

8. REFERENCES

- *Abrahamsson K, Klick S. 1991 a Degradation of halogenated phenols in anoxic natural marine sediments. *Marine Pollution Bulletin* 22(5):227-233.
- *Abrahamsson K, Xie TM. 1983. Direct determination of trace amounts of chlorophenols in fresh water, waste water, and sea water. *J Chromatogr* 279:199-208.
- *Adinolfi M. 1985. The development of the human blood-csf-brain barrier. *Dev Med Child Neurol* 27:532-537.
- *Ahlborg UG, Larsson K. 1978. Metabolism of tetrachlorophenols in the rat. *Archives of Toxicology* 40:63-74.
- *Ahlborg UG, Thunberg TM. 1980. Chlorinated phenols: Occurrence, toxicity, metabolism, and environmental impact. *CRC Crit Rev Toxicol* 7: 1-35.
- *Alarcon P, Bustos A, Canas B, et al. 1987. Determination of priority pollutant phenols by isocratic HPLC. *Chromatographia* 24:613-616.
- *Alexandersson R, Hedenstierna G. 1982. Pulmonary function after long-term exposure to trichlorophenol. *Int Arch Occup Environ Health* 49:275-280.
- *Alm H, Tiemann U, Torner H. 1996. Influence of organochlorine pesticides on development of mouse embryos *in vitro*. *Reprod Toxicol* 10(4):321-326.
- *Altman PK, Dittmer DS. 1974. *Biological handbooks: Biology data book. Volume III, 2nd ed.* Bethesda, MD: Federation of American Societies for Experimental Biology, 1987-2008,2041.
- *Alvares AP. 1978. Interactions between environmental chemicals and drug biotransformations in man. *Clin Pharmacol* 3:462-477.
- *Aly OM, Faust SD. 1964. Studies on the fate of 2,4-D and ester derivatives in natural surface waters. *J Agric Food Chem* 12:541-546.
- *Ambre J. 1990. Principles of pharmacology for the clinician. In: Haddad LM, Winchester JF, eds. *Clinical management of poisoning and drug overdose. 2nd ed.* Philadelphia, PA: W.B. Saunders Company, 22-24.
- *American Biogenics Corp. 1988. 2,3,4,6-Tetrachlorophenol: 90-Day subchronic oral toxicity study in rats. Sponsored by US EPA, Office of Solid Waste. Study No. 410-2522.

*Cited in text

8. REFERENCES

- *Andersen ME, Krishnan K. 1994. Relating *in vitro* to *in vivo* exposures with physiologically-based tissue dosimetry and tissue response models. In: Salem H, ed. Animal test alternatives. Aberdeen Proving Ground, Maryland: U.S. Army Chemical Research Development and Engineering Center.
- *Andersen ME, Clewell HJ, Gargas ML, et al. 1987. Physiologically-based pharmacokinetics and the risk assessment process for methylene chloride. *Toxicol Appl Pharmacol* 87:185-205.
- *Angel A, Rogers KJ. 1972. An analysis of convulsant activity of substituted benzenes in the mouse. *Toxicol Appl Pharmacol* 21:214-229.
- *Angerer J, Heinrich R, Laudehr H. 1981. Occupational exposure to hexachlorocyclohexane. V. Gas chromatographic determination of monohydroxychlorobenzenes (chlorophenols) in urine. *Int Arch Occup Environ Health* 48:319-324.
- *Angerer J, Heinzow B, Reimann DO, et al. 1992a. Internal exposure to organic substances in a municipal waste incinerator. *Int Arch Occup Environ Health* 64:265-273.
- *Angerer J, Heinzow B, Schaller KH. 1992b. Determination of environmental caused chlorophenol levels in urine of the general population. *Fresenius' Journal of Analytical Chemistry* 342:433-438.
- *Angerer J, Heinzow B, Reimann DO, et al. 1993. Waste incineration: Estimation of the workers' internal exposure to PCB, PAH, chlorophenols and other relevant agents. International Conference on Monitoring of Toxic Chemicals and Biomarkers, 1992. *Proc SPIE-Int Soc Opt Eng* 1716:418-426.
- *APHA. 1992. Standard methods for the examination of water and wastewater. 18th ed. Greenberg AE, Clesceri LS, Eaton AD, eds. American Public Health Association, American Water Works Association, Water Environment Federation, Washington, DC, 6-77-6-90.
- *Armenante PM, Kafkewitz D, Lewandowski G, et al. 1992. Integrated anaerobic-aerobic process for the biodegradation of chlorinated aromatic-compounds. *Environmental Progress* 11(2): 113-122.
- *Armstrong MJ, Galloway SM, Ashby J. 1993. 2,4,6-Trichlorophenol (TCP) induces chromosome breakage and aneuploidy *in vitro*. *Mutation Research* 303: 101-108.
- *Arrhenius E, Renberg L, Johansson L, et al. 1977. Disturbance of microsomal detoxication mechanisms in liver by chlorophenol pesticides. *Chem Biol Interactions* 18:35-46.
- *ATSDR/CDC. 1990. Subcommittee report on biological indicators of organ damage. Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention, Atlanta GA.
- *ATSDR. 1989. Decision guide for identifying substance-specific data needs related to toxicological profiles. Agency for Toxic Substances and Disease Registry, Division of Toxicology, Atlanta, GA.
- *Azouz WM, Parke DV, Williams RT. 1953. Studies in detoxication. 51. The determination of catechols in urine, and the formation of catechols in rabbits receiving halogenobenzenes and other compounds: Dehydroxylation *in vivo*. *Biochem J* 55:146-151.

8. REFERENCES

- *Bae HS, Lee JM, Lee ST. 1996. Biodegradation of 4-chlorophenol via a hydroquinone pathway by *Arthrobacter ureofaciens* CPR706. FEMS Microbiology Letters 145:125-129.
- *Bahig ME, Kraus A, Klein W. 1981. Excretion and metabolism of 2,4,6-trichlorophenol -14C in rats. Chemosphere 10:323-327.
- *Baker MD, Mayfield CI. 1980. Microbial and non-biological decomposition of chlorophenols and phenol in soil. Water Air Soil Pollut 13:411-424.
- *Baker MD, Mayfield CI, Inness WE. 1980. Degradation of chlorophenol in soil, sediment and water at low temperature. Water Res 14: 1765-1771.
- *Balfanz J, Rehm H. 1991. Biodegradation of 4-chlorophenol by adsorptive immobilized *Alcaligenes* sp. A7- 2 in soil. Appl Microbial Biotechnol35(5):662-668.
- *Banerjee S, Howard PH, Rosenberg AM, et al. 1984. Development of a general kinetic model for biodegradation and its application to chlorophenols and related compounds. Environ Sci Technol 18(6):416-422.
- *Banna NR, Jabbur SJ. 1970. Increased transmitter release induced by convulsant phenols. Brain Res 20:471-473.
- *Barnes DG, Dourson M. 1988. Reference dose (RfD): Description and use in health risk assessments. U.S. Environmental Protection Agency. Regul Toxicol Pharmacol8:471-486.
- *Barrows ME, Petrocelli SR, Macek KJ, et al. 1980. Bioconcentration and elimination of selected water pollutants by bluegill sunfish (*Lepomis macrochirus*). In: Haque R, Ed., Dynamics, exposure and hazard assessment of toxic chemicals. Ann Arbor, MI: Ann Arbor Science Publishers Inc, 379-392.
- *Bas Bueno de Mesquita H, Doornbos G, van der Kuip DAM, et al. 1993. Occupational exposure to phenoxy herbicides and chlorophenols and cancer mortality in the Netherlands. American Journal of Industrial Medicine 23:289-300.
- *Battersby NS, Wilson V. 1989. Survey of the anaerobic biodegradation potential of organic chemicals in digesting sludge. Appl Environ Microbiol 55:433-439.
- *Bedient PB, Rodgers AC, Bouvette TC, et al. 1984. Groundwater quality at a creosote waste site. Ground Water 22:318-329.
- *Bengtsson G. 1985. A gas chromatographic micromethod for trace determinations of phenols. J Chromatogr Sci 23:397-401.
- *Benoit P, Baniuso E, Houot S, et al. 1996. Influence of the nature of soil organic matter on the sorption-desorption of 4-chlorophenol, 2,4-dichlorophenol, and the herbicide 2,4-dichlorophenoxyacetic acid (2,4-D). European Journal of Soil Science 47:567-578.
- *Bercz JP, Robinson M, Jones L, et al. 1990. Subchronic toxicity studies of 2,4,6-trichlorophenol in Sprague-Dawley rats. Journal of the American College of Toxicology 9(5):497-506.

8. REFERENCES

- *Bertheussen K, Yousef MI, Figenschau Y. 1997. A new sensitive cell culture test for the assessment of pesticide toxicity. *J Environ Sci Health B32(2)*:195-211.
- *Bhandari A, Novak JT, Berry DF. 1996. Binding of 4-monochlorophenol to soil. *Environ Sci Technol* 30:2305-2311.
- *Bioassay Systems. 1981. Rabbit skin corrosion test performed on o-chlorophenol. Submitted to EPA by Rhone-Poulenc TSCA 8ECP. Microfiche No. OTS0542021.
- *Bionetics Research Laboratories. 1968. Evaluation of carcinogenic, teratogenic and mutagenic activities of selected pesticides and industrial chemicals. 1. Carcinogenic study. Bethesda, MD: National Cancer Institute. Publication No. NCIDCCP-CG-1973-1-1; NTIS PB-223-159,393.
- *Blackburn K, Zenick H, Hope E, et al. 1986. Evaluation of the reproductive toxicology of 2,4,6-trichlorophenol in male and female rats. *Fundam Appl Toxicol* 6:233-239.
- *Bleiberg J, Wallen M, Brodtkin R, et al. 1964. Industrially acquired porphyria. *Arch Dermatol* 89:793-797.
- *Bock KW, Wiltfang J, Blume R, et al. 1987. Paracetamol as a test drug to determine glucuronide formation in man: Effects of inducers and of smoking. *Eur J Clin Pharmacol* 31(6):677-683.
- Boll M, Weber LWD, Stampfl A. 1996. The response of rat serum lipids to diets of varying composition or contaminated with organochlorine pesticides. *National Research Center for Environment and Health* 51(1-2):91-100.
- *Bond GG, McLaren EA, Brenner FE, et al. 1989. Incidence of chloracne among chemical workers potentially exposed to chlorinated dioxins. *J Occup Med* 31(9):771-774.
- *Borzelleca JF, Condie LW, Hayes JR. 1985a. Toxicological evaluation of selected chlorinated phenols. Proceedings of the Fifth Conference on Water Chlorination: Environmental Impact and Health Effects, Williamsburg, VA, June 1984,331-343.
- *Borzelleca JF, Hayes JR, Condie LW, et al. 1985b. Acute toxicity of monochlorophenols, dichlorophenols and pentachlorophenols in the mouse. *Toxicol Lett* 29:39-42.
- *Boule P, Guyon C, Lemaire J. 1982. Photochemistry and Environment. IV- Photochemical behavior of monochlorophenols in dilute aqueous solution. *Chemosphere* 11(12): 1179-1188.
- *Boule P, Guyon C, Lemaire J. 1984. Photochemistry and environment. VI. Direct phototransformation of chlorophenols and interactions with phenol on UV exposure in aqueous solution. *Toxic Environ Chem* 7:97-110.
- *Boutwell RK, Bosch DK. 1959. The tumor-promoting action of phenol and related compounds for mouse skin. *Cancer Res* 19:413-427.
- *Boyd SA, Shelton DR. 1984. Anaerobic biodegradation of chlorophenols in fresh and acclimated sludge. *Applied Environmental Microbiology* 47:272-277.

8. REFERENCES

- *Bray HG, Humphris BG, Thorpe WV, et al. 1952a. Kinetic studies of the metabolism of foreign organic compounds. III. The conjugation of phenols with glucuronic acid. *Biochem J* 52:416-419.
- *Bray HG, Humphris BG, Thorpe WV, et al. 1952b. Kinetic studies of the metabolism of foreign organic compounds. IV. The conjugation of phenols with sulphuric acid. *Biochem J.* 52:419-423.
- Brilhante OM, Oliveira RM. 1996. Environmental contamination by HCH in the 'Cidade dos Meninos', state of Rio de Janeiro. *International Journal of Environmental Health Research* 6:17-25.
- *Bronstein AC, Currence PL. 1988. Emergency care for hazardous materials exposure. St. Louis, Missouri: CV Mosby Company, 21-22, 48, 70, 159-160, 201-202, 333, 353-354.
- *Brown KW, Donnelly KC. 1988. An estimation of the risk associated with the organic constituents of hazardous and municipal waste landfill leachates. *Haz Waste Haz Mater* 5:1-30.
- Buckman NG, Hill JO, Magee RJ, et al. 1984. Separation of substituted phenols, including eleven priority pollutants using high-performance liquid chromatography. *J Chromatogr* 284:441-446.
- *Buikema AL Jr, McGinniss MJ, Car-ins J Jr. 1979. Phenolics in aquatic ecosystems: A selected review of recent literature. *Mar Environ Res* 2:87-181.
- *Buisson RS, Kirk PW, Lester JN. 1984. Determination of chlorinated phenols in water, wastewater, and wastewater sludge by capillary GC/ECD. *Journal of Chromatographic Science* 22(8):339-342.
- *Bull RJ, Robinson M, Larie RD. 1986. Association of carcinoma yield with early papilloma development in SENCAR mice. *Environ Health Perspect* 68:11-17.
- *Bunce NJ, Nakai JS. 1989. Atmospheric chemistry of chlorinated phenols. *JAPCA* 39:820-823.
- *Burttschell RH, Rosen AA, Middleton FM, et al. 1959. Chlorine derivatives of phenol causing taste and odor. *J Am Water Works Association* 51:205-214.
- *Butte W, Juhl U, Schwarting W, et al. 1988. Evidence for the formation of a dihydroxychlorobiphenyl, hydroxychlorodiphenyl ethers and a hydroxychlorodibenzodioxin or hydroxychlorodiphenoquinone upon metabolism of 2,4,5-trichlorophenol by post-mitochondrial rat liver fractions (S-9). *Chemosphere* 17(6): 1189-1196.
- Calabrese E. 1978. Pollutants and high-risk groups: The biological basis of increased human susceptibility to environmental and occupational pollutants. New York, NY: John Wiley and Sons, 2,55-57, 75-77.
- Callahan MA, Ehreth DJ, Levins PL. 1979. Sources of toxic pollutants found in influent to sewage treatment plants. *Proc Natl Conf Munic Sludge Manage* (8th.) 55-61.
- *Calvert GM, Hornung RW, Sweeney MH, et al. 1992. Hepatic and gastrointestinal effects in an occupational cohort exposed to 2,3,7,8-tetrachlorodibenzo-para-dioxin. *JAMA* 267(16):2209-2214.

8. REFERENCES

- *Calvert GM, Sweeney MH, Morris JA, et al. 1991. Evaluation of chronic bronchitis, chronic obstructive pulmonary disease, and ventilatory function among workers exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Am Rev Respir Dis* 144:1302-1306.
- *Camanzo J, Rice CP, Jude DJ, et al. 1987. Organic priority pollutants in nearshore fish from 14 Lake Michigan tributaries and embayments, 1983. *Journal of Great Lakes Research* 13:296-309.
- *Carey JH, Fox ME, Hart JH. 1988. Identity and distribution of chlorophenols in the North Arm of the Fraser River estuary. *Water Pollution Research Journal of Canada* 23(1):31-44.
- *Carlson GP. 1978. Effect of trichlorophenols on xenobiotic metabolism in the rat. *Toxicology* 11:145-151.
- *Carreon RE, Young JT, New MA. 1980a. 2,4-Dichlorophenol (Lot #MM08 120): Acute percutaneous absorption potential in rabbits. Toxicology Research Laboratory, Health and Environmental Science, USA, Dow Chemical USA, Midland, MI. Unpublished report.
- *Carreon RE, Young JT, New MA. 1980b. 2,4-Dichlorophenol (Lot #MM08120): Percutaneous absorption potential in rabbits. Toxicology Research Laboratory, Health and Environmental Science, USA, Dow Chemical USA, Midland, MI. Unpublished report.
- *Cascorbi I, Ahlers J. 1989. Correlation between the lipophilicity of substituted phenols and their inhibition of the Na⁺/K⁺-ATPase of Chinese hamster ovary cells. *Toxicology* 58(2):197-210.
- *CELDS. 1994. Computer-environmental legislative data system database. University of Illinois, Urbana IL.
- *Chemoff N, Setzer RW, Miller DB, et al. 1990. Effects of chemically induced maternal toxicity on prenatal development in the rat. *Teratology* 42:651-658.
- *Chiou CT, Freed VH, Peters LJ, et al. 1980. Evaporation of solutes from water. *Environ Inter* 3:231-236.
- *Clerhata D, Kovacikova Z, Veningerova M, et al. 1996. The effect of 2,4-dichlorophenol on lipid peroxidation in tissues of guinea pigs with different ascorbic acid intake. *Ind Health* 34:415-419.
- *Clewell HJ, III, Andersen ME. 1985. Risk assessment extrapolations and physiological modeling. *Toxicol IndHealth* 1:111-113.
- *Coggon D, Pannett B, Winter P. 1991. Mortality and incidence of cancer at four factories making phenoxy herbicides. *British Journal of Industrial Medicine* 48:173-178.
- *Cole Johnson C, Feingold M, Tilley B. 1990. A meta-analysis of exposure to phenoxy acid herbicides in relation to risk of soft tissue sarcoma. *Int Arch Occup Environ Health* 62:513-520.
- *Cole RH, Frederick RE, Healy RP, et al. 1984. Preliminary findings of the priority pollutant monitoring project of the nationwide urban runoff program. *J Water Pollut Control Fed* 56:898-908.
- *Cook LW, Zach FW, Klosterman HJ, et al. 1983. Comparison of free and total residues of (2,4-dichlorophenoxy)acetic acid and 2,4-dichlorophenol in millet resulting from postemergence and preharvest treatment. *J Agric Food Chem* 31:268-271.

8. REFERENCES

- *Coombs HI, Hele TS. 1926. Studies in the sulphur metabolism of the dog. IV. The mechanism of mercapturic acid formation in the dog. *Biochem J* 20:606-612.
- *Dasappa SM, Loehr RC. 1991. Toxicity reduction in contaminated soil bioremediation processes. *Water Research* 25(N9):1121-1130.
- *Deichmann WB, Mergard EG. 1948. Comparative evaluation of methods employed to express the degree of toxicity of a compound. *J Industr Hyg Toxicol* 30:373.
- *DeMarini DM, Brooks HG, Parkes DG Jr. 1990. Induction of prophage lambda by chlorophenols. *Environmental and Molecular Mutagenesis* 15(1):1-9.
- *de Morais SM, Wells PG. 1988. Deficiency in bilirubin UDP-glucuronyl transferase as a genetic determinant of acetaminophen toxicity. *J Pharmacol Exp Ther* 247(1):323-331.
- *de Morais SM, Uetrecht JP, Wells PG. 1992. Decreased glucuronidation and increased bioactivation of acetaminophen in Gilbert's syndrome. *Gastroenterology* 102(2):577-586.
- *Denomme MA, Leece B, Gyorkos J, et al. 1983. Polychlorinated benzene and phenol congeners as inducers of rat hepatic drug-metabolizing enzymes in immature male Wistar rats. *Can J Physiol Pharmacol* 61:1063-1070.
- *De Vault 1985. Contaminants in fish from Great Lakes harbors and tributary mouths. *Arch Environ Contam Toxicol* 14:587-594.
- *Dohi T, Terada H, Anarnura S, et al. 1989. The anti-inflammatory effects of phenolic dental medicaments as determined by mouse ear edema assay. *Jpn J Pharmacol* 49(4):535-639.
- *Duchosal F, Biedermann K. 1991. 4-Hour, acute inhalation toxicity study with ortho chlorophenol (C- 1648) in rats. Research and Consulting Company AG, Geneva; Switzerland. Submitted to EPA by Rhone-Poulenc. TSCA Section 8E. Microfiche No. OTS0534816.
- Duff RM, Kissel JC. 1996. Effect of soil loading on dermal absorption efficiency from contaminated soils. *J Toxicol Environ Health* 48:93-106.
- *Edgerton TR. 1981. Storage stability of chlorinated phenols in urine. *Journal of Agriculture and Food Chemistry* 29:416-418.
- *Edgerton TR, Moseman RF, Lores EM. 1980. Determination of trace amounts of chlorinated phenols in human urine by gas chromatography. *Anal Chem* 52:1774-1777.
- *Eisenreich SJ, Looney BB, Thornton JD. 1981. Airborne organic contaminants in the Great Lakes ecosystem. *Environ Sci Technol* 15:30-38.
- *Eisenreich SJ, Looney BB, Thornton JD. 1981. Airborne organic contaminants in the Great Lakes ecosystem. *Environ Sci Technol* 15(1):30-38.

8. REFERENCES

*Ellenhorn MJ, Barceloux DG. 1988. Medical toxicology: Diagnosis and treatment of human poisoning. New York, NY: Elsevier, 1098-1100.

*Engst RN, Macho12 RM, Kujawa M, et al. 1976. The metabolism of lindane and its metabolites gamma-2,3,4,5,6-pentachlorocyclohexene, pentachlorobenzene, and pentachlorophenol in rats and the pathways of lindane metabolism. J Environ Sci Health [B] 11(2):95-117.

*EPA. 1980a. Ambient water quality criteria for chlorinated phenols. U.S. Environmental Protection Agency, Office of Water Regulations and Standards, Criteria and Standards Division, Washington, DC. EPA 440/5-80-032.

*EPA 1980b. Water quality criteria documents; availability. U.S. Environmental Protection Agency. Federal Register 45179318-80379. 11/28/80.

*EPA. 1981 I Sources of toxic pollutants found in influents to sewage treatment plants. U.S. Environmental Protection Agency, Washington, D.C., 118. EPA-440-4-81-008, NTIS PB81-219685.

EPA. 1984. Biodegradation in the estuarine-marine environments and the genetically altered microbe. U.S. Environmental Protection Agency, Environmental Research Laboratory, Gulf Breeze, FL, 35. EPA-600/D-84-051 (NTIS PB84-151315)

*EPA. 1988a. NPDES permit application testing requirements. U.S. Environmental Protection Agency. 40 CFR 122.21, Appendix D.

EPA. 198817. 2,4-D: Tolerances for residues. U.S. Environmental Protection Agency. 40 CFR 180.142.

*EPA. 1988c. Toxic pollutants. U.S. Environmental Protection Agency. 40 CFR 401.15.

*EPA. 1988d. Hazardous waste management system: Identification and listing of hazardous waste. U.S. Environmental Protection Agency. Federal Register 53:13382-13393.

*EPA. 1989a. Reportable Quantity Adjustments. U.S. Environmental Protection Agency. Federal Register 54:33418-33426.

EPA. 1989b. The President's Outer Continental Shelf Leasing and Development Task Force. U.S. Environmental Protection Agency. Federal Register 54:33150-33165.

*EPA. 1990a. Interim methods for development of inhalation reference doses. U.S. Environmental Protection Agency. EPA-600/8-90/066A.

EPA. 1990b. Hazardous wastes from non-specific sources. U.S. Environmental Protection Agency. 40 CFR 261.31.

*EPA. 1990c. Ambient water quality criteria. U.S. Environmental Protection Agency. Federal Register 55(93):19987-19992.

EPA. 1992a. List of chemicals produced by affected facilities. U.S. Environmental Protection Agency. 40 CFR 60.489.

8. REFERENCES

- *EPA. 1992b. Toxic pollutants. Environmental Protection Agency. 40 CFR 401.15.
- *EPA. 1994. Drinking water regulations and health advisories. Office of Water, U.S. Environmental Protection Agency, Washington, D.C.
- *Eriksson M, Hardell L, Adami H-O. 1990. Exposure to dioxins as a risk factor for soft tissue sarcoma: A population-based case-control study. *Journal of the National Cancer Institute* 82(6):486-490.
- *Eriksson M, Hardell L, Berg N, et al. 1981. Soft-tissue sarcoma and exposure to chemical substances: A case-reference study. *Br J Ind Med* 38:27-33.
- *Exon JH, Koller LD. 1981. Alteration of transplacental carcinogenesis by chlorinated phenols. In: Jolley RL, Brungs WA, Cotruvo WA, et al., eds. *Water Chlorination: Environmental impact and health effects*, Volume 4, Book 2. Ann Arbor, MI: Ann Arbor Science, 1177-1188.
- *Exon JH, Koller LD. 1982. Effects of transplacental exposure to chlorinated phenols. *Environ Health Perspect* 46:137-140.
- *Exon JH, Koller LD. 1983. Effects of chlorinated phenols on immunity in rats. *Int J Immunopharmacol* 5(2):131-136.
- *Exon JH, Keller LD. 1985. Toxicity of 2-chlorophenol, 2,4-dichlorophenol and 2,4,6-trichlorophenol, In: Jolley RL, ed. *Water Chlorination: Chemistry, environmental impact and health effects*. Volume 5. Fifth Conference on Water Chlorination: Environmental Impact and Health Effects, Williamsburg, VA, June 1984, 307-330.
- *Exon JH, Henningsen GM, Osborne CA, et al. 1984. Toxicologic, pathologic, and immunotoxic effects of 2,4-dichlorophenol in rats. *J Toxicol Environ Health* 14:723-730.
- *Fahrig R, Nilsson C, Rappe C. 1978. Genetic activity of chlorophenols and chlorophenol impurities. *Environmental Science Research* 12:325-338.
- *Farquharson ME, Gage JC, Northover J. 1958. The biological action of chlorophenols. *Br J Pharmacol* 13:20-24.
- *Fenske RA, Horstman SW, Bentley RK. 1987. Assessment of dermal exposure to chlorophenols in timber mills. *Applied Industrial Hygiene* 2(4):143-147.
- Flesh-Janys D. 1997/8. Analyses of exposure to polychlorinated dibenzo-*p*-dioxins, furans, and hexachlorocyclohexane and different health outcomes in a cohort of former herbicide-producing workers in Hamburg, Germany. *Teratogenesis, Carcinogenesis, and Mutagenesis* 17:257-264.
- *Folke J, Lindgaard-Joergensen P. 1985. Organics in wheat and rye straw pulp bleaching and combined mill effluents. I. Chemical characterization and biodegradation studies. *Toxicol Environ Chem* 10:1-24.
- *Fornan SJ. 1966. Body composition of the infant. Part I: The male reference infant. Falkner F, ed. *Human development*. Philadelphia, PA: WB Saunders, 239-246.

8. REFERENCES

- *Foman SJ, Haschke F, Ziegler EE, Nelson SE. 1982. Body composition of reference children from birth to age 10 years. *Am J Clin Nutr* 35:1169-1175.
- *Fragiadakis A, Sotiriou N, Korte F. 1981. Absorption, balance and metabolism of carbon-14-labeled 2,4,6-trichlorophenol in hydroponic tomato plants. *Chemosphere* 10: 1315-1320.
- *FSTRAC. 1990. Summary of state and federal drinking water standards and guidelines. Chemical Communication Subcommittee, Federal-State Toxicology and Regulatory Alliance Committee. U.S. Environmental Protection Agency, Washington, DC, 7, 11-12, 26-27.
- *Fu L-J, Johnson EM, Newman LM. 1990. Prediction of the developmental toxicity hazard potential of halogenated drinking water disinfection by-products. *Regulatory Toxicology and Pharmacology* 11:213-219.
- *Galloway SM, Armstrong MJ, Reuben C, et al. 1987. Chromosome aberrations and sister chromatid exchanges in Chinese hamster ovary cells: Evaluations of 108 chemicals. *Environ Mol Mutagen* 10:1-175.
- *Genthner BRS, Price WA, II, Pritchard PH. 1989. Anaerobic degradation of chloroaromatic compounds in aquatic systems under a variety of enrichment conditions. *Applied Environmental Microbiology* 55:1466-1471.
- *George SE, Whitehouse DA, Claxton LD. 1992. Genotoxicity of 2,4,5-trichlorophenoxyacetic acid biodegradation products in the *salmonella* reversion and lambda prophage-induction bioassays. *Environmental Toxicology and Chemistry* 11:733-740.
- *Gomez MJ, Bruneau C, Soyer N, et al. 1988. Thermal degradation of chlorophenoxy acid herbicides. *J Agric Food Chem* 36:649-653.
- *Gosselin RE, Smith RP, Hodge HC. 1984. *Clinical toxicology of commercial products*. Fifth edition. Baltimore, MD: Williams and Wilkins, II-64, II-129.
- *Gossett RW, Brown DA, Young DR. 1983. Predicting the bioaccumulation of organic compounds in marine organisms using octanol/water partition coefficients. *Mar Pollut Bull* 14:387-392. (Retrieval in progress).
- *Grimvall A, Jonsson S, Karlsson S, et al. 1991. Organic halogens in unpolluted waters and large bodies of water receiving bleach plant effluents. *Tappi Journal* May 1991:197-203.
- *Gurney BF, Lantenschlager DP. 1982. Nearly non-toxic parachlorophenol antiseptics. *J Dent Assoc S Afr* 37(12):815-818.
- *Guzelian PS, Henry CJ, Olin SS. 1992. Similarities and differences between children and adults: Implications for risk assessment. Washington, DC: International Life Sciences Institute Press.
- Häggbloom MM, Janke D, Salkinoja-Salonen MS. 1989. Transformation of chlorinated phenolic compounds in the genus *Rhodococcus*. *Microb Ecol* 18:147-159.
- Häggbloom MM, Rivera MD, Young LY. 1993. Influence of alternative electron acceptors on the anaerobic biodegradability of chlorinated phenols and benzoic acids. *Appl Environ Microbiol* 59(4):1162-1167.

8. REFERENCES

- Hagglblom MM. 1990a. Mechanisms of bacterial degradation and transformation of chlorinated monoaromatic compounds. *J Basic Microbiol* 30(2): 115-141.
- *Hagglblom MM, Young LY. 1990. Chlorophenol degradation coupled to sulfate reduction. *Appl Environ Technol* 56(11):3255-3260.
- *Haimi J, Sahninen J, Huhta V, et al. 1992. Bioaccumulation of organochlorine compounds in earthworms. *Soil Biol Biochem* 24(12):1699-1703.
- *Hajslova J, Kocourek V, Zemanova I, et al. 1988. Gas chromatographic determination of chlorinated phenols in the form of various derivatives. *J Chromatogr* 439(2):307-316.
- *Hardell L, Eriksson M, Lenner P, et al. 1981. Malignant lymphoma and exposure to chemicals, especially organic solvents, chlorophenols and phenoxy acids: A case-control study. *Br J Cancer* 43:169-176.
- Hardman DJ. 1991. Biotransformation of halogenated compounds. *Critical Reviews in Biotechnology* 11(1):1-40.
- *Hargesheimer EE, Coutts RT. 1983. Selected ion mass spectrometric identification of chlorophenol residues in human urine. *J Assoc Off Anal Chem* 66(1):13-21.
- *Harrison JW, Madonia JV. 1971. The toxicity of parachlorophenol. *Oral Surg Oral Med Oral Pathol* 32(1): 90-99.
- *Hattula ML, Knuutinen J. 1985. Mutagenesis of mammalian cells in culture by chlorophenols, chlorocatechols and chloroguaiacols. *Chemosphere* 14:1617-1625.
- *Hattula ML, Wasenius VM, Krees R, et al. 1981. Acute and short-term toxicity of 2,3,4,6-tetrachlorophenol in rats. *Bull Environ Contam Toxicol* 26(6):795-800.
- *Haworth S, Lawlor T, Mortelmans K, et al. 1983. *Salmonella* mutagenicity test results for 250 chemicals. *Environ Mutagen* 5, Suppl 1:3-142.
- *HazDat. 1998. Hazardous Substances Database. Agency for Toxic Substances and Disease Registry, Atlanta, GA.
- *Hencke JW, Lockwood DD. 1978. Acute toxicological properties and industrial handling hazards of 2,4-dichlorophenol. R and D Report. Toxicology Research Laboratory, Dow Chemical USA, Midland, MI. Unpublished report.
- Hewlett TP, Jacobsen D, Collins TD, et al. 1989. Ethylene glycol and glycolate kinetics in rats and dogs. *Vet Hum Toxicol* 31(2):116-120.
- Hill GA, Milne BJ, Nawrocki PA. 1996. Cometabolic degradation of 4-chlorophenol by *Alcaligenes eurtophus*. *Appl Microbial Biotechnol* 46:163-168.
- *Hill RH Jr, To T, Holler JS, et al. 1989. Residues of chlorinated phenols and phenoxy acid herbicides in the urine of Arkansas children. *Arch Environ Contam Toxicol* 18:469-474.

8. REFERENCES

- Hinz RS, Lorence CR, Hodson CD, et al. 1991. Percutaneous penetration of para-substituted phenols *in vitro*. *Fundam Appl Toxicol* 17(3):575-583.
- *Hites RA, Jungclaus GA, Lopez-Avila V, et al. 1979. Potentially toxic organic compounds in industrial wastewaters and river systems: Two case studies. *ACS Symp Ser* 94:63-90.
- *Hoak RD. 1957. The causes of tastes and odors in drinking water. *Water & Sewage Works* 104: 243-247.
- *Hoar SK, Blair A, Holmes FF, et al. 1986. Agricultural herbicide use and risk of lymphoma and soft-tissue sarcoma. *JAMA* 256:1141-1147.
- *Hedge HC, Sterner JH. 1949. Tabulation of toxicity classes. *American Industrial Hygiene Association Quarterly* 10:93-96.
- *Hodin F, Boren H, Grimvall A, et al. 1991. Formation of chlorophenols and related compounds in natural and technical chlorination processes. *Water Science Technology* 24(3/4):403-410.
- *Holler JS, Fast DM, Hill RH Jr. 1989. Quantification of selected herbicides and chlorinated phenols in urine by using gas chromatography/mass spectrometry/mass spectrometry. *Journal of Analytical Toxicology* 13:152-157.
- *Honchar PA, Halperin WE. 1981. 2,4,5-T, trichlorophenol, and soft tissue sarcoma. *Lancet* 1:268-269. Hong SK, Anestis DK, Ball JG, et al. 1997. 4-Amino-2,6-dichlorophenol nephrotoxicity in the Fischer 344 Rat: Protection by ascorbic acid, AT-125, and aminooxyacetic acid. *Toxicol Appl Pharmacol* 147: 115-125.
- *Hood RD, Patterson BL, Thacker GT, et al. 1979. Prenatal effects of 2,4,5-trichlorophenol and phenoxyacetic acid in mice. *J Environ Sci Health* 13(3):189-204.
- *Horstman SW, Rossner A, Kalman DA, et al. 1989. Penetration of pentachlorophenol and tetrachlorophenol through human skin. *J Environ Sci Health A24(3):229-242*.
- *HSDB. 1994. Hazardous Substances Data Bank. National Library of Medicine, National Toxicology Information Program, Bethesda, MD.
- *HSDB. 1998. Hazardous Substances Data Bank. National Library of Medicine, National Toxicology Information Program, Bethesda, MD.
- *Hughes MF, Shrivastava SP, Fisher HL, et al. 1993. Comparative *in vitro* percutaneous-absorption of psubstituted phenols through rat skin using static and flow-through diffusion-systems. *Toxicology In vitro* 71:221-227.
- Hunt DF, Shabanowitz J, Harvey TM, et al. 1985. Scheme for the direct analysis of organics in the environment by tandem mass spectrometry. *Anal Chem* 57:525-537.
- *Huq AS, Ho NFH, Husari N, et al. 1986. Permeation of water contaminative phenols through hairless mouse skin. *Arch Environ Contam Toxicol* 15(5):557-566.

8. REFERENCES

- *Hwang HM, Hodson RE, Lee RF. 1986. Degradation of phenol and chlorophenols by sunlight and microbes in estuarine water. *Environ Sci Technol* 20:1002-1007.
- Hwang HM, Hodson RE, Lewis DL. 1987. Microbial degradation kinetics of toxic organic chemicals over a wide range of concentrations in natural aquatic systems. *Environ Toxicol Chem.* 8(1):65-74.
- *IARC. 1987. IARC monographs on the evaluation of carcinogenic risks to humans. World Health Organization, Lyon, France, Suppl. 7, 154-156.
- *Innes JRM, Ulland BM, Valero MG, et al. 1969. Bioassay of pesticides and industrial chemicals for tumorigenicity in mice: A preliminary note. *J Natl Cancer Inst* 42: 1101 - 1104.
- *IRIS. 1998. Integrated Risk Information System. U.S. Environmental Protection Agency Washington, DC.
- *Isaacson PJ, Frink CR. 1984. Nonreversible sorption of phenolic compounds by sediment fractions: The role of sediment organic matter. *Environ Sci Technol* 18:43-46.
- *Isensee AR, Jones GE. 1971. Absorption and translocation of root and foliage applied 2,4-dichlorophenol, 2,7-dichlorodibenzo-*p*-dioxin, and 2,3,7,8-tetrachlorodibenzo-*p*-dioxin. *J Agr Food Chem* 19(6):1210-1214.
- *Ismail RM, Salminen L, Korte F. 1977. Distribution of topically applied environmental chemicals in the rabbit eye. *Chemosphere* 6:797-802.
- *Izushi F, Mori T, Ogata M. 1988. Effect of phenol and halogenated phenols on energy transfer reactions of rat liver mitochondria. *Acta Med Okayama* 42(1):7-14.
- *Janik F, Wolf HU. 1992. The calcium transport-ATPase of human erythrocytes as an *in vitro* toxicity test system: Acute effects of some chlorinated compounds. *J Appl Toxicol* 12(5):351-358.
- *Jansen PL, Mulder GJ, Burchell B, et al. 1992. New developments in glucuronidation research: Report of a workshop on "Glucuronidation, its role in health and disease." *Hepatology* 15(3):532-544.
- Janssen DB, Pries F, van der Ploeg JR. 1994. Genetics and biochemistry of dehalogenating enzymes. *Annu Rev Microbiol* 48:163-191.
- *Jansson K, Jansson V. 1992. Genotoxicity of 2,4,6-trichlorophenol in V79 Chinese hamster cells. *Mutation Research* 280:175-179.
- *Johanson CE. 1980. Permeability and vascularity of the developing brain: Cerebellum vs cerebral cortex. *Brain Res* 190:3-16.
- *Judis J. 1982. Binding of selected phenol derivatives to human serum proteins. *J Pharm Sci* 71: 1145-1147.
- *Juhl U, Blum JK, Butte W, et al. 1991. The induction of DNA strand breaks and formation of semiquinone radicals by metabolites of 2,4,5-trichlorophenol. *Free Rad Res Comms* 11(6):295-305.
- *Juhl U, Blum K, Witte I. 1989. The *in vitro* metabolites of 2,4,6-trichlorophenol and their DNA strand breaking properties. *Chem-Biol Interactions* 69:333-344.

8. REFERENCES

- *Junk GA, Richard JJ, Avery MJ, et al. 1986. Organic compounds from coal combustion. ACS Symp Ser 319(Fossil Fuels Util):109-123.
- Kafkewitz D, Fava F, Armenante PM. 1996. Effect of vitamins on the aerobic degradation of 2-chlorophenol, 4-chlorophenol, and 4-chlorobiphenyl. Appl Microbial Biotechnol 46:414-421.
- *Kalliokoski P, Kauppinen T. 1990. Complex chlorinated hydrocarbons: Occupational exposure in the sawmill industry. In: Vainio H, Sorsa M, McMichael AL, eds. Complex mixtures and cancer risk, IARC Scientific Publications No. 104, Lyon, 390-396.
- *Karapally JC, Saha JG, Lee YW. .1973. Metabolism of lindane 14C in the rabbit: Ether soluble urinary metabolites. J Agric Food Chem 21:811-818.
- *Kauppinen T, Lindroos L. 1985. Chlorophenol exposure in sawmills. Am Ind Hyg Assoc J 46(1):34-38.
- *Kavlock RJ. 1990. Structure-activity relationships in the developmental toxicity of substituted phenols: *In vivo* effects. Teratology 41(1):43-60.
- *Kawaguchi H. 1992a. Determination of direct and indirect photolysis rates of 2-chlorophenol in humic acid solution and natural waters. Chemosphere 25(5):635-641.
- *Kawaguchi H. 1992b. Photolysis of 2-chlorophenol in natural waters. Journal of Contaminant Hydrology 9:105-114.
- *Kilzer L, Scheunert I, Geyer H, et al. 1979. Laboratory screening of the volatilization rates of organic chemicals from water and soil. Chemosphere 8:7511-761.
- *Kimber I, Weisenberger C. 1991. Anamnestic responses to contact allergens: Application in the murine local lymph node assay. Journal of Applied Technology 2:129-133.
- *Kinae N, Hashizume T, Makita T, et al. 1981. Studies on the toxicity of pulp and paper mill effluents. I. Mutagenicity. Water Research 15: 17-24.
- *Kintz P, Tracqui A, Mangin P. 1992. Accidental death caused by the absorption of 2,4-dichlorophenol through the skin. Arch Toxicol 66:298-299.
- *Kitchin KT, Brown JL. 1988. Biochemical effects of three chlorinated phenols in rat liver. Toxicol Environ Chem 16:165-172.
- *Kitchin KT, Brown JL, Kulkarni AP. 1993. Predicting rodent carcinogenicity of halogenated hydrocarbons by *in vivo* biochemical parameters. Teratogenesis, Carcinogenesis, and Mutagenesis 13:167-184.
- *Kitunen V, Valo R, Salkinoja-Salonen M. 1985. Analysis of chlorinated phenols, phenoxyphenols and dibenzofurans around wood preserving facilities. Int J Environ Anal Chem 20: 13-28.
- *Kitunen V, Valo RJ, Salkinoja-Salonen M. 1987. Contamination of soil around wood-preserving facilities by polychlorinated aromatic compounds. Environ Sci Technol 21(1):96-101.

8. REFERENCES

- *Kiyohara H, Hatta T, Ogawa Y, et al. 1992. Isolation of *Pseudomonas pickettii* strains that degrade 2,4,6-trichlorophenol and their dechlorination of chlorophenols. *Appl Environ Microbiol* 58(4):1276-1283.
- *Kjeldsen P, Kjolholt J, Schultz B, et al. 1990. Sorption and degradation of chlorophenols, nitrophenols and organophosphorus pesticides in the subsoils under landfills: Laboratory studies. *J Contam Hydrol* 6(2):165-184.
- *Kleinman GD, Horstman SW, Kalman DA, et al. 1986. Industrial hygiene, chemical and biological assessments of exposures to a chlorinated phenolic sapstain control agent. *Am Ind Hyg Assoc J* 47(12):73 1-741.
- *Kobayashi S, Toida S, Kawamura H, et al. 1972. [Chronic toxicity of 2,4-dichlorophenol in mice: A simple design for the toxicity of residual metabolites of pesticides.] *Toho Igakkai Zasshi* 19:356-362. (Japanese).
- *Kochany J, Bolton JR. 1991. Mechanism of photodegradation of aqueous organic pollutants. 1. EPR Spintrapping technique for the determination of .OH radical rate constants in the photooxidation of chlorophenols following photolysis of H₂O₂. *Journal of Physical Chemistry*, 95:5 116-5120.
- *Kogevinas M, Saracci R, Bertazzi PA, et al. 1992. Cancer mortality from soft-tissue sarcoma and malignant lymphomas in an international cohort of workers exposed to chlorophenoxy herbicides and chlorophenols. *Chemosphere* 25(7-10):1071-1076.
- Koh SC, McCullar MV, Focht DD. 1996. Biodegradation of 2,4-dichlorophenol through a productive meta ringcleavage pathway [Abstract]. 96th general meeting of the American Society for Microbiology 96(0):417.
- *Komori M, Nishio K, Kitada M, et al. 1990. Fetus-specific expression of a form of cytochrome P-450 in human liver. *Biochemistry* 29:4430-4433.
- Kontsas H, Rosenberg C, Jappinen P, et al. 1993. Glass fibre prefilter-XAD-2 sampling and gas chromatographic determination of airborne chlorophenols. *Journal of Chromatography* 636:255-261.
- *Koransky W, Munch G, Noack G, et al. 1975. Biodegradation of alpha-hexachlorocyclohexane. V. Characterization of the major urinary metabolites. *Naunyn Schmiedebergs Arch Pharmacol* 288(1):65-78.
- *Korte F, Freitag D, Geyer H, et al. 1978, Ecotoxicologic profile analysis: A concept of establishing ecotoxicologic priority lists for chemicals. *Chemosphere* 7:79-102.
- *Krijgheld KR, Van der Gen A. 1986. Assessment of the impact of the emission of certain organochloride compounds on the aquatic environment. Part I: Monochlorophenols and 2,4-dichlorophenol. *Chemosphere* 15(7):825-860.
- *Krishnan K, Andersen ME. 1994. Physiologically-based pharmacokinetic modeling in toxicology. In: Hayes W, ed. *Principles and methods of toxicology*. 3rd edition, New York, NY: Raven Press, Ltd.
- *Krishnan K, Andersen ME, Clewell HJ, III, et al. 1994. Physiologically-based pharmacokinetic modeling of chemical mixtures. In: Yang RSA, ed. *Toxicology of chemical mixtures*, New York, NY: Academic Press.

8. REFERENCES

- *Ku Y, Leu RM, Lee KC. 1996. Decomposition of 2-chlorophenol in aqueous solution by UV irradiation with the presence of titanium dioxide. *Wat Res* 30(11):2569-2578.
- Kuo CW, Genthner BRS. 1996. Effect of added heavy metal ions on biotransformation and biodegradation of 2-chlorophenol and 3-chlorobenzoate in anaerobic bacterial consortia. *Appl Environ Microbiol* 62(7):2317-2323.
- *Kusters E, Lauwerys R. 1990. Biological monitoring of exposure to monochlorobenzene. *Int Arch Occup Environ Health* 62(4):329-33.
- *Kutz FW, Cook BT, Carter-Pokras OD, et al. 1992. Selected pesticide residues and metabolites in urine from a survey of the U.S. general population. *Journal of Toxicology and Environmental Health* 37:277-291.
- *Lawlor T, Haworth SR, Voytek P. 1979. Evaluation of the genetic activity of nine chlorinated phenols, seven chlorinated benzenes and three chlorinated hexanes. *Environ Mutagen* 1:143-148.
- *Leeder JS, Kearns CL. 1997. Pharmacogenetics in pediatrics: Implications for practice. *Ped Clin North America* 44:55-77.
- *Leuenberger C, Ligocki MP, Pankow JF. 1985. Trace organic compounds in rain. IV. Identities, concentrations, and scavenging mechanisms for phenols in urban air and rain. *Environ Sci Technol* 19:1053-1058.
- *Leung H. 1993. Physiologically-based pharmacokinetic modeling. In: Ballantyne B, Marrs T, Turner P, eds. *General and applied toxicology*. Vol. I. New York, NY: Stockton Press, 153-164.
- Liber K, Solomon KR, Carey JH. 1997. Persistence and fate of 2,3,4,6-tetrachlorophenol and pentachlorophenol in limnocorrals. *Environmental Toxicology and Chemistry* 16(2):293-305.
- *Lindross L, Koskinen H, Mutanen P, et al. 1987. Urinary chlorophenols in sawmill workers. *Int Arch Occup Environ Health* 59:463-467.
- Lindstrom K, Nordin J. 1976. Gas chromatography-mass spectrometry of chlorophenols in spent bleach liquors. *J Chromatogr* 128:13-26.
- *Liu D, Pacepavicius G. 1990. A systematic study of the aerobic and anaerobic biodegradation of 18 chlorophenols and 3 cresols. *Toxicity Assessment* 5(4):367-388.
- *Loehr RC, Krishnamoorthy R. 1988. Terrestrial bioaccumulation potential of phenolic compounds. *Hazardous Waste and Hazardous Materials* 5:109-128.
- *Lynge E. 1985. A follow-up study of cancer incidence among workers in manufacture of phenoxy herbicides in Denmark. *Br J Cancer* 52:259-270.
- Maa YF, Hsu CC. 1996. Aggregation of recombinant human growth hormone induced by phenolic compounds. *International Journal of Pharmaceutics* 140:155-168.

8. REFERENCES

- *Macdonald JL, Wallace SM, Mahachai V, et al. 1992. Both phenolic and acyl glucuronidation pathways of diflunisal are impaired in liver cirrhosis. *Eur J Clin Pharmacol* 42(5):471-474.
- *Malloy TA, Goldfarb TD, Surico MTJ. 1993. PCDDs, PCDFs, PCBs, chlorophenols (CPs) and chlorobenzenes (CBzs) in samples from various types of composting facilities in the United States. *Chemosphere* 27(1-3):325-334.
- *Martin U, Temple RM, Winney RJ, et al. 1991. The disposition of paracetamol and the accumulation of its glucuronide and sulphate conjugates during multiple dosing in patients with chronic renal failure. *Eur J Clin Pharmacol* 41(1):43-46.
- *Matus V, Vasquez M, Vicente M, et al. 1996. Microbial mineralization of 2,4,5-trichlorophenol in soil. *Environ Sci Technol* 30: 1472-1476.
- *Mayura K, Smith EE, Clement BA, et al. 1991. Evaluation of the developmental toxicity of chlorinated phenols utilizing hydra attenuata and postimplantation rat embryos in culture. *Toxicol Appl Pharmacol* 108(2):253-266.
- *McCollister DD, Lockwood DT, Rowe VK. 1961. Toxicologic information on 2,4,5-trichlorophenol. *Toxicol Appl Pharmacol* 3:63-70.
- *McGregor DB, Brown A, Cattanaach P, et al. 1988. Responses of the LS 178Y^{tk+/tk-} mouse lymphoma cell forward mutation assay. III. 72 Coded chemicals. *Environ Mol Mutagen* 12:85-154.
- *Mehmood Z, Kelly DE, Kelly SL. 1997. Cytochrome P450 3A4 mediated metabolism of 2,4-dichlorophenol. *Chemosphere* 34(11):2281-2291.
- *Merriman JC. 1988. Distribution of organic contaminants in water and suspended solids of the Rainy River (Canada, USA). *Wat Pollut Res J Can* 23(4):590-601.
- *Mitsuda H, Murakami K, Kawai F. 1963. Effect of chlorophenol analogues on the oxidative phosphorylation in rat liver mitochondria. *Agric Biol Chem* 27:366-372.
- *Morales A, Birkhols DA, Hrudey SE. 1992. Analysis of pulp mill effluent contaminants in water, sediment, and fish muscle - chlorophenols and related compounds. *Water Environment Research* 64(5):669-681.
- Moreno MJ, Pellicer S, Fernandez-Otero MP. 1996. Effects of different subchronic treatments with lindane on some brush border enzymes in rat jejunum. *J Physiol Biochem* 52(1):37-44.
- *Morselli PL, France-Morselli R, Bossi L. 1980. Clinical pharmacokinetics in newborns and infants. *Clin Pharmacokin* 5:485-527.
- Murayama JI, Ishiwata M, Fukui M, et al, 1990. Comparative acute cytotoxicities of 37 xenobiotics detected in drinking water to rat hepatocyte primary culture. *Eisei Kagaku* 36(4):267-276.
- *Murphy RS, Kutz FW, Strassman SC. 1983. Selected pesticide residues or metabolites in blood and urine specimens from a general population survey. *Environmental Health Perspect* 48:81-86.

8. REFERENCES

- *Mussalo-Rauhamaa H, Pyysale H, Antervo K. 1989. The presence of chlorophenols and their conjugates in Finnish human adipose and liver tissues. *The Science of the Total Environment* 83:161-172.
- Nanny MA, Bortiatynski JM, Tien M, et al. 1996. Investigations of enzymatic alterations of 2,4-dichlorophenol using ¹³C-nuclear magnetic resonance in combination with site-specific ¹³C-labeling: understanding the environmental fate of this pollutant. *Environmental Toxicology and Chemistry* 15(11):1857-1864.
- *Narang AS, Vernoy CA, Eadon GA. 1983. Evaluation of Nielsen-Kryger steam distillation technique for recovery of phenols from soil. *J Assoc Off Anal Chem* 66:1330-1334.
- *Narasimhan TR, Mayura K, Clement BA, et al. 1992. Effects of chlorinated phenols on rat embryonic and hepatic mitochondrial oxidative phosphorylation. *Environmental Toxicology and Chemistry* 11(6):805-814.
- NAS. 1982. *Drinking water and health*. Vol. 4. National Academy of Sciences. Washington, DC: National Academy Press, 268.
- NAS. 1987. *Drinking water and health*. Vol. 7. National Academy of Sciences. Washington, DC: National Academy Press, 173.
- *NAS/NRC. 1989. *Biologic markers in reproductive toxicology*. National Academy of Sciences/National Research Council. Washington, DC: National Academy Press, 15-35.
- *NATICH. 1992. NATICH database: Report of federal, state, and local air toxics activities. National Air Toxics Information Clearinghouse, 4-59,4-85,4-229,4-242.
- *NCI. 1979. Bioassay of 2,4,6-trichlorophenol for possible carcinogenicity. National Cancer Institute, Carcinogenesis Testing Program, Bethesda, MD. DHEWIPUBNIH-79-1711; NCI-CG-TR-155.
- *NIOSH. 1994. NIOSH manual of analytical methods 4th ed. U.S. Department of Health and Human Services Methods 2014.
- *NOES. 1990. National Occupational Exposure Survey (1981-1983). U.S. Department of Health and Human services, National Institute for Occupational Safety and Health, Cincinnati, OH. July 1, 1990.
- *NRC. 1993. *Pesticides in the diets of infants and children*. National Research Council, Washington DC: National Academy Press.
- *NTP. 1989. National Toxicology Program- technical report series no. 353. Toxicology and carcinogenesis studies of 2,4-dichlorophenol in F344/N rats and B6C3F1 mice (feed studies). U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health. Research Triangle Park, NC.
- *NTP. 1994. Seventh annual report on carcinogens. Summary 1994. U.S. Department of Health and Human Services, iv-viii, 392-394.
- *Oberg T, Warman K, Bergstrom J. 1989. Production of chlorinated aromatics in the post-combustion zone and boiler. *Chemosphere* 19(1-6):317-322.

8. REFERENCES

- *Ogata M, Taguchi T, Hirota N, et al. 1991. Quantitation of urinary chlorobenzene metabolites by HPLC: Concentrations of 4-chlorocatechol and chlorophenols in urine and of chlorobenzene in biological specimens of subjects exposed to chlorobenzene. *Int Arch Occup Environ Health* 63(2):121-128.
- *Oglesby LA, Ebron-McCoy MT, Logsdon TR, et al. 1992. *In vitro* embryotoxicity of a series of parasubstituted phenols: Structure, activity, and correlation with *in vivo* data. *Teratology* 45(1):11-34.
- *Ohta H. 1991. Measurement of serum immunoreactive beta-glucuronidase: A possible serological marker for histological hepatic cell necrosis and to predict the histological progression of hepatitis. *Hokkaido Igaku Zasshi* 66(4):545-557.
- *Oikari A, Holmbom B, Anas E, et al. 1985. Ecotoxicological aspects of pulp and paper mill effluents discharged to an inland water system: Distribution in water and toxicant residues and physiological effects in caged fish (*Salmo gairdneri*). *Aquatic Toxicology* 6:219-239.
- *Onfelt A. 1987. Spindle disturbances in mammalian cells. III. Toxicity, c-mitosis and aneuploidy with 22 different compounds: Specific and unspecific mechanisms. *Mutat Res* 182:135-154.
- *One Y, Somiya I, Kawaguchi T. 1992. Genotoxic evaluation on aromatic organochlorine compounds by using *umu* test. *Water Science Technology* 26(1-2):61-69.
- *OTA. 1990. Neurotoxicology: Identifying and controlling poisons of the nervous system. Office of Technology Assessment, Washington, DC. OTB-BA-438.
- *Ott MG, Holder BB, Olsen RD. 1980. A mortality analysis of employees engaged in the manufacture of 2,4,5-trichlorophenoxyacetic acid. *Journal of Occupational Medicine* 22(1):47-50.
- *Ott MG, Olson RA, Cook RR, et al. 1987. Cohort mortality study of chemical workers with potential exposure to the higher chlorinated dioxins. *J Occup Med* 29(5):422-429.
- *Owen GM, Brozek J. 1966. Influence of age, sex, and nutrition on body composition during childhood and adolescence. In: Falkner, ed. *Human development*. Philadelphia, PA: Saunders, 222-238.
- *Paasivirta S, Heinola K, Humpi T, et al. 1985. Polychlorinated phenols, guaiacols and catechols in environment. *Chemosphere* 14:469-491.
- Patnaik GK, Kanungo PK, Adhya TK, et al. 1996. Effect of repeated applications of gamma-hexachlorocyclohexane (γ -HCH) on nitrogenase activity and nitrogen-fixing bacteria associated with rhizosphere of tropical rice. *Microbial Res* 151:375-378.
- *Pearce NE, Smith AH, Howard JK, et al. 1986. Non-Hodgkin's lymphoma and exposure to phenoxyherbicides, chlorophenols, fencing work, and meat works employment: A case-control study. *Br J Ind Med* 43:75-83.
- *Pearce NE, Smith AH, Reif JS. 1988. Increased risks of soft tissue sarcoma malignant lymphoma and acute myeloid leukemia in abattoir workers. *Am J Ind Med* 14:63-72.

8. REFERENCES

- *Pekari K, Boudene C, Aitio A. 1986. Kinetics of 2,4,6-trichlorophenol in different organs of the rat. Arch Toxicol 59:41-44.
- *Pekari K, Luotamo M, Jaervisalo J, et al. 1991. Urinary excretion of chlorinated phenols in saw-mill workers. Int Arch Occup Environ Health 63(1):57-62.
- *Persson P-E. 1984. Uptake and release of environmentally occurring odorous compounds by fish: A review. Water Research 18:1263-1271.
- *Phornchirasilp S, DeSouza JJ, Feller DR. 1989a. *In vivo* and *in vitro* studies of the hepatotoxic effects of 4-chlorophenol in mice. Biochem Pharmacol 38(6):961-972.
- *Phornchirasilp S, Patel ST, Hanson JM, et al. 1989b. Pharmacologic effects of 4-chlorophenol in rats: Comparison to clofibrate. Proc Soc Exp Biol Med 191(2):139-146.
- *Piwoni MD, Wilson JT, Walters DM, et al. 1986. Behavior of organic pollutants during rapid-infiltration of wastewater into soil. I. Processes, definition, and characterization using a microcosm. Hazard Waste Hazard Mater 3:43-55.
- *Plumb RH, Jr. 1991. The occurrence of Appendix IX organic constituents in disposal site ground water. Ground Water Monit Rev 11(2):157-164.
- Porras MG, Reyes J, Roman MC, 1996. The rat thymus contains a heparin-binding factor that modulates steroidogenesis in the testis. Acta Physiol 46(4):286-293.
- *Probst GS, McMahon RE, Hill LE, et al. 1981. Chemically-induced unscheduled DNA synthesis in primary rat hepatocyte cultures: A comparison with bacterial mutagenicity using 218 compounds. Environ Mutagen 3:11-32.
- *Rapson WH, Nazar MA, Bulsky VV. 1980. Mutagenicity produced by aqueous chlorination of organic compounds. Bull Environ Contam Toxicol 24:590-596.
- *Rasanen L, Hattula ML, Arstila AU. 1977. Mutagenicity of MCPA and its soil metabolites, chlorinated phenols, catechols and some widely used slimicides in Finland. Bull Environ Contam Toxicol 18:565-571.
- Raszyk J, Toman M, Gajduskova V, et al. 1997. Effects of environmental pollutants on the porcine and bovine immune systems. Vet Med 42(11):313-317.
- *Realini PA. 1981. Determination of priority pollutant phenols in water by HPLC. Journal of Chromatographic Science 19:124-129.
- *Renner G, Mucke W. 1986. Transformations of pentachlorophenol. Part I. Metabolism in animals and man. Toxicological and Environmental Chemistry 11:9-29.
- *Rhodia. 1978. Skin corrosion test of para-chlorophenol in rabbits. Submitted to EPA by Rhone-Poulenc, TSCA 8ECP. Microfiche No. OTS0537521.

8. REFERENCES

- *Roberts MS, Anderson RA, Swarbrick J. 1977. Permeability of human epidermis to phenolic compounds. *J Pharm Pharmacol* 29:677-683.
- *Robson AM, Kissane JM, Elvick NH, et al. 1969. Pentachlorophenol poisoning in a nursery for newborn infants. I. Clinical features and treatment. In: Shirkey HC, Nyhan WL, eds. *Pediatric pharmacology and therapeutics*. St Louis, MO, 309-316.
- *Rodwell DE, Wilson RD, Nemecek MD, et al. 1989. Teratogenic assessment of 2,4-dichlorophenol in Fischer 344 rats. *Fundam Appl Pharmacol* 13:635-640.
- *RTI. 1987. Teratologic evaluation of 2,3,4,6-tetrachlorophenol (CAS no. 58-90-2) administered to CD rats on gestational days 6 through 15. Final report. U.S. Environmental Protection Agency, Research Triangle Park, NC. EPA/530/SW-88/017A [peer review in progress]
- Rudel H. 1997. Volatilization of pesticides from soil and plant surfaces. *Chemosphere* 35(1/2):143-152.
- Ruth JH. 1986. Odor thresholds and irritation levels of several chemical substances: A review. *Am Ind Hyg Assoc J* 47:A-141-A-151.
- *Sakagami Y, Yamazaki H, Ogasawara N, et al. 1988. The evaluation of genotoxic activities of disinfectants and their metabolites by *umu* test. *Mutat Res* 209(3-4):155-160.
- *Saracci R, Kogevinas M, Bertazzi PA, et al. 1991. Cancer mortality in workers exposed to chlorophenoxy herbicides and chlorophenols. *Lancet* 338(8774):1027-1032.
- *Schellenberg K, Leuenberger C, Schwarzenbach RP. 1984. Sorption of chlorinated phenols by natural sediments and aquifer materials. *Environ Sci Technol* 18(9):652-657.
- Schilder H, Amsterdam M. 1959. Inflammatory potential of root canal medicaments: A preliminary report including nonspecific drugs. *Oral Surgery, Oral Medicine, and Oral Pathology* 12(2):211-221.
- *Schwarzenbach RP, Westall J. 1985. Sorption of hydrophobic trace organic compounds in groundwater systems. *Water Sci Technol* 17(9):39-56.
- *Schwetz BA, Keeler PA, Gehring PJ. 1974. Effects of purified and commercial grade tetrachlorophenol on rat embryonal and fetal development. *Toxicol Appl Pharmacol* 28(1): 146-150.
- *Scow K, Goyer M, Perwak J, et al. 1982. Exposure and risk assessment for chlorinated phenols (2-chlorophenol, 2,4-dichlorophenol, 2,4,6-trichlorophenol). Cambridge, MA: Arthur D. Little. EPA 440/4-85-007; NTIS PB85-211951.
- *Scully FE Jr, Hoigne J. 1987. Rate constants for reactions of singlet oxygen with phenols and other compounds in water. *Chemosphere* 16:681-694.
- *Setchell BP, Waites GMH. 1975. The blood testis barrier. In: Creep RO, Astwood EB, Greiger SR, eds. *Handbook of physiology: Endocrinology V*. Washington, DC: American Physiological Society.

8. REFERENCES

- *Seuferer SL, Braymer I-ID, Dunn JJ. 1979. Metabolism of diflubenzuron by soil microorganisms and mutagenicity of the metabolites. *Pesticide Biochemistry and Physiology* 10: 174-180.
- *Seyler DE, East JM, Condie LW, et al. 1984. The use of *in vitro* methods for assessing reproductive toxicity: Dichlorophenols. *Toxicol Lett* 20:309-315.
- *Shafik TM, Sullivan HC, Enos HR. 1973, Multiresidue procedure for halo- and nitrophenols: Measurement of exposure to biodegradable pesticides yielding these compounds as metabolites. *J Agric Food Chem* 21:295-298.
- *Shang-Zhis, Stanley G. 1983. High-performance liquid chromatographic analysis of chlorophenols in cardboard food containers and related materials. *Journal of Chromatography* 267(1): 183-189.
- *Shannon RD, Boardman GD, Dietrich AM, et al. 1991. Mitochondrial response to chlorophenols as a shortterm toxicity assay. *Environmental Toxicology and Chemistry* 10(1):57-66.
- Sharma HA, Barber JT, Ensley HE, et al. 1997. A comparison of the toxicity and metabolism of phenol and chlorinated phenols by *Lemna Gibbs*, with special reference to 2,4,5-trichlorophenol. *Environmental Toxicology and Chemistry* 16(2):346-350.
- *Shen SY, Villeneuve DC, Chu I, et al. 1983. Acute dermal toxicity of tetrachlorophenols in the rat. *Bull Environ Contam Toxicol* 3 1(6):680-685.
- *Shiu W-Y, Ma K-C, Varhanickova D, et al. 1994. Chlorophenols and alkylphenols: A review and correlation of environmentally relevant properties and fate in an evaluative environment. *Chemosphere* 29(6):1155-1224.
- *Simmon VF, Kauhanen K, Tardiff RG. 1977. Mutagenic activity of chemicals identified in drinking water. *Dev Toxicol Environ Sci* 2:249-258.
- *Sithole BB, Williams DT. 1986. Halogenated phenols in water at forty Canadian potable water treatment facilities. *J Assoc Off Anal Chem* 807-810.
- *Sittig M, ed. 1985. *Handbook of toxic and hazardous chemicals and carcinogens*. 2nd ed. Park Ridge, NJ: Noyes Data Corp, 886.
- *Smith AE. 1985. Identification of 2,4-dichloroanisole and 2,4-dichlorophenol as soil degradation products of ring-labelled [¹⁴C]2,4-D. *Bull Environ Contam Toxicol* 34:150-157.
- *Smith AH, Pearce NE, Fisher DO, et al. 1984. Soft tissue sarcoma and exposure to phenoxyherbicides and chlorophenols in New Zealand. *J Natl Cancer Inst* 73(5):1111-1117.
- *Solis-Herruzo JA, Garcia-Cabezudo J, Diaz-Rubio C, et al. 1986. Urinary excretion of enzymes in cirrhotics with renal failure. *J Hepatol* 3(1):123-130.
- *Solomon K, Bergman H, Huggett R. 1994. A review and assessment of the ecological risks associated with the use of chlorine dioxide for the bleaching of pulp. Canadian Pulp & Paper Association, Pulp Bleaching 1994 International Conference 145-161.

8. REFERENCES

- *Somani SM, Khalique A. 1982. Distribution and metabolism of 2,4-dichlorophenol in rats. *J Toxicol Environ Health* 9:889-897.
- *Somani SM, Smart T, Khalique A. 1984. Metabolism of 2,4-dichlorophenol by isolated perfused rat liver. *J Toxicol Environ Health* 13:787-798.
- *Spencer B, Williams RT. 1950. The metabolism of halogenobenzenes: A comparison of the glucuronic acid, ethereal sulphate and mercapturic acid conjugations of chloro-, bromo-, and iodo-benzenes and of the o-, m-, and p-chlorophenols. Biosynthesis of o-, m-, and p-chlorophenylglucuronides. *Biochem J* 47:279-284.
- Sreenivasa MA, Visweswariah K, Suryanarayana Raju G et al. 1983. Distribution and degradation of HCH & DDT residues in butter milk, butter & butter oil during processing. *Indian J Med Res* 78:151-155.
- *Staples CA, Werner A, Hoogheem T. 1985. Assessment of priority pollutant concentrations in the United States using STORET database. *Environ Toxicol Chem* 4:131-142.
- Steiert JG, Crawford RL. 1985. Microbial degradation of chlorinated phenols. *Trends in Biotechnology* 3(12):300-305.
- *Steiert JG, Pignatello JJ, Crawford RL. 1987. Degradation of chlorinated phenols by a pentachlorophenol-degrading bacterium. *Appl Environ Microbiol* 53:907-910.
- *Stein VB, Narang RS. 1984. Chlorinated compounds and phenols in tissue, fat, and blood from rats fed industrial waste site soil extract: Methods and analysis. *J Assoc Off Anal Chem* 67:111-116.
- *Stockdale M, Selwyn MJ. 1971. Effects of ring substituents on the activity of phenols as inhibitors and uncouplers of mitochondrial respiration. *Eur J Biochem* 21(4):565-574.
- *Stoner GD, Conran PB, Greisiger EA, et al. 1986. Comparison of two routes of chemical administration on the lung adenoma response in strain A/J mice. *Toxicol Appl Pharmacol* 82: 19-31.
- *Stover EL, Kincannon DF. 1983. Biological treatability of specific organic compounds found in chemical industry wastewaters. *J Water Pollut Contr Fed* 55:97-109.
- *Strobel K, Grummt T. 1987. Aliphatic and aromatic halocarbons as potential mutagens in drinking water. Part II. Chlorinated phenols. *Toxicol Environ Chem* 14:143-156.
- *Sugiura K, Aoki M, Kaneki S, et al. 1984. Fate of 2,4,6-trichlorophenol, pentachlorophenol, p-chlorobiphenyl, and hexachlorobenzene in an outdoor experimental pond: Comparison between observations and predictions based on laboratory data. *Arch Environ Contam Toxicol* 13:745-758.
- *Sutton PA, Barker JF. 1985. Migration and attenuation of selected organics in a sandy aquifer-a natural gradient experiment. *Ground Water* 23: 10-16.
- *Tabak HH, Quave SA, Mashni CI, et al. 1981. Biodegradability studies with organic priority pollutant compounds. *J Water Pollut Contr Fed* 53:1503-1518.

8. REFERENCES

The SD, Maltha JC. 1976. "Long distance" action of parachlorophenol and formalin in polyethylene tubes implanted in guinea pigs. *Oral Surg Oral Med Oral Pathol* 41(2):244-250.

The SD, Maltha JC, Plasschaert AJM. 1981. Reactions of guinea pig subcutaneous connective tissue to direct or long distance exposure to parachlorophenol- or formalin-containing endodontic drugs. *J Endodontic* 7:22-26.

*Themel K, Sparling R, Oleszkiewicz J. 1996. Anaerobic dehalogenation of 2-chlorophenol by mixed bacterial cultures in absence methanogenesis. *Environ Technol* 17:869-875.

*Thomas RG. 1982. Environmental behavior of organic compounds. In: Lyman WJ, Reehl WF, Rosenblatt DH, eds. *Handbook of chemical property estimation methods*. New York, NY: McGraw-Hill Book Company, 15-9 to 15-31.

Tiemann U, Schneider F, Tuchscherer A. 1996. Effects of organochlorine pesticides on DNA synthesis of cultured oviductal and uterine cells and on estrogen receptors of uterine tissue from heifers. *Arch Toxicol* 70:490-496.

Tiernan TO, Taylor ML, Garrett JH, et al. 1985. Sources and fate of polychlorinated dibenzodioxins, dibenzofurans, and related compounds in human environments. *Environ Health Perspect* 59:145-158.

Tong Z, Qingxiang Z, Hui H. 1997. Removal of toxic phenol and 4-chlorophenol from waste water by horseradish peroxidase. *Chemosphere* 34(4):893-903.

*Tratnyek PG, Hoigne J. 1991. Oxidation of substituted phenols in the environment: A QSAR analysis of rate constants for reaction with singlet oxygen. *Environ Sci Technol* 25:1596-1604.

TR188. 1989. Toxics Release Inventory. Office of Toxic Substances, U.S. Environmental Protection Agency, Washington, DC.

TR192. 1994. Toxics Release Inventory. Office of Toxic Substances, US. Environmental Protection Agency, Washington, DC.

*TRI96 1998. 1998. Toxics Release Inventory. Office of Toxic Substances, U.S. Environmental Protection Agency, Washington DC.

Tschochner F, Pilz-Mittenburg W, Bunzt H, et al. 1989. Determination of chlorophenols in aqueous, solid and gas samples by GC/ECD and GC/MS. *Z Wasser-Abwasser-Forsch* 22(6):267-271.

*Vaishnav DD, Korthals ET. 1988. Comparison of chemical biodegradation rates in BOD dilution and natural waters. *Bull Environ Contam Toxicol* 41:291-298.

*Valencia R, Mason JM, Woodruff RC, et al. 1985. Chemical mutagenesis testing in *Drosophila*. III. Results of 48 coded compounds tested for the National Toxicology Program. *Environ Mutagen* 7:325-348.

Valentovic MA, Rogers B A, Meadows MK, et al. 1997. Characterization of methemoglobin formation induced by 3,5-dichloroaniline, 4-amino-2,6-dichlorophenol and 3,5-dichlorophenylhydroxylamine. *Toxicology* 118:23-36.

8. REFERENCES

- *Vale R, Kitunen V, Salkinoja-Salonen M, et al. 1984. Chlorinated phenols as contaminants of soil and water in the vicinity of two Finnish sawmills. *Chemosphere* 13(8):835-844.
- Valo RJ, Haggblom MM, Salkinoja-Salonen MS. 1990. Bioremediation of chlorophenol containing ground water by immobilized bacteria. *Water Research* 24(2):253-258.
- *van den Berg KJ. 1990. Interaction of chlorinated phenols with thyroxine binding sites of human transthyretin, albumin and thyroid binding globulin. *Chem Biol Interactions* 76:63-75.
- *van Roosmalen PB, Klein AL, Drummond I. 1980. Simultaneous determination by gas chromatography of phenol, 2-chlorophenol, 2,4- and 2,6-dichlorophenol, 2,4,6-trichlorophenol, and 2,3,5,6-tetrachlorophenol in the urine of industrially exposed workers. *Int Arch Occup Environ Health* 45(1):57-62.
- *Veith GD, Macek KJ, Petrocelli SR, et al. 1980. An evaluation of using partition coefficients and water solubility to estimate bioconcentration factors for organic chemicals in fish. *Aquatic Toxicology ASTM STP707*. Eaton JG, Parrish RP, Hendricks AC, eds., Amer Soc Test Mater 116-129.
- *Vernot EH, MacEwen JD, Haun CC, et al. 1977. Acute toxicity and skin corrosion data for some organic and inorganic compounds and aqueous solutions. *Toxicol Appl Pharmacol* 42:417-423.
- *Viau AC, Studak SM, Karasek FW. 1984. Comparative analysis of hazardous compounds on fly-ash from municipal waste incineration by gas chromatography/mass spectrometry. *Can J Chem* 62:2140-2145.
- Videla LA, Troncoso P, Arisi ACM, et al. 1997. Dose-dependent effects of acute lindane treatment on Kupffer cell function assessed in the isolated perfused rat liver. *Xenobiotica* 27(7):747-757.
- *Vieira I, Sonnier M, Cresteil T. 1996. Developmental expression of CYP2E1 in the human liver: Hypermethylation control of gene expression during the neonatal period. *Eur J Biochem* 238:476-483.
- Waliszewski SM, Pardio VT, Waliszewski KN, et al. 1996. Detection of some organochlorine pesticides in cow's milk. *Food Additives and Contaminants* 13(2):231-235.
- *Wegman RC, van den Broek HH. 1983. Chlorophenols in river sediment in the Netherlands. *Water Res* 17:227-230.
- *Weinbach EC, Garbus J. 1965. The interaction of uncoupling phenols with mitochondria and with mitochondrial protein. *Biol Chem* 240(4):1811-1819.
- *West JR, Smith HW, Chasis H. 1948. Glomerular filtration rate, effective renal blood flow, and maximal tubular excretory capacity in infancy. *J Ped* 32a:10-18.
- *WHO. 1989. Environmental Health Criteria 93. Chlorophenols other than pentachlorophenol. World Health Organization, Geneva, Switzerland
- *Widdowson EM, Dickerson JWT. 1964. Chemical composition of the body. In: Comar CL, Bronner F, eds. *Mineral metabolism: An advanced treatise, volume II, The elements part A*. New York, NY: Academic Press.

8. REFERENCES

- Wiegel J. 1996. Characterization of selected bacteria and enzymes involved in the sequential anaerobic degradation of 2,4-dichlorophenol. Dept. of Microbiology, Georgia Univ.
- *Wieser M, Wagner B, Eberspacher J, et al. 1997. Purification and characterization of 2,4,6-trichlorophenol-4-monooxygenase, a dehalogenating enzyme from *Azotobacter* sp. Strain GPI. *J Bacteriol* 179(1):202-208.
- *Wil Research Laboratories, Inc. 1982. Acute oral toxicity study in Fischer 344 female rats with 2,4-dichlorophenol. Project #WIL-22001. Wil Research Laboratories, Inc., Cincinnati, OH. Unpublished report. [peer reviewed].
- *Williams DT, Lebel GL, Junkins E. 1984. A comparison of organochlorine residues in human adipose tissue autopsy samples from 2 Ontario (Canada) municipalities. *J Toxicol Environ Health* 13(1):19-30.
- *Wishart GJ. 1978a. Demonstration of functional heterogeneity of hepatic uridine diphosphate glucuronosyltransferase activities after administration of 3-methylcholanthrene and phenobarbital to rats. *Biochem J* 174(2):671-672.
- *Wishart GJ. 1978b. Functional heterogeneity of UDP-glucuronosyltransferase as indicated by its differential development and inducibility by glucocorticoids: Demonstration of two groups within the enzyme's activity towards twelve substrates. *Biochem J* 174(2):485-489.
- *Woodrow JE, Majewski MS, Seioer JN. 1986. Accumulative sampling of trace pesticides and other organics in surface water using XAD4 resin. *J Environ Sci Health, Part B* 21(2):143-164.
- *Woods JS, Polissar L, Severson RK, et al. 1987. Soft tissue sarcoma and non-Hodgkin's lymphoma in relation to phenoxyherbicide and chlorinated phenol exposure in western Washington, DC. *J Natl Cancer Inst* 78:899-910.
- *Woods SL, Ferguson JF, Benjamin MM. 1989. Characterization of chlorophenol and chloromethoxybenzene biodegradation during anaerobic treatment. *Environ Sci Technol* 23(1):62-68.
- *Wright LH, Edgerton TR, Arbes SJ, Jr, et al. 1981. The determination of underivatized chlorophenols in human urine by combined high performance liquid chromatography mass spectrometry and selected ion monitoring. *Biomedical Mass Spectrometry* 8(10):475-479.
- *Xie T. 1983. Determination of trace amounts of chlorophenols and chloroguaiacols in sediment. *Chemosphere* 12(9-10):1183-1191.
- Yasuhara A, Morita M. 1988. Formation of chlorinated aromatic hydrocarbons by thermal decomposition of vinylidene chloride polymer. *Environmental Science and Technology* 22:646-650.
- *Yoshida K, Shigeoka T, Yamauchi F. 1987. Evaluation of aquatic environmental fate of 2,4,6-trichlorophenol with a mathematical model. *Chemosphere* 16:2531-2544.
- *Yoshida M, Sunaga M, Hara I. 1986. Urinary metabolite levels in workers exposed to chlorobenzene. *Industrial Health* 24(4):255-258.

8. REFERENCES

- *Yost RA, Fetterolf DD, Hass JR. 1984. Comparison of mass spectrometric methods for trace level screening of hexachlorobenzene and trichlorophenol in human blood serum and urine. *Anal Chem* 56:2223-2228.
- *Young JF, Haley TJ. 1978. A pharmacokinetic study of pentachlorophenol poisoning and the effect of forced diuresis. *Clin Toxicol* 12(1):41-48.
- *Younger Laboratories. 1975. Toxicologic evaluation of ortho-chlorophenol. Final Report. Submitted to EPA by Monsanto. TSCA 8ECP, Microfiche No. OTS053483 1.
- *Younger Laboratories. 1976. Toxicologic investigation of: 2,4-dichlorophenol-93% (final report). Submitted to EPA by Monsanto. TSCA EIECP, Microfiche OTS0534822.
- *Zeiger E, Anderson B, Haworth S, et al. 1988. *Salmonella* mutagenicity tests. IV. Results from the testing of 300 Chemicals. *Environ Mol Mutagen* 11(suppl. 12):1-158.
- *Ziegler EE, Edwards BB, Jensen RL, et al. 1978. Absorption and retention of lead by infants. *Pediatr Res* 12:29-34.
- *Zhang Y, Yang DJ, Fang CR. 1997. Monitoring of organochlorine pesticide residues-the GEMS/ food program in China. *Biomed Environ Sci* 10:102- 106.
- Zhou JL, Fileman TW, Evans S. 1996. Seasonal distribution of dissolved pesticides and polynuclear aromatic hydrocarbons in the humber estuary and humber coastal zone. *Marine Pollution Bulletin* 32(8/9):599-608.
- *Zigler MG, Phillips WF. 1967. Thin-layer chromatographic method for estimation of chlorophenols. *Environ Sci Technol* 1:65-67.

Gynecol. Reprod. Biol. , 9, 273-80. PMID: 400868 Otis EM and Brent R. Equivalent ages in mouse and human embryos. (1954) Anat Rec. 120(1):33-63. Mouse Theiler K. The House Mouse: Atlas of Mouse Development (1972, 1989) Springer-Verlag, NY. Online OTIS EM & BRENT R. (1954). Equivalent ages in mouse and human embryos. Anat. Rec. , 120, 33-63. (1962) Altman PL. and Dittmer DS. ed. Fed. Am. Staging of gastrulating mouse embryos by morphological landmarks in the dissecting microscope. Development , 118, 1255-66. PMID: 8269852. Content: Volume 1. Biology Data Book Front Matter Table of Contents Introduction Abbreviations and Symbols Part I. Genetics and Cytology Part II. Reproduction Part III. Development and Growth Part IV. Properties of Biological Substances Part V. Materials and Methods Appendixes Index Volume 2. Biology Data Book Front Matter Table of Contents Introduction Abbreviations and Symbols Part VI. Biological Regulators and Toxins Part VII. Environment and Survival Part VIII. Parasitism Part IX. ISBN: 978-0-913822-07-4-(Volume-2)-978-0-913822-08-1-(Volume-3). Series: Biological handbooks. File: RAR, 121.79 MB. Save for later. The file will be sent to selected email address. It may takes up to 1-5 minutes before you received it. The file will be sent to your Kindle account. 10-4. 10-5. chicken embryo * 1. Clinical material are taken during first three days of the disease with sterile cotton swabs. Swabs are washed in saline and disposed appropriately. Viruses can be concentrated by adsorption to guinea pig erythrocytes. Any material should be treated with antibiotics (e.g. penicilline +streptomycine) for one hour and tested for sterility before cell culture or chicken egg inoculation. 2. Embryo inoculation 3. Incubation for 3-4 days at 35°C; 4. Sampling of embryo liquids and tissues (see next class). 5. Virus reproduction indication by HT. Oncogenic viruses Oncogenic viruses are able to transform (make cell immortal and cause genome instability and tumor progression) normal cells in vitro and in vivo. Transformation signs: Adhesion loss.