

Table 3-19 — Total PCBs in Fish
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

<i>Fish identifier</i>	Barred sand bass						White croaker					
	<i>Breakwater Zone</i>	<i>Huntington Flats</i>	<i>Redondo Flats</i>	<i>Zone 1</i>	<i>Zone 2</i>	<i>Zone 3</i>	<i>Breakwater Zone</i>	<i>Redondo Flats</i>	<i>Ventura Flats</i>	<i>Zone 1</i>	<i>Zone 2</i>	<i>Zone 3</i>
1	21.3	20.3	16	19.5	9.13	4.22	52.1	62.5	3.37	79.9	89.5	55.6
2	22.6	20	12.9	37.3	21.1	4.19	21.3	146	2.4	89.3	115	61
3	8.01	133	128	16.7	38.3	34.6	33.8	42	1.34	103	109	30
4	22.2	65.8	41.6	17.2	32.5	22.9	10.6	30.9	3.85	42.9	63.6	102
5	24	71.1	32.8	27.3	66	38.5	16.7	68.6	1.96	45.8	102	35.8
6	16.3	32.7	58.3	22.8	47.4	7.74	46.2	112	2.43	62.2	71.9	90.7
7	36.2	40.4	28.3	53.3	4.39	7.62	58.5	26.5	2.32	65.9	118	57.1
8	11.4	27.7	30.1	22.8	7.17	28.4	55.3	73.8	1.95	45.4	111	41
9	29.8	63.5	11.3	19.2	21.7	5.56	64.7		3.37	62.1	76	29.7
10	11.6	28.6	16.2	16.7	13.8	9.72	59.4		3.09	115	71.7	62.2
11	19.4	17.5	58.2	22.9	6.87	21.2	81		1.96	40.5	43.2	39.4
12	77.3	15.2	6.83	37.8	3.77	25.4	55.1		1.82	186	29.5	66.6
13	13.9	171	10.1	39		4.89	76.8		1.75	118	24.7	164
14	7.4	46.4	20.2	50.5		11.1	75.9		1.78	45.5	145	70.6
15	8.95	44.5	26.4	60.2			68		1.82	154	225	30.7
16	5.84	29.7	11.2	32.3			47.3		2.06	46.5	176	76.8
17	6.1	32.9	15.5	31.9			70.9		2.53	41.8	196	14.9
18	21	8.85	4.96	16.1			72.5		2.12	63.5	256	62.8
19	11.9	164	42.4	65.8			64.8		1.9	138	225	9.98
20	14.1	39.9	24.2	9.5			65.3		2.22	40.9	173	21.2
21	5.81	12.9	25.2	7.05			46.3		4.95	72.3	161	54.9
22	23.8	42.7	20.9	14.8			87.4		4.79	134	83.4	38.7
23	9.65	20.3	18.1	87.5			35.2		3.94	42	69.1	35.9
24	7.76	33.3	18	6.46			69.2		5.14	122	50.9	31.4
25	17.1	36.6	30.1	50.3			33.5		2.91	78.8	168	64.7
26	4.24	9.25	8.43	17.9			26.6		3.92	49.5	59.4	26
27	13.3	49.9		76.1			34.9		3.83	80.5	54.3	37.2
28	18.8	12.3		106			59		2.91	199	167	43.9
29	27.5	14.1		16.6			33.5		2.84	59.8	152	27.7
30	28.8	7.68		43.1			38.3		3.33	40.9	50.3	38.1
31	4.83											
Summary statistics												
Minimum	4.24	7.68	4.96	6.46	3.77	4.19	10.6	26.5	1.34	40.5	24.7	9.98
Median	14.1	32.8	20.6	25.1	17.5	10.4	55.2	65.6	2.48	64.7	106	40.2
Mean	17.8	43.7	27.5	34.8	22.7	16.1	52.0	70.3	2.82	82.2	115	50.7
95% UCL	22.2	57.8	36.2	44.0	32.9	25.4	58.2	97.8	3.14	97.6	134	60.1
Maximum	77.3	171	128	106	66.0	38.5	87.4	146	5.14	199	256	164
StDev	13.9	42.0	24.9	24.6	19.7	12.0	20.1	41.1	1.03	44.8	63.0	30.4
N	31	30	26	30	12	14	30	8	30	30	30	30
N >= IROD RAO	NA	NA	NA	NA	NA	NA	6	3	0	14	21	5

Notes

1. Total PCBs is the sum of 46 PCB congeners: 8, 18, 28, 31, 37, 44, 49, 52, 66, 70, 74, 77*, 81*, 87, 99, 101, 105*, 110, 114*, 118*, 119, 123*, 126*, 128, 138, 149, 151, 153, 156*, 157*, 158, 167*, 168, 169*, 170, 177, 180, 183, 187, 189*, 194, 195, 201, 203, 206, and 209. The list includes 12 dioxin-like congeners designated with an asterisk (e.g., PCB 126*).
2. All Total PCBs are in micrograms per kilogram (ug/kg)
3. Shaded cells show Total PCBs greater than the IROD Remedial Action Objective (RAO) for white croaker ingestion of 70 ug/kg.
4. In calculating summations of Total PCBs, nondetects were assumed to have a value of the EDL.

Abbreviations

EDL - Estimated detection limit (sample specific)
IROD - Interim Record of Decision
N - Number of fish
NA - Not available
PCB - Polychlorinated biphenyl
RAO - Remedial Action Objective
StDev - Standard deviation
UCL - Upper confidence limit (of the mean)
ug/kg - Micrograms per kilogram
>= - Greater than or equal to