Source apportionment of polychlorinated biphenyls in the tidal Delaware River

DOI: 10.1021/es703047a
Environmental Science & Technology, 2008, 42, 4044-51

#	Paper	IF	Citations
77	Passive air sampling of polychlorinated biphenyls and organochlorine pesticides at the Korean Arctic and Antarctic research stations: implications for long-range transport and local pollution. *Environmental Science & Technology*, **2008**, 42, 7125-31	10.3	141
76	Discovery of non-aroclor PCB (3,3'-dichlorobiphenyl) in Chicago air. *Environmental Science & Technology*, **2008**, 42, 7873-7	10.3	145
75	. **2009**,		14
74	Sources, Fate and Effects of Contaminant Emissions in Urban Areas. 171-207		
73	The Chemicals that will not Go Away: Implications for Human Exposure to Reservoirs of POPs. 241-270		2
72	Partial pressures of PCB-11 in air from several Great Lakes sites. *Environmental Science & Technology*, **2009**, 43, 6488-92	10.3	47
71	Congener fingerprints of tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans in Baltic surface sediments and their relations to potential sources. *Chemosphere*, **2009**, 77, 612-20	8.4	38
70	Passive air sampling for polychlorinated biphenyls in the Philadelphia metropolitan area. *Environmental Science & Technology*, **2009**, 43, 1287-92	10.3	60
69	PCDD/F source apportionment in the Baltic Sea using positive matrix factorization. *Environmental Science & Technology*, **2010**, 44, 1690-7	10.3	47
68	Evidence for widespread dechlorination of polychlorinated biphenyls in groundwater, landfills, and wastewater collection systems. *Environmental Science & Technology*, **2010**, 44, 7534-40	10.3	68
67	Quantitative source apportionment of PAHs in sediments of Little Menomonee River, Wisconsin: weathered creosote versus urban background. *Environmental Science & Technology*, **2010**, 44, 2932-9	10.3	70
66	Evidence for unique and ubiquitous environmental sources of 3,3'-dichlorobiphenyl (PCB 11). *Environmental Science & Technology*, **2010**, 44, 2816-21	10.3	119
65	A comparative study of two factor analytic models applied to PAH data from inhalable air particulate collected in an urban-industrial environment. *Journal of Environmental Monitoring*, **2010**, 12, 425-33		12
64	PCBs in Great Lakes sediments, determined by positive matrix factorization. *Journal of Great Lakes Research*, **2011**, 37, 54-63	3	16
63	Sedimentary Records of Non-Aroclor and Aroclor PCB mixtures in the Great Lakes. *Journal of Great Lakes Research*, **2011**, 37, 359-364	3	48
62	Measurement and Modeling of Semivolatile Organic Compounds in Local Atmospheres. **2011**, 149-184		
61	PCB dry and wet weather concentration and load comparisons in Houston-area urban channels. *Science of the Total Environment*, **2011**, 409, 1867-88	10.2	13

60	Source apportionment of polychlorinated biphenyls in the New York/New Jersey Harbor. *Chemosphere*, **2011**, 83, 792-8	8.4	49
59	Chemical Introductions to Estuarine and Coastal Systems. **2011**, 43-70		
58	Nationwide PCB congener pattern analysis in freshwater fish samples in France. *Knowledge and Management of Aquatic Ecosystems*, **2012**, 07	1.4	2
57	Source apportionment of trace element pollution in surface sediments using positive matrix factorization combined support vector machines: application to the Jinjiang River, China. *Biological Trace Element Research*, **2013**, 151, 462-70	4.5	18
56	Source apportionment of polychlorinated biphenyls in Chicago air from 1996 to 2007. *Environmental Science & Technology*, **2013**, 47, 3774-80	10.3	27
55	Tracking polychlorinated biphenyls (PCBs) congener patterns in Newark Bay surface sediment using principal component analysis (PCA) and positive matrix factorization (PMF). *Journal of Hazardous Materials*, **2013**, 260, 634-43	12.8	32
54	Reproductive demographics, intersex, and altered hormone levels in shortnose sturgeon, Acipenser brevirostrum, from Delaware River, USA. *Journal of Applied Ichthyology*, **2013**, 29, 299-309	0.9	7
53	Source apportionment of polychlorinated biphenyls in the sediments of the Delaware River. *Environmental Science & Technology*, **2013**, 47, 4277-83	10.3	51
52	Concentration levels and congener profiles of polychlorinated biphenyls, pentachlorobenzene, and hexachlorobenzene in commercial pigments. *Environmental Science and Pollution Research*, **2014**, 21, 998-1009	5.1	81
51	Atmospheric Fate and Behavior of POPs. **2014**, 199-289		11
50	Global distribution and local impacts of inadvertently generated polychlorinated biphenyls in pigments. *Environmental Science & Technology*, **2014**, 48, 8573-80	10.3	51
49	Polychlorinated biphenyls in pigments: inadvertent production and environmental significance. *Coloration Technology*, **2015**, 131, 353-369	2	21
48	Principal Components Analysis and Receptor Models in Environmental Forensics. **2015**, 609-653		11
47	Polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) in sediments of Liaohe River: levels, spatial and temporal distribution, possible sources, and inventory. *Environmental Science and Pollution Research*, **2015**, 22, 4256-64	5.1	37
46	Application of positive matrix factorization to source apportionment of surface water quality of the Daliao River basin, northeast China. *Environmental Monitoring and Assessment*, **2015**, 187, 80	3.1	21
45	Microbial dechlorination of polychlorinated biphenyls, dibenzo-p-dioxins, and -furans at the Portland Harbor Superfund site, Oregon, USA. *Environmental Science & Technology*, **2015**, 49, 7227-35	10.3	19
44	Human Serum from Urban and Rural Adolescents and Their Mothers Shows Exposure to Polychlorinated Biphenyls Not Found in Commercial Mixtures. *Environmental Science & Technology*, **2015**, 49, 8105-12	10.3	51
43	Spatial Distribution, Air-Water Fugacity Ratios and Source Apportionment of Polychlorinated Biphenyls in the Lower Great Lakes Basin. *Environmental Science & Technology*, **2015**, 49, 13787-97	10.3	36

42	Polychlorinated biphenyl contamination of paints containing polycyclic- and Naphthol AS-type pigments. *Environmental Science and Pollution Research*, **2015**, 22, 14478-88	5.1	38
41	The qualitative and quantitative source apportionments of polycyclic aromatic hydrocarbons in size dependent road deposited sediment. *Science of the Total Environment*, **2015**, 505, 90-101	10.2	37
40	Occurrence, spatial distribution, sources, and risks of polychlorinated biphenyls and heavy metals in surface sediments from a large eutrophic Chinese lake (Lake Chaohu). *Environmental Science and Pollution Research*, **2016**, 23, 10335-10348	5.1	29
39	Estimation of Polychlorinated Biphenyl Sources in Industrial Port Sediments Using a Bayesian Semifactor Model Considering Unidentified Sources. *Environmental Science & Technology*, **2016**, 50, 765-71	10.3	15
38	An overlooked environmental issue? A review of the inadvertent formation of PCB-11 and other PCB congeners and their occurrence in consumer products and in the environment. *Science of the Total Environment*, **2016**, 541, 1463-1476	10.2	64
37	Historical sources of polychlorinated biphenyls to the sediment of the New York/New Jersey Harbor. *Chemosphere*, **2017**, 169, 450-459	8.4	20
36	Positive Matrix Factorization dynamics in fingerprinting: A comparative study of PMF2 and EPA-PMF3 for source apportionment of sediment polychlorinated biphenyls. *Environmental Pollution*, **2017**, 220, 20-28	9.3	7
35	Polychlorinated biphenyl and polybrominated diphenyl ether profiles in serum from cattle, sheep, and goats across California. *Chemosphere*, **2017**, 181, 63-73	8.4	19
34	Source Apportionment of Atmospheric Polychlorinated Biphenyls in New Jersey 1997-2011. *Environmental Science & Technology*, **2017**, 51, 1195-1202	10.3	10
33	Detection of 3,3'-Dichlorobiphenyl in Human Maternal Plasma and Its Effects on Axonal and Dendritic Growth in Primary Rat Neurons. *Toxicological Sciences*, **2017**, 158, 401-411	4.4	40
32	Polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in urban soils of Glasgow, UK. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, **2017**, 108, 231-247	0.9	6
31	PAH, PCB, TPH and mercury in surface sediments of the Delaware River Estuary and Delmarva Peninsula, USA. *Marine Pollution Bulletin*, **2018**, 129, 835-845	6.7	27
30	3,3'-Dichlorobiphenyl (PCB 11) promotes dendritic arborization in primary rat cortical neurons via a CREB-dependent mechanism. *Archives of Toxicology*, **2018**, 92, 3337-3345	5.8	15
29	Species and Sex Differences in the Morphogenic Response of Primary Rodent Neurons to 3,3'-Dichlorobiphenyl (PCB 11). *Toxics*, **2017**, 6,	4.7	15
28	Using positive matrix factorization to investigate microbial dehalogenation of chlorinated benzenes in groundwater at a historically contaminated site. *Chemosphere*, **2018**, 211, 515-523	8.4	5
27	The emerging contaminant 3,3'-dichlorobiphenyl (PCB-11) impedes Ahr activation and Cyp1a activity to modify embryotoxicity of Ahr ligands in the zebrafish embryo model (Danio rerio). *Environmental Pollution*, **2019**, 254, 113027	9.3	9
26	Evaluation of the effectiveness of different indicator PCBs to estimating total PCB concentrations in environmental investigations. *Chemosphere*, **2019**, 237, 124429	8.4	18
25	New unintentionally produced PCBs in the Arctic. *Emerging Contaminants*, **2019**, 5, 9-14	5.8	22

24	Source Apportionment of Polychlorinated Biphenyls in Atmospheric Deposition in the Seattle, WA, USA Area Measured with Method 1668. *Archives of Environmental Contamination and Toxicology*, **2019**, 77, 188-196	3.2	3
23	Alterations in fingerprints of polychlorinated biphenyls in benthic biota at the Portland Harbor Superfund Site (Oregon, USA) suggest metabolism. *Chemosphere*, **2019**, 223, 74-82	8.4	6
22	Positive Matrix Factorization analysis shows dechlorination of polychlorinated biphenyls during domestic wastewater collection and treatment. *Chemosphere*, **2019**, 216, 289-296	8.4	3
21	Evidence for Major Contributions of Unintentionally Produced PCBs in the Air of China: Implications for the National Source Inventory. *Environmental Science & Technology*, **2020**, 54, 2163-2171	10.3	32
20	Sources of polychlorinated biphenyl blank contamination and their impact on fingerprinting. *Environmental Forensics*, **2020**, 21, 99-112	1.6	5
19	Atmospheric polychlorinated biphenyls from an urban site near informal electronic waste recycling area and a suburban site of Chennai city, India. *Science of the Total Environment*, **2020**, 710, 135526	10.2	5
18	Concentration of polychlorinated biphenyls in serum from New Jersey biomonitoring study: 2016-2018. *Chemosphere*, **2020**, 261, 127730	8.4	4
17	Signal Processing Methods to Interpret Polychlorinated Biphenyls in Airborne Samples. *IEEE Access*, **2020**, 8, 147738-147755	3.5	1
16	Chemometrics for environmental monitoring: a review. *Analytical Methods*, **2020**, 12, 4597-4620	3.2	13
15	Sources of polychlorinated biphenyls to Upper Hudson River sediment post-dredging. *Chemosphere* , **2020**, 259, 127438	8.4	5
14	Unintentionally produced polychlorinated biphenyls in pigments: An updated review on their formation, emission sources, contamination status, and toxic effects. *Science of the Total Environment*, **2021**, 755, 142504	10.2	16
13	Distribution and Sources of Polychlorinated Biphenyls in Air, Dust, and Sediment from India. *Journal of Hazardous, Toxic, and Radioactive Waste*, **2021**, 25, 05020004	2.3	2
12	Temporal Trends and Sources of PCBs in Mollusks from the Bohai Sea between 2011 and 2018. *ACS ES&T Water*, **2021**, 1, 1587-1595		
11	Room-to-Room Variability of Airborne Polychlorinated Biphenyls in Schools and the Application of Air Sampling for Targeted Source Evaluation. *Environmental Science & Technology*, **2021**, 55, 9460-9468	10.3	3
10	Source apportionment of perfluoroalkyl substances in Great Lakes fish. *Environmental Pollution*, **2021**, 290, 118047	9.3	3
9	Effect of membrane filtration on the fate of polychlorinated biphenyls in wastewater treatment. *Chemosphere*, **2022**, 287, 132335	8.4	0
8	Distinguishing Aroclor and non-Aroclor sources to Chicago Air.. *Science of the Total Environment*, **2022**, 153263	10.2	0
7	Legacy halogenated organic contaminants in urban-influenced waters using passive polyethylene samplers: Emerging evidence of anthropogenic land-use-based sources and ecological risks.. *Environmental Pollution*, **2022**, 298, 118854	9.3	0

6	Letter to the Editor regarding Distinguishing Aroclor and non-Aroclor sources to Chicago Air by Jahnke et al. (2022). **2022**, 842, 157387	
5	A review of the mechanisms of by-product PCB formation in pigments, dyes and paints. **2022**, 852, 158529	1
4	Determination of the gas/particle phase concentrations of PCBs in urban and rural atmosphere in Erzurum, Turkey. **2022**, 194,	0
3	Sources of polychlorinated biphenyls to Upper Hudson River fish post-dredging. **2022**, 136742	0
2	Towards Understanding Underwater Weather Events in Rivers Using Autonomous Surface Vehicles. **2022**,	0
1	Source apportionment of polycyclic aromatic hydrocarbons in New York/New Jersey Harbour sediment.	0