PCB LITERATURE REFERENCES

INFORMATION SOURCE	TYPE & LEVEL PCB REPORTED	ANALYTICAL TECHNIQUES REPORTED	MATRIX OF SPECIES ANAL. & LOCATION	VALIDITY
Organochlorine Residues, O.E.C.D. Preliminary Study 1966-1967, Sweden, G. Widmark, Univ. of Stockholm.	Reported as PCB (Cl_4-Cl_8) ppm chromatograms similar to Aroclors 1254-1260.	EC/GC on QF-1 & SF-96 columns chemical confirmation; Nitration (mild) & Sulfuric acid extraction. Some GC/Mass confirmation.	Sea Eagle, Salmon (juv.) & Pike. Sweden.	Positive
Chlorinated Hydrocarbons in British Wildlife Nature 216, 227 (10/21/67), D.C. Holmes, J.H. Simmons, & J. O'G. Tatton.	Reported as PCB resins. Eludes to highly chlorinated biphenyls and lightly chlorinated terphenyls ppb.	EC/GC on SE-52, Apiezon L, & XE-60. Some T.L.C. Sample clean up DMF/HEX partition followed by L.C.C. (Alumina).	Sparrowhawks, kestrels, giullemots. Also detected small amounts in human & animal fats. U.K.	?
Organochlorine Pesticides in Seals & Porpoises, Nature 216, 1274 (12/30/67), A.V. Holden & K. Marsden.	Reported as apparent PCB. No level stated; chromatograms similar to Aroclors 1254-1260.	EC/GC on XE-60, DC-200, & QF-1. Sample clean up DMF/HEX partition saponification.	Seal & Porpoise Fat. British coastal waters.	?
Chlorinated Biphenyls in Fish, Mussels, & Birds from the Rhine & the Netherlands Coastal Area. Nature 221, 1126 (3/22/69), J.H. Koeman, M.C. TenNoluer DeBrauw, & R.H. DeVos.	Reported as PCB ~ to Aroclor 1260, Phenchlor DP6 & Chlophen A60, ppb-ppm. Also reported the presence of tetra- & penta-chlorobenzene & of trichlorobiphenyl in a roach & eider sample, mostly $Cl_{4,5}$-Cl_8.	EC/GC on DC-200. Sample clean up DMF/HEX partition followed by L.C.C.(Fluorisil). Confirmed by GC/Mass (CH4).	Roach, groundling, mussel, sand eel, sandwich tern, eider.	Positive

MONS 072664

PCB LITERATURE REFERENCES

INFORMATION SOURCE	TYPE & LEVEL PCB REPORTED	ANALYTICAL TECHNIQUES REPORTED	MATRIX OF SPECIES ANAL. & LOCATION	VALIDITY
M.A.R.F. Institute Study of Lake Michigan - unpublished 9/69.	Reported as apparent PCB similar to Aroclors 1254-1260 ppt-ppb.	EC/GC on DC-200. Sample clean up, saponification followed by L.C.C. (Fluorosil).	Water, Fish & Plankton.	?
Progress Report to the Misc. Conservation Div., Dept. of Natural Resources for Research Contract on Chlorinated Organo Contaminants in Milwaukee River, G.F. Lee & G.D. Veith.	Reported as unidentified compounds possibly Aroclor 1248-1254, & 1260.	EC/GC on QF-1/OV-17, sample clean up L.C.C. (Fluorosil).	Water, Fish & Plankton.	?
Polychlorinated Biphenyls in the Global Eco System, Nature 220, 1098 (12/14/68), R.W. Risebrough, P.Rieche, D.B. Peakall, S.G. Herman, M.N. Kirven.	Reported as PCB type of Aroclor used as standard not stated. Aroclor 1262 mentioned in article ppb-ppm.	EC/GC on DC-200, QF-1 & SE-30/QF-1. Some microcoulometric work. Chemical treatments nitration & saponification.	Peregrine falcon(adult, juv. & egg). Eared grebe, Black petrel, Least petrel & eggs, Fish bat, Craveri's murrelet & eggs, Elegant tern eggs, Heermann's gull eggs, Adelie penguin eggs, Western grebe, Fulmar, Pink-footed shearwater, Ashy petrel, Brown pelican eggs, Frigate & eggs, Brown booby eggs, Brandts cormorant eggs, Pelagic cormorant eggs, Cinnamon teal, White-tailed kite eggs, Coopershawk, Golden eagle egg, Osprey, Meilin, American kestrel & eggs, Black-crowned night heron & eggs, Western gull eggs, Forster's tern eggs, Caspian tern eggs, Red phalarope, Common murre eggs, Cassin's auklet, (Continued)	?

MONS 072665

INFORMATION SOURCE	TYPE & LEVEL PCB REPORTED	ANALYTICAL TECHNIQUES REPORTED	MATRIX OF SPECIES ANAL. & LOCATION	VALIDITY
			(Continued) Ancient Murrelet, Rhinoceros auklet, Morning dove (N.D.), Barn owl eggs, Meadowlark, White crappie, Bluegill. Panama - Isla Pacheca & Isla Pachequilla in Gulf of Panama. California - Puget Sound, San Diego Bay, San Francisco Bay, Baja.	
DDT & PCB in Marine Animals from Swedish Waters, Nature 224, 247 (11/18/69), S. Jensen, A.G. Johnels, M. Olsson, G. Otterland.	Reported as PCB (Cl_5-Cl_8), low ppb to high ppm.	EC/GC (2 column) chemical treatment, saponification & extraction with sulfuric acid. Some GC/Mass.	Mussel, herring, plaice, picked dog fish, cod, salmon, grey seal, common seal, ringed seal, guillemot, white tailed eagle.	Positive

MONS 072666