0	0
209 deca	0	59.36	0	0.46	0	0	0	0	0	0	0	0
SUM	57.3	180.4	2.1	11.7	2.8	14.4	0	0	0	0	0	0

Table S3. Detected PCB congeners (ng/g f.w.) in paint pigments purchased from Vogel

	CC	DD	PP	HH	TT	MM	VV	FF	EE	JJ	KK
1 mono	0	2.95	0.52	0	0	0	0	0	0	0	0
2 mono	0	3.26	0.51	0	0	0	0	0	0	0	0
3 mono	0	2.21	0.24	0	0	0	0	0	0	0	0
4 di	0.08	0	12.85	0.54	4.83	0	0	0	0	0	0
6 di	0.04	0.05	36.88	0.44	1.10	0	0	0	0	0	0
8 di	0.20	0.17	16.92	0.72	2.44	0	0	0	0	0	0
11 di	0.10	0.08	10.09	2.38	11.69	0	0	0	0	0	0
12 di*13	0	0	11.07	0	0	0	0	0	0	0	0
15 di	0	0	2.50	0	0	0	0	0	0	0	0
18 tri*30	0.14	0	0	0	0	0	0	0	0	0	0
20 tri*28	0.43	0	0	0	0.40	0	0	0	0	0	0
21 tri*33	0.57	0	0	0	0	0	0	0	0	0	0
31 tri	0.25	0	0	0	0	0	0	0	0	0	0
52 tetra	0	0	0	3.33	0	0	0	0	0	0	0
61 tetra*70,74,76	0.20	0	0	0	0	0	0	0	0	0	0
78 tetra	0	0	0	0	0.76	0	0	0	0	0	0
86 penta*87,97,109,119,125	0	0	0.55	0	0	0	0	0	0	0	0
90 penta*101,113	0	0.15	0	0.92	0	0	0	0	0	0	0
95 penta	0	0	0	0.57	0	0	0	0	0	0	0
106 penta	0	0	0.55	0	0	0	0	0	0	0	0
118 penta	0	0.26	0	0	0	0	0	0	0	0	0
142 hexa	0	0	1.48	0	0	0	0	0	0	0	0
146 hexa	0	2.44	0	0	0	0	0	0	0	0	0
147 hexa*149	0	1.58	0	0	0	0	0	0	0	0	0
153 hexa*168	0	0.55	0	0	0	0	0	0	0	0	0
160 hexa	0	0	0.87	0	0	0	0	0	0	0	0
161 hexa	0	1.79	0	0	0	0	0	0	0	0	0

187 hepta	0	0.25	0	0	0	0	0	0	0	0	0
206 nona	0	0	0.52	0	0	0	0	0	0	0	0
207 nona	0	0	0.89	0	0	0	0	0	0	0	0
208 nona	0	0	1.43	0	0	0	0	0	0	0	0
209 deca	0	0	100.47	0	0	0	0	0	0	0	0
SUM	2.0	15.7	198.3	8.9	21.2	0	0	0	0	0	0