Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Halibut, Pacific	30	AK. B.C. Wash.	.069	.01-.149
Herring, oil	1	Maine	13.8	----
Herring, meal	1	Maine	1.48	----
Herring, thread	3	North Carolina	0.537	----
Hake, red	25	NW Atlantic	0.1	
Hake, silver	25	" "	.127	
Herring, sea (Liver)	40	" "	.133	
Hake, silver "	40	" "	1.01	
Haddock "	10	" "	1.16	
" "	10	" "	.619	
" "	10	" "	.378	
Hake, red "	30	" "	.952	
Haddock		All U.S. Districts	0	
Hake		Boston Dist.	0	
Halibut		All U.S. Dist.	0	
Herring		Minn. Dist.	.64	
"		Atlanta Dist.	T	
"		New York Dist.	.81	
"		Buffalo Dist.	0	
"		" "	T	
Hake, Pacific (liver)		Bering Sea	.639	
Herring, Pacific (liver)		Oregon, Washington	.143	

MONS 051722

H - Freshwater

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Herring, Lake	1	Lake Superior	.097	---

MONS 051723

J — Marine

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Jack		Gulf of Mexico	.043	

MONS 051774

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
N. Lingcod	20	California	.133	<.04-.80
E " (liver)		Oregon-Washington	.732	

MONS 051775

	Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
N	Mackerel, jack	20	California	.497	<.05-1.4
N	Marlin, blue	Composite of 10	Hawaii	<.05	----
N	Mouthbrooder	1	Hawaii	0.260	----
E	Mackerel (Liver)	30	NW Atlantic	.327	
N	Menhaden (1972)	3	Gulf of Mexico	.49	.30-.82
	" (1973)	8	" " "	.34	.24-.57
	" (1974)	9	" " "	.32	.18-.50
	" (1971)	4	So. Atlantic	.46	.14-.95
	"	13	" "	.608	.46-.76
	" (1971)	2	Chesapeake Bay	.31	.26-.36
	" (1974)	3	" "	.27	.17-.47
	" (1971)	1	Mid-Atlantic	3.2	
	" (1972)	3	"	3.6	1.6-5.7
	" (1973)	5	"	1.6	.74-2.4
	" (1974)	4	"	1.05	.62-1.5
F	Mackerel		New Orleans Dist.	.43	
	" , Spanish		Los Angeles Dist.	.50	
	"		Cincinnati Dist.	.60	
	"		Buffalo	1.16	
	" , canned		" "	0	
	"		New York	.54	
	" , canned		" " "	0	
	"		Philadelphia	0	

MONS 051776

Marine (Continued)

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Mackerel, king (Muscle)		Gulf of Mexico	.034	
" " (Liver)		" " "	.083	
" " (Gut)		" " "	.090	
" " (Gonad)		" " "	.056	

MONS 051777

M - Freshwater

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
(M) Milkfish	11	Hawaii	0	

MONS 051728

- Shellfish

	Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
(M)	Mussels	Composite of 10	Washington	.092	----
(C)	Mussels	53	So. Calif.	.43	.07 - 1.2

MONS 051279

O - Shellfish

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
(V) Oysters - Spring 74	composite	20 sites-Virginia	-----	0 - .07
Fall 74	"	21 sites-Virginia	-----	.025 - .433
(W) Oysters (1972)	-----	Upper Chesapeake Bay	.055	.016 - .250
(1974	5 composites	" " "	.024	0 - .054

MONS 051780

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
H Plankton	1	Kayak Pt.	0.20	——
E Plaice, American (Liver),	20	NW Atlantic	.199	
Pout, ocean (Liver)	50	" "	.308	
" " "	3	" "	1.23	
Pollock (Liver)	12	" "	1.98	
" "	6	" "	2.61	
" "	10	" "	2.41	
F Perch, ocean		Kansas Dist.	T	
"		Atlanta Dist.	0	
"		Chicago Dist.	0	
"		Cincinnati Dist.	0	
"		Detroit Dist.	T	
"		" "	T	
"		Boston Dist.	.23	
"		Philadelphia Dist.	.24	
"		Buffalo Dist.	0	
"		" "	0	
Pollock		Chicago Dist.	0	
"		Boston Dist.	0	
"		" "	0	
T Parrot fish (Liver)		Gulf of Mexico	.284	
E Perch, Ocean Pacific (liver)		No. California	.375	
E Porgy, Longspine	50	Gulf of Mexico	.151	
C Pinfish	42	" " "	.102	

MDNS 051781

P = Freshwater

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
(G) Perch, yellow (1972)	1	L. Michigan	0.4	.4-.6
" " (1973)	6	" "	0.4	
" , white		Chicago Dist.	1.59	
(F) Pike		Cincinnati Dist.	.12	
(W) Pike, Northern	7	Lake Superior	.16	.02 - .65
(I) " "	1	Miss. R.-Minn.	.04	-----
(W) Perch	10	Lake Superior	.20	.02 - .45

MONS 051782

R - Marine

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
E Redfish (Liver)	24	NW Atlantic-	.338	
E Rockfish, yellow Tail (liver)		Oregon, Washington	.395	

MCNS 051783

R - Freshwater

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Rednose, shorthead	2	Mississippi R.-Minn.	2.75	0.8 - 4.5

MONS 05178A

S - Marine

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
N Sablefish	17	AK., Washington	0.229	----
"	10	Washington	<0.10	----
"	6	California	<0.117	----
Shark, silky (Liver)	1	Off Sav. R.	10.9	----
Squid	1	California	<0.1	----
E Spot	25	New York	.207	
"	25	North Carolina	.149	
Scup (Liver)	40	NW Atlantic	.351	
Sea Robin (Liver)	25	" "	.389	
Sculpin, longhorn (Liver)	16	" "	.214	
" " "	38	" "	.033	
Skate, little (Liver)	3	" "	1.43	
" " "	8	" "	.97	
" " "	10	" "	1.43	
F Snapper, red		Kansas Dist.	0	
" "		Detroit Dist.	.10	
" "		" "	0	
" "		Boston Dist.	0	
" "		New York	0	
" "		" "	0	
Scup		Boston Dist.	.69	
"		Buffalo Dist.	.69	

MONS 051785

S - Marine (Continued)

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
F Snapper		Baltimore Dist.	0	
"		Buffalo Dist.	0	
Sole, fillets, fresh	not reported	Cincinnati Dist., 1974	0	
Sole, brown muscle	165	So. Calif., 1974-5	<1 *	.03-2.8
Sea Pansey		Gulf of Mexico	.85	
Shark (Liver)		" " "	1.3	
" White tip (Muscel)		" " "	.032	
" " " (Liver)		" " "	.536	
" " " (Gut)		" " "	.058	
" " " (Gonad)		" " "	.074	
Shark (Muscle)		Caribbean	.008	
" (Liver)		"	.310	
Snapper, red (Liver)		Gulf of Mexico	.018	
" " (Gonad)		" " "	.016	
Snapper, yellowtail (Liver)		" " "	.043	
" " (Gonad)		" " "	.022	
" " (Gut)		" " "	.009	
E Sable fish (liver)		Unimak, Alaska	.196	
N " "		Oregon, Washington	.318	
N " "		Central California	.472	
N " "		" "	.241	
E Sole, yellowfin (liver)		Bering Sea	.140	
E Sole, petrale (liver)		Oregon, Washington	.403	

* Five areas < .7 median
Pafos Vendor 1.3 ppm

MONS 051786

S - Marine (Continued)

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
(E) Sole, petrale (liver)		Central California	.343	
Sole, English (liver)		Oregon, Washington	.160	
" " "		Central California	.383	
Sole, Dover (liver)		Oregon - Washington	.139	
" " "		Central California	.282	
Seatrout, sand	60	Gulf of Mexico	.562	
Spot	38	" " "	.122	
"	50	" " "	.355	
(C) Sole, Dover (1972)	110	Pt. Hueneme-Cal.	0.1	
		Santa Monica	1.5	.4 - 2.8
		Palos Verdes	1.9	1.1 - 6.3
		Orange County	.7	0.1 - 1.2
		Dana Pt.	.06	.03 - .09
		Santa Catalina Is.	.04	.03 - .04
" " (1975)	165	Pt. Hueneme	.06	.05 - .07
		Santa Monica	2.0	1.0 - 2.3
		Palos Verdes	1.3	.06 - 2.5
		Orange County	0.6	.3 - 2.8
		Dana Pt.	0.7	.03 - .14
		San Diego	0.2	.09 - .6
		Santa Catalina	.05	.03 - .07

MCNS 051787

S - Freshwater (Continued)

	Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
(F)	Salmon, canned		Denver Dist.	.5	
	" "		" "	0	
	" "		" "	0	
	" "		" "	0	
	" "		Atlanta Dist.	0	
	"		Boston Dist.	T	
	"		Philadelphia	0	
	" "		"	T	
	" "		New York	0	
	" "		Buffalo	0	
	" "		"	0	
	Smelt		Cincinnati Dist.	.27	
(W)	Smelt, muscle	6	Lake Superior	.221	.15 - .27
	Sucker, white	1	" "	.024	------
	" "	1	Mississippi R.-Minn.	0.9	------
(I)	Sheepshead	4	" " "	1.3	.5 - 2.5
		2	St. Croix R.-Wisc.	1.3	.2 - 2.4
	Sauger	1	" " " "	0.4	------
		4	Minnesota R.	.65	.3 - .9

MONS 051788

S - Freshwater

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
N Salmon, chinook	4	Col. River	.172	.079-.29
" , chum	2	Puget Sound	<.04	<02-<06
" , coho	7	Col. River	.091	<06-.17
G " "	1	L. Michigan	9.94	----
N " , pink	2	Puget Sound	<05	<03-<.07
" , sockeye	2	" "	<04	<02-<.06
G Smelt	3	L. Michigan	1.6	
Steelhead	2	" "	6.0	
Sucker	17	" "	1.0	.7-1.5
" (1972)	11	" "	.7	
"	6	" "	1.7	
" (1973)	3	" "	.7	
"	3	" "	.2	
Salmon, coho	3	" "	11.2	
" "	2	" "	4.9	
" , chinook	10	" "	12.4	
" "	2	" "	6.4	
F " fillets, alum.		New Orleans Dist.	.49	
" frozen soy pkg		San Francisco Dist.	.10	
" "		" " "	.10	
" "		" " "	.20	
" , canned		Los Angeles Dist.	0	

MONS 051789

S - Shellfish

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
F Shrimp (all 1974)		Dallas Dist. all 1974	0	
"		" "	0	
"		Denver Dist.	0	
"		" "	0	
"		Los Angeles Dist.	0	
"		" " "	0	
"		San Francisco Dist.	0	
" canned		Denver Dist.	0	
"		Atlanta Dist.	0	
"		Detroit Dist.	0	
"		Baltimore Dist.	0	
"		Boston Dist.	0	
"		Philadelphia Dist.	0	
" canned		" "	0	
" "		New York Dist.	0	
" "		" " "	0	
" "		" " "	0	
" "		Buffalo Dist.	0	
"		" "	0	
T "		Gulf of Mexico 1971	0	
"		" " "	0	
"		" " "	0	

MONS 051790

S - Shellfish (Continued)

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Shrimp		Gulf of Mexico, '71	.167	
" , rock		" " "	0	
" "		" " "	.006	
Squid		" " "	0	
"		" " "	.04	

MONS 051791

T - Marine

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
N Tuna, yellowfin	1	Hawaii, 1972	1.02	—
Tucunare	1	" , 1971	0.66	—
Tuna, bigeye	1	" , 1972	<0.08	—
F Totoava		Los Angeles Dist.	0	
Tuna, canned	1 (cd oil, salt, veg)	Denver Dist.	0	
Turbot		Atlanta Dist.	0	
"		Detroit Dist.	0	
T Tunicate, colonial		Gulf of Mexico	.139	
T Tuna (Muscle)		" " " , 1974	→ .058	
" (Liver)		" " "	.059	
" (Gonad)		" " " , 19	.076	
" (Muscle)		Caribbean , 1974	→ .036	
(Liver)		"	.153	
" (Gonad)		"	.035	
T Trigger fish (Liver)		Gulf of Mexico	0	
" " (Muscle)		" " "	<1	
" "		Caribbean	<1	
" "		"	<1	
F Tuna, (canned?)	38	, 1973	0	0-0.49
~~" "~~	~~1~~	~~, 1974~~	~~0~~	

MONS 051792

T = Freshwater

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Trout (1972)	20	L. Michigan	7.4	3.2-11.1
"	3	" "	2.6	
"	4	" "	6.2	
"	13	" "	8.1	
" (1973)	1	" "	2.2	
"	2	" "	3.6	
"	3	" "	2.6	
"	3	" "	2.4	
"	3	" "	10.6	
"	2	" "	2.6	
"	1	" "	1.8	
"	3	" "	8.5	
"	3	" "	6.8	
"	1	" "	6.4	
"	5	" "	6.3	
"	3	" "	11.2	
"	3	" "	3.4	
"	1	" "	11.6	

MONS 051793

T - Freshwater (cont'd)

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
(W) Trout, rainbow	3	Lake Superior	.08	.04 - .11
Trout, brown	3	" "	.19	.13 - .235
(H) Ten Pounder	30	Hawaii	0	-----

MONS 051794

SUPPLEMENT SUBMITTED BY NOAA

COMPENDIUM - PCB DATA

MONS 051757

February 1976

Prepared by:
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(T) Pesticide Monitoring Journal Vol. 6 #3 December 1972
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MONS 051758

(M) Dr. Thomas O. Munson
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(H) Bulletin of Environmental Contaminations and Toxicology
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NCNS 051759

A - Mari

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
N. Albacore	20	California, 1974	<.05	<.04-<.07
N Anchovy	1 (composite)	California	0.83	----
E " , striped	50	Gulf of Mexico	.104	

MONS 051760

Freshwater

C

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
// Alewife (oil)	1	North Carolina	15.0	----
G Alewife	13	L. Michigan	2.4	1.7-3.0
E Alewife (Liver)	40	NW Atlantic	.267	----

MONS 051761

* — Marine

	Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
W	Bass, striped	12	New Jersey	2.39	0.64-17.2
N	Bass, striped	26	Oregon, Calif.	.714	.056-2.9
N	Bocaccio	10	California	.16	.06-.37
E	Bluefish	25	New York	.259	
E	Butterfish (Liver)	40	NW Atlantic	.535	
F	Bass		Detroit Dist.	.32	
	Bluefish		Boston Dist.	.73	
	Bonita, canned		Los Angeles Dist.	.20	
	Bonita, fresh		Los Angeles Dist.	.50	
	Bonita, canned		Baltimore Dist.	0	
	Bonita, canned		New York Dist..	0	
	Bonita, canned		Buffalo Dist.	0	
	Batfish		Gulf of Mexico	.53	
	Barracuda (Muscle)		Caribbean	.009	
	Barracuda (Liver)		Caribbean	.057	

MONS 051762

(W) = Freshwater

	Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
(I)	Buffalo, bigmouth	2	Miss.R.-Minn.	.22	.04 - 0.4
		1	St. Croix R.-Wisc	0.2	-----
(F)	Buffalo fish	1	Atlanta Dist.	1.23	
(W)	Bullhead	4	Lake Superior	.03	.003 - .05
(I)	"	1	Miss.River-Minn.	0.1	-----
(W)	Bass, smallmouth	11	Miss.R.-Minn.	.65	.03 - 2.1
		6	St. Croix R.-Wisc.	.13	.07 - .2
(W)	Bass, white	13	Miss.R.-Minn.	2.31	.87 - 4.3
		4	St. Croix R.-Wisc.	6.2	5.2 - 8.4

MCNS 051763

C - Mar

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
E Cod (Liver)	20	NW Atlantic	1.11	
F " muscle		San Francisco Dist.	0.4	
" "		Minneapolis Dist.	0	
" "		Denver Dist.	0	
" "		Denver Dist.	0	
" "		Cincinnati Dist.	0	
" "		Boston Dist.	0	
" "		Philadelphia Dist.	0	
" "		New York Dist.	0	
" "		Buffalo Dist.	0	
"		Bering Sea	.367	
E Cod Pacific (liver)		Gulf of Mexico	.137	
E Croaker, Atlantic	40			

MONS 051744

C - Freshwater

Species	Number of Fish	Area	Total PC3's Concentration (ppm) Mean	Range
(M) Carp	1	Virginia	.06	----
(M) Catfish	1	Hawaii	4.9	----
(G) Chub	1	L. Michigan	4.96	----
(G) Carp	6	L. Michigan	3.9	
Chub (1972)	19	L. Michigan	7.0	3.2-8.5
"	17	"	7.5	
"	2	"	3.2	
" (1973)	6	"	6.3	
"	3	"	2.3	
"	3	"	3.0	
(F) Carp		Atlanta Dist.	1.34	
"		Philadelphia Dist.	1.35	
"		Buffalo Dist.	0	
(W) Carp	11	Lake Superior	.59	.19 - 1.34
(I) Carp	44	Mississippi R.-Minn.	4.39	0.4 - 33.0
	9	St. Croix R.-Wisc.	.74	0.1 - 3.6
	4	Minnesota R.	.48	0.3 - 0.6
(I) Crappie, Black	15	Miss.R.-Minn.	.20	.06 - .36
(I) Catfish, Channel	5	Miss.R.-Minn.	2.52	.5 - 4.4
	2		1.7	1.5 - 1.9

MDNS 051765

C - Freshwater

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
F Catfish		Kansas Dist.	Trace	
"		Los Angeles Dist.	0	
"		Chicago Dist.	0	
"		Boston Dist.	0	
T Croaker		Gulf of Mexico	.05	

MONS 051766

C - Shellfish

Species	Number of Fish
(M) Clam, soft	6
(T) Crab	
(M) Crab (1972)	
(1974)	composite
Clams, softshell (1972)	
Clams (Rangia cuneata) (1974)	19 composites
(V) Clams " " (1974)	
(C) Crab, yellowneck (1972)	48

Area	Total PCB's Concentration (ppm) Mean	Range
Maryland	<0.171	----
Gulf of Mexico	.017	
Upper Chesapeake Bay	.020	.0004 - .051
" " "	1.2	-----
" " "	.058	.013 - .180
" " "	.061	.002 - .15
6 sites - Virginia	----	.06 - .819
Santa Monica	.68	.089 - 4.9
Palos Verdes	.82	.29 - 3.8
San Pedro Harbor	.49	.32 - .85
Orange County	.32	.23 - 1.4

MONS 051267

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Dogfish, spiny (Liver)	20	NW Atlantic	2.48	
Dolphin (Mahi Mahi)		San Francisco Dist.	0	
"		" " "	0	

MONS 051768

E - Marine

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
Eulachon (liver) (Smelt)		Oregon - Washington	.131	

MONS 051769

F - Marine

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
E Flounder, 4-spot (Liver)	38	NW Atlantic	.28	
E Flounder, yellowtail (Liver)	20	"	.18	
F Flounder		Denver Dist. 1974	0	
"		" "	0	
"		Philadelphia Dist.	0	
"		New York Dist.	0	
"		" " "	0	
"		" " "	0	
"		Buffalo Dist.	0	
F "		Gulf of Mexico 1971	.032	
"		" " "	.036	
"		" " "	.059	
"		" " "	.034	
F Flying Fish		" " "	.020	
"		" " "	.065	
"		Caribbean 1971	.026	
E Flounder, Arrowtooth (liver)		N. California	.645	

MONS 051270

G - Marine

Species	Number of Fish	Area	Total PCB's Concentration (ppm) Mean	Range
N Goatfish	1	Kayak Pt.	2.24	----
G Goatfish (Liver)	5	MA Atlantic	.197	
"	5	" "	8.9	
"	25	" "	2.04	
F Grouper		Atlanta Dist.	0	

MONS 051721