Supporting Information

for

Polychlorinated biphenyls (PCBs) and hydroxylated polychlorinated biphenyls (OH-PCBs) in plasma of bottlenose dolphins (*Tursiops truncatus*) from the Western Atlantic and the Gulf of Mexico

Magali Houde[Δ†], *Grazina Pacepavicius*[†], *Randall S. Wells*[§], *Patricia A. Fair*[‡], *Robert J. Letcher*[#], *Mehran Alaee*[†], *Gregory D. Bossart*[∂], *Aleta A. Hohn*[‖], *Jay Sweeney*[¶@], *Keith R. Solomon* [Δ], *Derek C.G. Muir*[† Δ*]

[Δ]Department of Environmental Biology, University of Guelph, Guelph, Ontario, N1G 2W1, Canada

[†]Water Science and Technology Directorate, Environment Canada, 867 Lakeshore Road, Burlington, L7R 4A6, Ontario, Canada

[§]Chicago Zoological Society c/o Mote Marine Laboratory, 1600 Ken Thompson Parkway, Sarasota, Florida, 34236, United States

[‡]National Oceanic and Atmospheric Administration, National Ocean Service, Center for Coastal Environmental Health and Biomolecular Research, 219 Fort Johnson Road, Charleston, South Carolina, 29412-9110, United States

[#]Canadian Wildlife Service, National Wildlife Research Center, Environment Canada, Ottawa, Ontario, K1A 0H3, Canada

[∂]Harbor Branch Oceanographic Institution, 5600 US 1 North, Ft. Pierce, Florida, 34946, United States

[‖]National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Southeast Fisheries Science Center, 101 Pivers Island Rd. Beaufort, North Carolina, 28516, United States

[@]Dolphin Quest, 4467 Saratoga, San Diego, California, 92307, United States

*Corresponding author: Derek Muir, derek.muir@ec.gc.ca

SUMMARY OF THE SUPPORTING INFORMATION

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Table S1 Colorimetric method for lipid determination based on Frings et al. 1972

1. Plasma and blank samples (10µl) were transferred to a 15 ml centrifuge tube
2. Concentrated sulfuric acid (200µl) was added to each tube and the tubes were vortexed
3. Tubes were placed in a water bath for 10 minutes at 100ºC
4. Tubes were then cooled in ice cold water for 5 minutes
5. 10 ml of phospho-vanillin was added to each tube and the tubes were vortexed
6. Tubes were placed in a water bath for 15 minutes at 37ºC
7. Tubes were then cooled in ice water bath for 5 minutes
8. A small aliquot of each sample was transferred into a cuvette prior to measuring the absorbance at 540 nm using a spectrophotometer within 30 minutes.

Table S2 Number of chlorine (#Cl), molecular structures, names and primary/secondary ions of the hydroxylated polychlorinated biphenyls (OH-PCBs), for which commercial standards were available, analyzed in bottlenose dolphin plasma.

#Cl	Compound	Name	Primary Ion	Secondary Ion
1	4-OH-2-CB	4-OH-CB 1	218.0498	220.0472
1	2-OH-5-CB	2-OH-CB 2	218.0498	220.0472
1	4-OH-3-CB	4-OH-CB 2	218.0498	220.0472
2	2-OH-2',3'-diCB	2-OH-CB 5	252.0109	254.0081
2	2-OH-2',5'-diCB	2-OH-CB 9	252.0109	254.0081
2	3-OH-2',5'-diCB	3-OH-CB 9	252.0109	254.0081
2	4-OH-2',5'-diCB	4-OH-CB 9	252.0109	254.0081
2	2-OH-3',4'-diCB	2-OH-CB 12	252.0109	254.0081
2	3-OH-3,5-diCB	3-OH-CB 14	252.0109	254.0081
3	4-OH-2,2',5'-triCB	4-OH-CB 18	285.9719	287.9691
3	2-OH-2',5,5'-triCB	2-OH-CB 26	285.9719	287.9691
3	4-OH-2',3,5'-triCB	4-OH-CB 26	285.9719	287.9691
3	2-OH-2',4',6'-triCB	2-OH-CB 30	285.9719	287.9691
3	3-OH-2',4',6'-triCB	3-OH-CB 30	285.9719	287.9691
3	4-OH-2',4',6'-triCB	4-OH-CB 30	285.9719	287.9691
4	4-OH-2,2',4',6'-tetraCB	4-OH-CB 50	321.9301	323.9272
4	4-OH-2',3',5,5'-tetraCB	4-OH-CB 57	321.9301	323.9272
4	2-OH-2',3',4',5'-tetraCB	2-OH-CB 61	321.9301	323.9272
4	3-OH-2',3',4',5'-tetraCB	3-OH-CB 61	321.9301	323.9272
4	4-OH-2',3',4',5'-tetraCB	4-OH-CB 61	321.9301	323.9272
4	3-OH-2',3',5',6'-tetraCB	3-OH-CB 65	321.9301	323.9272
4	4-OH-2',3',5',6'-tetraCB	4-OH-CB 65	321.9301	323.9272
4	2-OH-2',3',5',6'-tetraCB	2-OH-CB 65	321.9301	323.9272
4	2-OH-2',4',5,6'-tetraCB	2-OH-CB 69	321.9301	323.9272
4	4-OH-2',3,4',6'-tetraCB	4-OH-CB 69	321.9301	323.9272
5	4-OH-2,2',3',4',5'-pentaCB	4-OH-CB 86	355.8911	357.8882
5	4-OH-2,2',4',5',6'-pentaCB	4-OH-CB 88	355.9811	357.8882
5	2-OH-2',3',4',5,5'-pentaCB	2-OH-CB 106	355.8911	357.8882
5	4-OH-2',3,3',4',5'-pentaCB	4-OH-CB 106	355.9811	357.8882
5	4-OH-2',3,3',4',5-pentaCB	4-OH-CB 107	355.8911	357.8882
5	2-OH-2',3',5,5',6'-pentaCB	2-OH-CB 112	355.9811	357.8882
5	4-OH-2',3,3',5',6'-pentaCB	4-OH-CB 112	355.9811	357.8882
5	3-OH-2,3',4,4',5-pentaCB	3-OH-CB 118	355.9811	357.8882
5	4-OH-2',3,4',5,6'-pentaCB	4-OH-CB 121	355.9811	357.8882
6	4-OH-2,2',3,3',4',5-hexaCB	4-OH-CB 130	389.8521	391.8492
6	3-OH-2,2',3',4,4',5-hexaCB	3-OH-CB 138	389.8521	391.8492
6	4-OH-2,2',3,4',5,5'-hexaCB	4-OH-CB 146	389.8521	391.8492

6	4-OH-2',3,3',4',5,5'-hexaCB	4-OH-CB 159	389.8521	391.8492
6	4-OH-2',3,3',5,5',6'-hexaCB	4-OH-CB 165	389.8521	391.8492
7	4-OH-2,2',3,3',4,5,5'-heptaCB	4-OH-CB 172	423.8131	425.8102
7	3-OH-2,2',3',4,4',5,5'-heptaCB	3-OH-CB 180	423.8131	425.8102
7	4-OH-2,2',3,4',5,5',6-heptaCB	4-OH-CB 187	423.8131	425.8102
7	4-OH-2,3,3',4',5,5',6-heptaCB	4-OH-CB 193	423.8131	425.8102
8	4-OH-2,2',3,3',5,5',6,6'-octaCB	4-OH-CB 202	459.7712	461.7683
8	4-4’-OH-2,2',3,3',5,5',6,6'-octaCB	4,4'-diOH-CB 202	490.7896	492.7868
9	4’-OH-2,2',3,3',4,5,5',6,6'-nonaCB	4'-OH-CB 208	493.7322	495.7244