

AMAP. (2009a). *AMAP Assessment 2009: Human health in the Arctic*. Oslo: Arctic monitoring and assessment programme.

AMAP. (2009b). *Arctic pollution 2009*. Oslo: Arctic monitoring and assessment programme.

Anonymous. (1966). Report of a new chemical hazard. *New Science*, 32, 612.

Anonymous. (2003). *Dioxins and PCBs in four commercially important pelagic fish stocks in the North East Atlantic. NORA project report 1-57*. from http://www.sf.is/attachments/045_Nora-lokaskyrsla.pdf

AOCS Official Method Ba 3-38 and application note Tecator no AN 301, (1997).

Asmundsdottir, A. & Gunnlaugsdottir, H. (2006). *Undesirable substances in seafood products - results from the monitoring activities in 2005*. Reykjavik: The Icelandic Fisheries Laboratories.

ATSDR. (2002). *Toxicological profile for HCB*. Atlanta, GA: U.S. Department of Health and Human Services, Public health services. Report.

Auðunsson, G. A. (1999). The effect of nutritional status of Icelandic cod (*Gadus morhua*) on macroconstituents and trace elements in the liver. *Rit Fiskideildar*, 16 111-129.

Baevens, W., Leermakers, M., Elskens, M., Van Larebeke, N., De Bont, R., Vanderperren, H., Fontaine, A., Degroodt, J. M., Goeyens, L., Hanot, V. & Windal, I. (2007). PCBs and PCDD/FS in fish and fish products and their impact on the human body burden in belgium. *Archives of Environmental Contamination and Toxicology*, 52 (4), 563-571.

Bailey, R. E. (2001). Global hexachlorobenzene emissions. *Chemosphere*, 43 (2), 167-182.

Baird, C. & Cann, M. (2005). *Environmental Chemistry, third edition*. New York: W. H. Freeman and Company.

Ballschmiter, K. & Zell, M. (1980). Analysis of polychlorinated-biphenyls (PCB) by glass-capillary gas-chromatography - composition of technical aroclor-PCB and clophen-pcb mixtures. *Fresenius Zeitschrift Fur Analytische Chemie*, 302 (1), 20-31.

Barber, J. L., Sweetman, A. J., van Wijk, D. & Jones, K. C. (2005). Hexachlorobenzene in the global environment: Emissions, levels, distribution, trends and processes. *Science of the Total Environment*, 349 (1-3), 1-44.

Barrie, L. A., Gregor, D., Hargrave, B., Lake, R., Muir, D., Shearer, R., Tracey, B. & Bidleman, T. (1992). Arctic contaminants - sources, occurrence and pathways. *Science of the Total Environment*, 122 (1-2), 1-74.

Borja, J., Taleon, D. M., Auresenia, J. & Gallardo, S. (2005). Polychlorinated biphenyls and their biodegradation. *Process Biochemistry*, 40 (6), 1999-2013.

Breivik, K., Alcock, R., Li, Y. F., Bailey, R. E., Fiedler, H. & Pacyna, J. M. (2004). Primary sources of selected POPs: regional and global scale emission inventories. *Environmental Pollution*, 128 (1-2), 3-16.

Burkow, I. C. & Kallenborn, R. (2000). Sources and transport of persistent pollutants to the Arctic. *Toxicology Letters*, 112 87-92.

Buser, H. R., Haglund, P., Muller, M. D., Poiger, T. & Rappe, C. (2000). Discrimination and thermal degradation of toxaphene compounds in capillary gas chromatography when using split/splitless and on-column injection. *Chemosphere*, 41 (4), 473-479.

Byrne, J. J., Reineke, E. P., Ringer, R. K. & Aulerich, R. (1975). Influences of polychlorinated biphenyl mixture (Aroclor 1254) administration on reproduction and thyroid-function in mink (*Mustela vison*). *Federation Proceedings*, 34 (3), 321-321.

Carson, R. (1962). *Silent spring*. Boston: Houghton Mifflin.

Cleemann, M., Riget, F., Paulsen, G. B., Klungsoyr, J. & Dietz, R. (2000). Organochlorines in Greenland marine fish, mussels and sediments. *Science of the Total Environment*, 245 (1-3), 87-102.

Dabrowska, H., Bernard, E., Barska, I. & Radtke, K. (2009). Inter-tissue distribution and evaluation of potential toxicity of PCBs in Baltic cod (*Gadus morhua L.*). *Ecotoxicology and Environmental Safety*, 72 (7), 1975-1984.

Darnerud, P. O., Atuma, S., Aune, M., Bjerselius, R., Glynn, A., Grawe, K. P. & Becker, W. (2006). Dietary intake estimations of organohalogen contaminants (dioxins, PCB, PBDE and chlorinated pesticides, e.g. DDT) based on Swedish market basket data. *Food and Chemical Toxicology*, 44 (9), 1597-1606.

de Boer, J. & Law, R. J. (2003). Developments in the use of chromatographic techniques in marine laboratories for the determination of halogenated contaminants and polycyclic aromatic hydrocarbons. *Journal of chromatography A*, 223-251.

De Guise, S., Martineau, D., Beland, P. & Fournier, M. (1995). Possible mechanisms of action of environmental contaminants on St-Lawrence beluga whales (*Delphinapterus-leucas*). *Environmental Health Perspectives*, 103 73-77.

- Eggesbo, M., Stigum, H., Longnecker, M. P., Polder, A., Aldrin, M., Basso, O., Thomsen, C., Skaare, J. U., Becher, G. & Magnus, P. (2009). Levels of hexachlorobenzene (HCB) in breast milk in relation to birth weight in a Norwegian cohort. *Environmental Research*, 109 (5), 559-566.
- EPA. (2009, 24 March). Polychlorinated biphenyls (PCBs). Retrieved 1 September, 2010, from <http://www.epa.gov/wastes/hazard/tsd/pcbs/pubs/about.htm>
- EPA. (2010a, 16 March). Hexachlorobenzene. Retrieved 23 August, 2010, from <http://www.epa.gov/NCEA/iris/subst/0374.htm>
- EPA. (2010b, 16 March). Toxaphene. Retrieved 23 August, 2010, from <http://www.epa.gov/ncea/iris/subst/0346.htm>
- Erickson, M. D. (1997). *Analytical Chemistry of PCBs, second edition*. Florida: Lewis publishers.
- Eskenazi, B., Chevrier, J., Rosas, L. G., Anderson, H. A., Bornman, M. S., Bouwman, H., Chen, A. M., Cohn, B. A., de Jager, C., Henshel, D. S., Leipzig, F., Leipzig, J. S., Lorenz, E. C., Snedeker, S. M. & Stapleton, D. (2009). The Pine River Statement: Human Health Consequences of DDT Use. *Environmental Health Perspectives*, 117 (9), 1359-1367.
- Fromberg, A., Granby, K., Hojgard, A., Fagt, S. & Larsen, J. C. (2011). Estimation of dietary intake of PCB and organochlorine pesticides for children and adults. *Food Chemistry*, 125 (4), 1179-1187.
- Green, N. W. & Knutzen, J. (2003). Organohalogens and metals in marine fish and mussels and some relationships to biological variables at reference localities in Norway. *Marine Pollution Bulletin*, 46 (3), 362-374.
- Gunnlaugsdottir, H., Vidarsson, J. R., Asmundsdottir, A. M., Garate, C., Jorundsdottir, H., Jonsdottir, I. G., Arason, S., Baldursdottir, V., Sigurdsson, T. & Margeirsson, S. (2010). *Factors influencing the quality and value of the Icelandic cod; a value chain perspective* (No. 31-10). Reykjavik: Matis ltd.
- Hall, A. J., Law, R. J., Wells, D. E., Harwood, J., Ross, H. M., Kennedy, S., Allchin, C. R., Campbell, L. A. & Pomeroy, P. P. (1992). Organochlorine levels in common seals (*Phoca-vitulina*) which were victims and survivors of the 1988 phocine distemper epizootic. *Science of the Total Environment*, 115 (1-2), 145-162.
- Helander, B., Bignert, A. & Asplund, L. (2008). Using raptors as environmental sentinels: Monitoring the white-tailed sea eagle *Haliaeetus albicilla* in Sweden. *Ambio*, 37 (6), 425-431.

Helander, B., Olsson, A., Bignert, A., Asplund, L. & Litzen, K. (2002). The role of DDE, PCB, coplanar PCB and eggshell parameters for reproduction in the white-tailed sea eagle (*Haliaeetus albicilla*) in Sweden. *Ambio*, 31 (5), 386-403.

Hutzinger, O., Paasivirta, J., Vetter, W. & Oehme, M. (2000). Toxaphene. Analysis and Environmental Fate of Congeners. In *Volume 3 Anthropogenic Compounds Part K* (Vol. 3K, pp. 237-287): Springer Berlin / Heidelberg.

Hutzinger, O., Safe, S. & Zitko, V. (1974). *Chemistry of PCBs*. Cleveland, Ohio: CRC Press, Inc.

IARC. (1998). *IARC monographs on the evaluation of carcinogenic risks to humans. Polychlorinated biphenyl and polybrominated biphenyls*. Retrieved 24 November 2010, from <http://monographs.iarc.fr/ENG/Monographs/vol18/volume18.pdf>

IARC. (2001). *IARC monographs on the evaluation of carcinogenic risks to humans*. Retrieved 24 August 2010, from <http://monographs.iarc.fr/ENG/Monographs/vol79/index.php>

Ishikawa, Y., Noma, Y., Mori, Y. & Sakai, S. (2007). Congener profiles of PCB and a proposed new set of indicator congeners. *Chemosphere*, 67 (9), 1838-1851.

Jacobson, J. L., Jacobson, S. W. & Humphrey, H. E. B. (1990). Effects of inutero exposure to polychlorinated-biphenyls and related contaminants on cognitive-functioning in young-children. *Journal of Pediatrics*, 116 (1), 38-45.

Jensen, S., Johnels, A. G., Olsson, M. & Otterlin.G. (1972). DDT and PCB in herring and cod from the Baltic, the Kattegat and the Skagerrak. *Ambio Special Report*, 1, 71-85.

Jenssen, B. M., Aarnes, J. B., Murvoll, K. M., Herzke, D. & Nygard, T. (2010). Fluctuating wing asymmetry and hepatic concentrations of persistent organic pollutants are associated in European shag (*Phalacrocorax aristotelis*) chicks. *Science of the Total Environment*, 408 (3), 578-585.

JMPR. (2000). *Joint FAO/WHO meeting on pesticides residues; 2000. Report*. Atlanta, GA: U.S. Department of Health and Human Services, Public health services. Report.

Jorundsdottir, H., Bignert, A., Svavarsson, J., Nygard, T., Weihe, P. & Bergman, A. (2009a). Assessment of emerging and traditional halogenated contaminants in Guillemot (*Uria aalge*) egg from North-Western Europe and the Baltic Sea. *Science of the Total Environment*, 407 (13), 4174-4183.

Jorundsdottir, H., Lofstrand, K., Svavarsson, J., Bignert, A. & Bergman, A. (2010a). Organochlorine Compounds and Their Metabolites in Seven Icelandic Seabird Species - a Comparative Study. *Environmental Science & Technology*, 44 (9), 3252-3259.

Jorundsdottir, H. O., Desnica, N., Gudjonsdottir, S. H., Ragnarsdottir, T. & Gunnlaugsdottir, H. (2010b). *Monitoring of the marine biosphere around Iceland 2008 and 2009* (No. 30-10). Reykjavik: Matis ltd.

Jorundsdottir, H. O., Desnica, N., Ragnarsdottir, T. & Gunnlaugsdottir, H. (2010c). *Undesirable substances in seafood products. Results from the Icelandic marine monitoring activities year 2009* (No. 38-10). Reykjavik: Matis ltd.

Jorundsdottir, H. O., Hauksdottir, K., Desnica, N. & Gunnlaugsdottir, H. (2010d). *Undesirable substances in seafood products. Results from the Icelandic marine monitoring activities year 2008* (No. 16-10). Reykjavik: Matis ltd.

Jorundsdottir, H. O., Rabieh, S. & Gunnlaugsdottir, H. (2009b). *Undesirable substances in seafood products. Results from the monitoring activities in 2007* (No. 28-09). Reykjavik: Matis ltd.

Karl, H., Khandker, S. & Alder, L. (1999). Variation of toxaphene indicator compounds in fish from single fishing grounds: Conclusions for sampling. *Chemosphere*, 39 (14), 2497-2506.

Lahvis, G. P., Wells, R. S., Kuehl, D. W., Stewart, J. L., Rhinehart, H. L. & Via, C. S. (1995). Decreased lymphocyte-responses in free-ranging bottle-nosed dolphins (*Tursiops-truncatus*) are associated with increased concentrations of PCBs and DDT in peripheral-blood. *Environmental Health Perspectives*, 103 67-72.

Li, Y. F. (2001). Toxaphene in the United States 1. Usage gridding. *Journal of Geophysical Research-Atmospheres*, 106 (D16), 17919-17927.

Li, Y. F. & Macdonald, R. W. (2005). Sources and pathways of selected organochlorine pesticides to the Arctic and the effect of pathway divergence on HCH trends in biota: a review. *Science of the Total Environment*, 342 (1-3), 87-106.

Lillie, R. J., Cecil, H. C., Bitman, J. & Fries, G. F. (1974). Differences in response of caged white leghorn layers to various polychlorinated biphenyls (PCBs) in diet. *Poultry Science*, 53 (2), 726-732.

Liu, C. Y., Jiang, X., Yang, X. L. & Song, Y. (2010). Hexachlorobenzene dechlorination as affected by organic fertilizer and urea applications in two rice planted paddy soils in a pot experiment. *Science of the Total Environment*, 408 (4), 958-964.

- Lofstrand, K., Jorundsdottir, H., Tomy, G., Svavarsson, J., Weihe, P., Nygard, T. & Bergman, A. (2008). Spatial trends of polyfluorinated compounds in guillemot (*Uria aalge*) eggs from North-Western Europe. *Chemosphere*, 72 (10), 1475-1480.
- Lohmann, R., Breivik, K., Dachs, J. & Muir, D. (2007). Global fate of POPs: Current and future research directions. *Environmental Pollution*, 150 (1), 150-165.
- Louis, G. M. B., Weiner, J. M., Whitcomb, B. W., Sperrazza, R., Schisterman, E. F., Lobdell, D. T., Crickard, K., Greizerstein, H. & Kostyniak, P. J. (2005). Environmental PCB exposure and risk of endometriosis. *Human Reproduction*, 20 (1), 279-285.
- Mackay, D. & Fraser, A. (2000). Bioaccumulation of persistent organic chemicals: mechanisms and models. *Environmental Pollution*, 110 (3), 375-391.
- Maervoet, J., Chu, S. G., De Vos, S., Covaci, A., Voorspoels, S., De Schrijver, R. & Schepens, P. (2004). Accumulation and tissue distribution of selected polychlorinated biphenyl congeners in chickens. *Chemosphere*, 57 (1), 61-66.
- Magnusdottir, E. V., Thorsteinsson, T., Thorsteinsdottir, S., Heimisdottir, M. & Olafsdottir, K. (2005). Persistent organochlorines, sedentary occupation, obesity and human male subfertility. *Human Reproduction*, 20 (1), 208-215.
- Ministry for the Environment. (2004, February 18th). *Alþjóðlegur samningur um þrávirk lífræn efni tekur gildi*, from <http://www.umhverfisraduneyti.is/frettir/nr/464>
- Monosson, E., Fleming, W. J. & Sullivan, C. V. (1994). Effects of the planar PCB 3,3',4,4'-tetrachlorobiphenyl (TCB) on ovarian development, plasma-levels of sex steroid-hormones and vitellogenin, and progeny survival in the white perch (*Morone-americana*). *Aquatic Toxicology*, 29 (1-2), 1-19.
- Muir, D. & Sverko, E. (2006). Analytical methods for PCBs and organochlorine pesticides in environmental monitoring and surveillance: a critical appraisal. *Analytical and Bioanalytical Chemistry*, 386 (4), 769-789.
- Olafsdottir, K., Petersen, A. E., Magnusdottir, E. V., Bjornsson, T. & Johannesson, T. (2001). Persistent organochlorine levels in six prey species of the gyrfalcon *Falco rusticolus* in Iceland. *Environmental Pollution*, 112 (2), 245-251.
- Olafsdottir, K., Petersen, A. E., Magnusdottir, E. V., Bjornsson, T. & Johannesson, T. (2005). Temporal trends of organochlorine contamination in Black Guillemots in Iceland from 1976 to 1996. *Environmental Pollution*, 133 (3), 509-515.

Olafsdottir, K., Petersen, A. E., Thordardottir, S. & Johannesson, T. (1995). Organochlorine residues in gyrfalcons (*Falco-rusticulus*) in Iceland. *Bulletin of Environmental Contamination and Toxicology*, 55 (3), 382-389.

Olafsdottir, K., Skirnisson, K., Gylfadottir, G. & Johannesson, T. (1998). Seasonal fluctuations of organochlorine levels in the common elder (*Somateria mollissima*) in Iceland. *Environmental Pollution*, 103 (2-3), 153-158.

Paasivirta, J., Sinkkonen, S., Nikiforov, V., Kryuchkov, F., Kolehmainen, E., Laihia, K., Valkonen, A. & Lahtinen, M. (2009). Long-range atmospheric transport of three toxaphene congeners across Europe. Modeling by chained single-box FATEMOD program. *Environmental Science and Pollution Research*, 16 (2), 191-205.

Perelló, G., Martí-Cid, R., Castell, V., Llobet, J. M. & Domingo, J. L. (2009). Concentrations of polybrominated diphenyl ethers, hexachlorobenzene and polycyclic aromatic hydrocarbons in various foodstuffs before and after cooking. *Food and Chemical Toxicology*, 47 (4), 709-715.

Perelló, G., Martí-Cid, R., Castell, V., Llobet, J. M. & Domingo, J. L. (2010). Influence of various cooking processes on the concentrations of PCDD/PCDFs, PCBs and PCDEs in foods. *Food Control*, 21 (2), 178-185.

Polder, A., Savinova, T. N., Tkachev, A., Loken, K. B., Odland, J. O. & Skaare, J. U. (2010). Levels and patterns of Persistent Organic Pollutants (POPs) in selected food items from Northwest Russia (1998-2002) and implications for dietary exposure. *Science of the Total Environment*, 408 (22), 5352-5361.

Rabieh, S., Schmeisser, E., Yngvadóttir, E., Jónsdóttir, I., Ragnarsdóttir, u. & Gunnlaugsdóttir, H. (2007). *Monitoring of the marine biosphere around Iceland in 2005 - 2006*. Reykjavík: Matís ohf.

Reglugerð um (2.) breytingu á reglugerð nr. 411/2004 um ýmis aðskotaefni í matvælum, nr. 269/2010.

Reglugerð um (3.) breytingu á reglugerð nr. 672/2008 um hámarksgildi varnarefnaleifa í matvælum og fóðri, nr. 758/2010.

Reglugerð um breytingu á reglugerð nr. 411/2004 um ýmis aðskotaefni í matvælum, nr. 056/2005.

Reglugerð um hámarksgildi varnarefnaleifa í matvælum og fóðri, nr. 672/2008.

- Ribas-Fito, N., Sala, M., Kogevinas, M. & Sunyer, J. (2001). Polychlorinated biphenyls (PCBs) and neurological development in children: a systematic review. *Journal of Epidemiology and Community Health*, 55 (8), 537-546.
- Riget, F., Bignert, A., Braune, B., Stow, J. & Wilson, S. (2010). Temporal trends of legacy POPs in Arctic biota, an update. *Science of the Total Environment*, 408 (15), 2874-2884.
- Romkes, M., Piskorskapliszczynska, J. & Safe, S. (1987). Effects of 2,3,7,8-tetrachlorodibenzo-para-dioxin on hepatic and uterine estrogen-receptor levels in rats. *Toxicology and Applied Pharmacology*, 87 (2), 306-314.
- Sherer, R. A. & Price, P. S. (1993). The effect of cooking processes on PCB levels in edible fish tissue. *Quality assurance: Good practice, regulation and law*, 2 (4), 396-407.
- Sinkkonen, S. & Paasivirta, J. (2000). Degradation half-life times of PCDDs, PCDFs and PCBs for environmental fate modeling. *Chemosphere*, 40 (9-11), 943-949.
- Skaftason, J. F. & Johannesson, T. (1979). Organochlorine compounds (ddt, hexachlorocyclohexane, hexachlorobenzene) in Icelandic animal body-fat and butter fat - local and global sources of contamination. *Acta Pharmacologica Et Toxicologica*, 44 (2), 156-157.
- Skaftason, J. F. & Johannesson, T. (1982). Organochlorine compounds in Icelandic lake trout and salmon fry - local and global sources of contamination. *Acta Pharmacologica Et Toxicologica*, 51 (4), 397-400.
- Steingrimsdottir, L., Thorgeirsdottir, H. & Olafsdottir, A. S. (2003). *The Diet of Icelanders. Dietary Survey of the Icelandic Nutrition Council 2002. Main findings.* from <http://www.lydheilsustod.is/media/manneldi/rannsoknir/skyrsla.pdf>
- Stockholm Convention on Persistent Organic Pollutants. Retrieved 10th January, 2010, from <http://chm.pops.int/Home/tabid/36/language/en-US/Default.aspx>
- Swackhamer, D. L. & Trowbridge, A. G. (1996). *Standard operating procedure for the analysis of PCB congeners by GC/ECD and Trans-nonachlor by GC/MS/ECNI*. Minneapolis: University of Minnesota.
- Szlinder-Richert, J., Barska, I., Mazerski, J. & Usydus, Z. (2009). PCBs in fish from the southern Baltic Sea: Levels, bioaccumulation features, and temporal trends during the period from 1997 to 2006. *Marine Pollution Bulletin*, 58 (1), 85-92.
- UNEP. (1999). *Guidelines for the identification of PCBs and materials containing PCBs*.

- Vetter, W., Hummert, K., Luckas, B. & Skirnsson, K. (1995). Organochlorine residues in 2 seal species from Western Iceland. *Science of the Total Environment*, 170 (3), 159-164.
- Vetter, W. & Luckas, B. (1995). Theoretical aspects of polychlorinated bornanes and the composition of toxaphene in technical mixtures and environmental-samples. *Science of the Total Environment*, 160-61, 505-510.
- Voldner, E. C. & Li, Y. F. (1995). Global usage of selected persistent organochlorines. *Science of the Total Environment*, 160-61, 201-210.
- Wania, F., Haugen, J. E., Lei, Y. D. & Mackay, D. (1998). Temperature dependence of atmospheric concentrations of semivolatile organic compounds. *Environmental Science & Technology*, 32 (8), 1013-1021.
- Wania, F. & Mackay, D. (1993). Global fractionation and cold condensation of low volatility organochlorine compounds in polar-regions. *Ambio*, 22 (1), 10-18.
- Wells, D. E., Chiffolleau, J. F. & Klungsoyr, J. (1997). QUASIMEME: a preliminary study on the effects of sample handling on the measurement of trace metals and organochlorine residues in mussels. *Marine Pollution Bulletin*, 35 (1-6), 109-124.
- WHO. (1979). *Environmental health criteria 9. DDT and its Derivatives*. Geneva: World Health Organization.
- WHO. (1993). *Environmental health criteria 140. Polychlorinated biphenyls and terphenyls*. Geneva: World Health Organization.
- WHO. (1997). *Environmental health criteria 195. Hexachlorobenzene*. Geneva: World Health Organization.
- Wisk, J. D. & Cooper, K. R. (1990). Comparison of the toxicity of several polychlorinated dibenzo-para-dioxins and 2,3,7,8-tetrachlorodibenzofuran in embryos of the Japanese medaka (*Oryzias-latipes*) *Chemosphere*, 20 (3-4), 361-377.
- Wren, C. D. (1991). Cause-effect linkages between chemicals and populations of mink (*Mustela-vison*) and otter (*Lutra-canadensis*) in the Great-Lakes Basin. *Journal of Toxicology and Environmental Health*, 33 (4), 549-585.