\*Abdo KM, Grumbein S, Chou BJ, et al. 2001. Toxicity and carcinogenicity study in F344 rats following 2 years of whole-body exposure to naphthalene vapors. Inhal Toxicol 13:931-950.

Abraham BM, Liu TY, Robert A, et al. 1993. Data comparison study between field and laboratory detection of polychlorinated biphenyls and polycyclic aromatic hydrocarbons of Superfund sites. Haz Waste Haz Mater 10:461-475.

ACGIH. 1986. Documentation of the threshold limit values and biological exposure indices. 5th ed. Cincinnati, OH: American Conference of Governmental Industrial Hygienists.

ACGIH. 1993. Threshold limit values (TLVs) for chemical substances in the work environment for 1993-1994. Cincinnati, OH: American Conference of Government Industrial Hygienists.

ACGIH. 2001. Threshold limit values for chemical substances and physical agents and biological exposure indices. Cincinnati, OH: American Conference of Government Industrial Hygienists.

\*ACGIH. 2003. Threshold limit values for chemical substances and physical agents and biological exposure indices. Cincinnati, OH: American Conference of Governmental Industrial Hygienists.

\*Adinolfi M. 1985. The development of the human blood-CSF-brain barrier. Dev Med Child Neurol 27:532-537.

\*Adkins B, Van Stee EW, Simmons JE, et al. 1986. Oncogenic response of strain A/J mice to inhaled chemicals. J Toxicol Environ Health 17:311-322.

\*Adlercreutz H. 1995. Phytoestrogens: Epidemiology and a possible role in cancer protection. Environ Health Perspect Suppl 103(7):103-112.

Afolabi OA, Adesulu EA, Oke OL. 1983. Polynuclear aromatic hydrocarbons in some Nigerian preserved freshwater fish species. J Agric Food Chem 31:1083-1090.

\*Agency for Toxic Substances and Disease Registry. 1989. Decision guide for identifying substance-specific data needs related to toxicological profiles; Notice. Fed Regist 54(174):37617-37634.

\*Agency for Toxic Substances and Disease Registry. 1995. Toxicological profile for naphthalene, 1-methylnaphthalene, 2-methylnaphthalene. Atlanta, GA: U.S. Department of Health and Human Services, Agency for Toxic Substances and Disease Registry. http://www.atsdr.cdc.gov/toxprofiles/tp67.html. July 9, 2003.

Ahmad I, Pacheco M, Santos MA, et al. 2003. Naphthalene-induced differential tissue damage association with circulating fish phagocyte induction. Ecotoxicol Environ Saf 54:7-15.

\_

<sup>\*</sup> Cited in text

Ahn IS, Lion TY, Shuler ML. 1999. Validation of a hybrid two-site gamma model for naphthalene desorption kinetics. Environ Sci Technol 33:3241-3248.

Ailsable J, Balks M, Atori N, et al. 1999. Polycyclic aromatic hydrocarbons in fuel-oil contaminated soils, Antartica. Chemosphere 39:2201-2207.

\*Ajao OG, Adenuga MO, Ladipo JK. 1988. Colorectal carcinoma in patients under the age of 30 years: A review of 11 cases. J Royal College Surgeons of Edinburgh 33:277-279.

Aktay G, Cengiz G, Söylemezoğlu T, et al. 2000. Protective effect of nitrendipine on naphthalene-induced oxidative stress. J Fac Pharm Gazi Univ 17(1):19-24.

Alajbeg I, Ivankovic S, Alajbeg IZ, et al. 2002. Antiproliferative effect of non-aromatic oil fractions on squamous cell carcinoma VII: *In vitro* and preliminary *in vivo* results. Period Biol 104(1):89-94.

Albero B, Sanchez-Brunete C, Tadeo J. 2002. Determination of polycyclic aromatic hydrocarbons in honey by matrix solid-phase dispersion and gas chromatography/mass spectrometry. J AOAC Int 86(3):576-582.

\*Alexandrov K. 1973. Effect of some derivatives of naphthalene on aryl hydrocarbon (benzo[a]pyrene) hydroxylase *in vitro*. Experientia 29:1209-1210.

Alexandrov K, Frayssinet C. 1973. Brief communication: *In vivo* effect of some naphthalene-related compounds on aryl hydrocarbon (benzo[a]pyrene) hydroxylase. J Natl Cancer Inst 51:1067-1069.

Allen CCR, Boyd DR, Hempenstall F, et al. 1999. Contrasting effects of a nonionic surfactant on the biotransformation of polycyclic aromatic hydrocarbons to *cis*-dihydrodiols by soil bacteria. Appl Environ Microbiol 65:1335-1339.

Allen JO, Dookeran NM, Smith KA, et al. 1996. Measurement of polycyclic aromatic hydrocarbons associated with size-segregated atmospheric aerosols in Massachusetts. Environ Sci Technol 30:1023-1031.

Almgren M, Grieser F, Powell JR, et al. 1979. A correlation between the solubility of aromatic hydrocarbons in water and micellar solutions, with their normal boiling points. J Chem Eng Data 24:285-287.

\*Altman PL, Dittmer DS. 1974. In: Biological handbooks: Biology data book. Vol. III. 2<sup>nd</sup> ed. Bethesda, MD: Federation of American Societies for Experimental Biology, 1987-2008, 2041.

\*Ambre J, Ruo TI, Smith-Coggins R. 1986. Mothball composition: Three simple tests for distinguishing paradichlorobenzene from naphthalene. Ann Emerg Med 15:724-726.

American Chemistry Council. 2003. Comments from the Naphthalene Panel of the American Chemistry Council to NTP regarding the nomination of naphthalene for listing in the 11th Report on Carcinogens. Arlington, VA: American Chemistry Council.

\*Amoore JE, Hautala E. 1983. Odor as an aid to chemical safety: Odor thresholds compared with threshold limit values and volatilities for 214 industrial chemicals in air and water dilution. J Appl Toxicol 3:272-290.

- \*Andersen ME, Clewell HJ III, Gargas ML, et al. 1987. Physiologically based pharmacokinetics and the risk assessment process for methylene chloride. Toxicol Appl Pharmacol 87:185-205.
- \*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: Refinement, reduction, replacement. New York: Marcel Dekker, Inc., 9-25.
- \*Anziulewicz JA, Dick HJ, Chiarulli EE. 1959. Transplacental naphthalene poisoning. Am J Obstet Gynecol 78:519-521.
- \*APHA. 1992a. Method 6410 (Extractable base/neutrals and acids). In: Standard methods for the examination of water and wastewater. 18th ed. Washington, DC: American Public Health Association.
- \*APHA. 1992b. Method 6440B (Liquid-liquid extraction chromatographic method). In: Standard methods for the examination of water and wastewater. 18th ed. Washington, DC: American Public Health Association.
- \*APHA. 1992c. Method 6440A (Polynuclear aromatic hydrocarbons). In: Standard methods for the examination of water and wastewater. 18th ed. Washington, DC: American Public Health Association.
- \*APHA. 1992d. Method 6210D (Purge and trap capillary-column gas chromatographic/mass spectrometric method). In: standard methods for the examination of water and wastewater. 18th ed. Washington, DC: American Public Health Association.
- \*APHA. 1992e. Method 6220C (Purge and trap gas chromatographic method II). In: Standard methods for the examination of water and wastewater. 18th ed. Washington, DC: American Public Health Association.
- \*APHA. 1992f. Method 6230D (Purge and trap gas chromatographic method). In: Standard methods for the examination of water and wastewater. 18th ed. Washington, DC: American Public Health Association.
- API. 1991. Gasoline vapor exposure assessment at service stations. American Petroleum Institute. Environmental Sciences Department. API Publ No 4553.
- Arena JM. 1970. Poisoning: Toxicology--symptoms--treatments. 2nd ed. Springfield, IL: Charles C. Thomas, 73.
- Ares J. 1993. Occupational exposure to PAHs measured with UV derivative spectroscopy corrected for advective and gaseous losses. Bull Environ Contam Toxicol 51:203-210.
- \*Arfsten DP, Davenport R, Schaeffer DJ. 1994. Reversion of bioluminescent bacteria (Mutatox) to their luminescent state upon exposure to organic compounds, munitions, and metal salts. Biomed Environ Sci 7:144-149.
- Athanasious M, Tsantali C, Trachana M, et al. 1995. Hemolytic anemia in a female newborn infant whose mother inhaled naphthalene before delivery. J Pediatr 130(4):680-681.
- Atkinson R, Aschmann SM. 1987. Kinetics of the gas-phase reactions of alkylnaphthalenes with  $O_3$ ,  $N_2O_5$  and OH radicals at  $298\pm2$  K. Atmos Environ 21:2323-2326.

\*Atkinson R, Arey J, Zielinska B, et al. 1987. Kinetics and products of the gas-phase reactions of OH radicals and N<sub>2</sub>O<sub>5</sub> with naphthalene and biphenyl. Environ Sci Technol 21:1014-1022.

\*Atkinson R, Aschmann SM, Pitts JN Jr. 1984. Kinetics of the reactions of naphthalene and biphenyl with OH radicals and with O<sub>3</sub> at 294±1 K. Environ Sci Technol 18:110-113.

Baehr AL, Stackelberg PE, Baker RJ. 1999. Evaluation of the atmosphere as a source of volatile organic compounds in shallow groundwater. Water Resour Res 35:127-136.

\*Bagchi D, Bagchi M, Balmoori J, et al. 1998a. Induction of oxidative stress and DNA damage by chronic administration of naphthalene to rats. Res Commun Mol Pathol Pharmacol 101(3):249-257.

Bagchi M, Bagchi D, Balmoori J, et al. 1998b. Naphthalene-induced oxidative stress and DNA damage in cultured macrophage J774A.1 cells. Free Radical Biol Med 25(2):137-143.

\*Bagchi D, Balmoori J, Bagchi M, et al. 2000. Role of *p53* tumor suppressor gene in the toxicity of TCDD, endrin, naphthalene, and chromium (VI) in liver and brain tissues of mice. Free Radic Biol Med 28(6):895-903.

\*Bagchi D, Balmoori J, Bagchi M, et al. 2002. Comparative effect of TCDD, endrin, naphthalene and chromium (VI) on oxidative stress and tissue damage in the liver and brain tissues of mice. Toxicology 175:73-82.

Bagchi M, Balmoori J, Ye X, et al. 2001. Protective effect of melatonin on naphthalene-induced oxidative stress and DNA damage in cultured macrophage J774A.1 cells. Mol Cell Biochem 221:49-55.

\*Bahnick DA, Doucette WJ. 1988. Use of molecular connectivity indices to estimate soil sorption coefficients for organic chemicals. Chemosphere 17:1703-1715.

Bakermans C, Hohnstock-Ashe AM, Padmanabhan S, et al. 2002. Geochemical and physiological evidence for mixed aerobic and anaerobic field biodegradation of coal tar waste by subsurface microbial communities. Microb Ecol 44(2):107-117.

\*Bakke J, Struble C, Gustafsson JA, et al. 1985. Catabolism of premercapturic acid pathway metabolites of naphthalene to naphthols and methylthio-containing metabolites in rats. Proc Natl Acad Sci USA 82:668-671.

\*Bakke JE, Davison KL, Larsen GL. 1990. Evidence for the absence of cysteine S-conjugate N-acetyltransferase activity in the metabolism of propachlor, naphthalene, and dichlobanil in calves. Xenobiotica 20:801-807.

Balch GC, Metcalfe CD, Huestis SY. 1995. Identification of potential fish carcinogens in sediment from Hamilton Harbour, Ontario, Canada. Environ Toxicol Chem 14:79-91.

\*Banerjee S, Baughman GL. 1991. Bioconcentration factors and lipid solubility. Environ Sci Technol 25:536-539.

\*Barbee GC. 1994. Fate of chlorinated aliphatic hydrocarbons in the vadose zone and ground water. Ground Water Monit Remed 14:129-140.

\*Barfknecht TR, Naismith RW, Matthews RJ. 1985. Rat hepatocyte primary culture/DNA repair test. PH 311-TX-008-85. 5601-56-1 (unpublished material). Submitted to U.S. EPA by Texaco, Inc. Office of Toxic Substances microfiche no. 0TS0513638.

\*Barnes DG, Dourson M. 1988. Reference dose (RfD): Description and use in health risk assessments. Regul Toxicol Pharmacol 8:471-486.

Baudot PH, Viriot ML, Andre JC, et al. 1991. Analysis of polyaromatic hydrocarbons by synchronous fluorescence spectrometry: Application to occupational health. Analysis 19:85-97.

Bayard R, Barna L, Mahjoub B, et al. 2000. Influence of the presence of PAHs and coal tar on naphthalene sorption in soils. J Contam Hydrol 46(1-2):61-80.

Baynes RE, Brooks JD, Budsaba K, et al. 2001. Mixture effects of JP-8 additives on the dermal disposition of jet fuel components. Toxicol Appl Pharmacol 175:269-281.

Baynes RE, Brooks JD, Riviere JE, et al. 2000. Membrane transport of naphthalene and dodecane in jet fuel mixtures. Toxicol Ind Health 16:225-238.

Beck AJ, Alcock RE, Wilson SC, et al. 1995. Long-term persistence of organic chemicals in sewage sludge-amended agricultural land: A soil quality perspective. Adv Agron 55:345-391.

Beck AJ, Johnson DL, Jones KC. 1996. The form and bioavailability of non-ionic organic chemicals in sewage sludge-amended agricultural soils. Sci Total Environ 185:125-129.

Becker L, Matuschek G, Lenoir D, et al. 2001. Leaching behaviour of wood treated with creosote. Chemosphere 42:301-308.

Bedient PB, Rodgers AC, Bouvette TC, et al. 1984. Ground-water quality at a creosote waste site. Ground Water 22:318-329.

\*Bender ME, Huggett RJ. 1989. Polynuclear aromatic hydrocarbon residues in shellfish: Species variations and apparent intraspecific differences. In: Kaiser HE, ed. Comparative aspects of tumor development. Doredrecht (Netherlands): Kluwer Academic Publishers, 226-234.

Bennett ER, Metcalfe TL, Metcalfe CD. 1996. Semi-permeable membrane devices (SPMDS) for monitoring organic contaminants in the Otonabee River, Ontario. Chemosphere 33:363-375.

Benoit FM, LeBel GL, Williams DT. 1979. Polycyclic aromatic hydrocarbon levels in Eastern Ontario drinking waters, 1978. Bull Environ Contam Toxicol 23:774-778.

\*Benson WH, Dorough HW. 1984. Comparative ester hydrolysis of carbaryl and ethiofencarb in four mammalian species. Pestic Biochem Physiol 21:199-206.

Berg GL, ed. 1984. Farm chemicals handbook 1984. Willoughby, OH: Meister Publishing Co., C159.

\*Berger GS. 1994. Epidemiology of endometriosis. In: Berger GS, ed. Endometriosis: Advanced management and surgical techniques. New York, NY: Springer-Verlag.

Bernabei M, Reda R, Galiero R, et al. 2003. Determination of total and polycyclic aromatic hydrocarbons in aviation jet fuel. J Chromatogr A 985(1-2):197-203.

\*Berry MR, Johnson LS, Jones JW, et al. 1997. Dietary characterizations in a study of human exposure in the lower Rio Grande valley: I. Foods and beverages. Environ Int 23(5):675-692.

\*Bieniek G. 1994. The presence of 1-naphthol in the urine of industrial workers exposed to naphthalene. Occup Environ Med 51:357-359.

Bieniek G. 1997. Urinary naphthols as an indicator of exposure to naphthalene. Scand J Work Environ Health 23:414-420.

Billings RE, Miller NE, Dabbs SE, et al. 1990. Comparison of the toxicity of naphthalene and naphthalene-1,2-dihydrodiol (DIOL). Biological Reactive Intermediates IV:681-684.

Birdsall R, Kikor JJ, Cheney MA. 2001. Uptake of polycyclic aromatic hydrocarbon compounds by the gills of a bivalve mollusk *Ellilptio complanata*. Environ Toxicol Chem 20:309-316.

\*Birman I, Alexander M. 1996. Effect of viscosity of nonaqueous-phase liquids (NAPLs) on biodegradation of NAPL constituents. Environ Toxicol Chem 15(10):1683-1686.

Birnbaum LS, McKinney JD. 1985. A persistent hexabromonaphthalene isomer is 2,3,4,5,6,7-hexabromonaphthalene. J Toxicol Environ Health 16:219-227.

Birnbaum LS, Darcey DJ, McKinney JD. 1983. Hexabromonaphthalene contaminants of polybrominated biphenyls: Chemical composition and disposition in the rat. J Toxicol Environ Health 12:555-573.

\*Bjorseth A, Bjorseth O, Fjeldstad PE. 1978a. Polycyclic aromatic hydrocarbons in the work atmosphere: I. Determination in an aluminum reduction plant. Scand J Work Environ Health 4:212-223.

\*Bjorseth A, Bjorseth O, Fjeldstad PE. 1978b. Polycyclic aromatic hydrocarbons in the work environment. II. Determination in a coke plant. Scand J Work Environ Health 4:224-236.

Bjorseth A, Bjorseth O, Fjeldstad PE. 1981. Polycyclic aromatic hydrocarbons in the work atmosphere: Determination of area-specific concentrations and job-specific exposure in a vertical pin Soderberg aluminum plant. Scand J Work Environ Health 7:223-232.

\*Blomberg S, Roerade J. 1988. An evaluation and comparison of micro-techniques for concentration of volatile components from dilute solutions. Chromatographia 25:21-25.

Bock KW, van Ackeren G, Lorch F, et al. 1976. Metabolism of naphthalene to naphthalene dihydrodiol glucuronide in isolated hepatocytes and in liver microsomes. Biochem Pharmacol 25:2351-2356.

\*Bock KW, von Clausbruch UC, Winne D. 1979. Absorption and metabolism of naphthalene and benzo[a]pyrene in the rat jejunum in situ. Med Biol 57:262-264.

Bohon RL, Claussen WF. 1951. The solubility of aromatic hydrocarbons in water. J Am Chem Soc 73:1571-1578.

Bolton JL. 2000. Role of quinones in toxicology. Chem Res Toxicol 13:135-160.

\*Bolton JL, Trush MA, Penning TM, et al. 2000. Role of quinones in toxicology. Chem Res Toxicol 13(3):2-17.

Bond DL, Thodos G. 1960. Vapor pressures of alkyl aromatic hydrocarbons. J Chem Eng Data 5:289-292.

Bond JA, Wallace LA, Ostermon-Golkar S, et al. 1992. Symposium overview. Assessment of exposure to pulmonary toxicants: Use of biological markers. Fundam Appl Tox 18:161-174.

Boogaard PJ, Vansittert NJ. 1994. Exposure to polycyclic aromatic hydrocarbons in petrochemical industries by measurement of urinary 1-hydroxypyrene. Occup Environ Med 51:250-258.

\*Boom A, Marsalek J. 1988. Accumulation of polycyclic aromatic hydrocarbons (PAHs) in an urban snowpack. Sci Total Environ 74:133-148.

Booth GM, Bradshaw WS, Carter MW. 1983. Screening of priority chemicals for potential reproductive hazard, contract 210-81-6012. Cincinnati, OH: National Institute for Occupational Safety and Health, PB83213017.

\*Bos RP, Theuws JL, Jongeneelen FJ, et al. 1988. Mutagenicity of bi-, tri- and tetra-cyclic aromatic hydrocarbons in the "taped-plate assay" and in the conventional *Salmonella* mutagenicity assay. Mutat Res 204:203-206.

Bosveld A, de Bie PAF, van den Brink, et al. 2002. *In vitro* EROD induction equivalency factors for the 10 PAHs generally monitored in risk assessment studies in The Netherlands. Chemosphere 49:75-83.

Botello AV, Calva LG. 1998. Polycyclic aromatic hydrocarbons in sediments from Pueblo Viejo, Tamiahua, and Tampamachoco Lagoons in the southern Gulf of Mexico. Bull Environ Contam Toxicol 60:96-103.

Botello AV, Villanueva S, Diaz GG. 1997. Petroleum pollution in the Gulf of Mexico and Caribbean Sea. Rev Environ Contam Toxicol 153:91-118.

Botello AV, Villaneuva SF, Diaz GG, et al. 1998. Polycyclic aromatic hydrocarbons in sediments from Salina Cruz Harbour and coastal areas, Oaxaca, Mexico. Mar Pollut Bull 36:554-558.

\*Bourne MC, Young L. 1934. The metabolism of naphthalene in rabbits. Biochem J 28:803-808.

Bouwer EJ, Zhang W, Wilson LP, et al. 1996. Biodegradation of coal tar constituents in aquifer sediments. In: Rubin H, ed. Soil aquifer pollution. Berlin: Springer-Verlag, 173-190.

Bowes RC, Ramos KS. 1994. Assessment of cell-specific cytotoxic responses of the kidney to selected aromatic hydrocarbons. Toxicol In Vitro 8:1151-1160.

Boyd EM, Killham K, Wright J, et al. 1997. Toxicity assessment of xenobiotic contaminated groundwater using lux modified *Pseudomonas fluorescens*. Chemosphere 35:1967-1985.

Boyd MR. 1977. Evidence for the cell as a site of cytochrome P450-dependent mixed-function oxidase activity in lung. Nature 269:713-715.

Boyland E, Sims P. 1958. Metabolism of polycyclic compounds. 12. An acid-labile precursor of 1-naphthylmercapturic acid and naphthol: an N-acetyl-5-(1,2-dihydrohydroxynaphthyl)-L-cysteine. Biochem J 68:440-447.

Boyland E, Sims P. 1960. Metabolism of polycyclic compounds. 16. The metabolism of 1,2-dihydronaphthalene and 1,2-epoxy-1,2,3,4-tetrahydronaphthalene. Biochem J 77:175-181.

Boyland E, Solomon JB. 1955. Metabolism of polycyclic compounds. 8. Acid-labile precursors of naphthalene produced as metabolites of naphthalene. Biochem J 59:518-522.

Boyland E, Weigert F. 1947. Metabolism of carcinogenic compounds. Br Med Bull 4:354-359.

Boyland E, Wiltshire GH. 1953. Metabolism of polycyclic compounds. 7. The metabolism of naphthalene, 1-naphthol and 1,2-dihydroxy-1,2-dihydronaphthalene by animals. Biochem J 53:636-641.

Boyland E, Ramsay GS, Sims P. 1961. Metabolism of polycyclic compounds. 18. The secretion of metabolites of naphthalene. 1,2-dihydronaphthalene and 1,2-epoxy-1,2,3,4-tetrahydronaphthalene in rat bile. Biochem J 78:376-384.

\*Bradley LJ, Magee BH, Allen SL. 1994. Background levels of polycyclic aromatic hydrocarbons (PAH) and selected metals in New England urban soils. J Soil Contam 3:349-361.

Bradley RS, Cleasby TG. 1953. The vapour pressure and lattice energy of some aromatic ring compounds. J Chem Soc (Part II): 1690-1692.

\*Breger RK, Franklin RB, Lech JJ. 1981. Metabolism of 2-methylnaphthalene to isomeric dihydrodiols by hepatic microsomes of rat and rainbow trout. Drug Metab Dispos 9:88-93.

\*Breger RK, Novak RF, Franklin RB, et al. 1983. Further structural analysis of rat liver microsomal metabolites of 2-methylnaphthalene. Drug Metab Dispos 11:319-323.

\*Bregman R. 1954. Mothball poisoning. A case presentation. Clin Proc Child Hosp Dist Columbia 9:1-5.

Brindle ID, Li XF. 1990. Investigation into the factors affecting performance in the determination of polycyclic aromatic hydrocarbons using capillary gas chromatography-mass spectrometry with splitless injection. J Chromatogr 498:11-24.

Bronstein AC, Currance PL. 1988. Emergency care for hazardous materials exposure. St. Louis, MO: The C.V. Mosby Company, :103-104.

\*Brooks JM, Kennicutt MC, Wade TL, et al. 1990. Hydrocarbon distributions around a shallow water multiwell platform. Environ Sci Technol 24:1079-1085.

\*Brown KW, Donnelly KC. 1988. An estimation of risk associated with the organic constituents of hazardous and municipal waste landfill leachates. Haz Waste Haz Mater 5(1):1-30.

Brown SK, Sim MR, Abramson MJ, et al. 1994. Concentrations of volatile organic compounds in indoor air - A review. Indoor Air 4:123-134.

Brubaker WW, Jr, Hites RA. 1998. OH reaction kinetics of polycyclic aromatic hydrocarbons and polychlorinated dibenzo-p-dioxins and dibenzofurans. J Phys Chem 102:915-921.

Brunson EL, Canfield TJ, Dwyer FJ, et al. 1998. Assessing the bioaccumulation of contaminants from sediments of the upper Mississippi River using field-collected oligochaetes and laboratory-exposed lumbriculus variegatus. Arch Environ Contam Toxicol 35:191-201.

\*Brusseau ML. 1991a. Cooperative sorption of organic chemicals in systems composed of low organic carbon aquifer materials. Environ Sci Technol 25:1747-1752.

Brusseau ML. 1991b. Nonequilibrium sorption of organic chemicals: Elucidation of rate-limiting processes. Environ Sci Technol 25:134-142.

\*Buckpitt AR, Bahnson LS. 1986. Naphthalene metabolism by human lung microsomal enzymes. Toxicology 41:333-341.

\*Buckpitt AR, Franklin RB. 1989. Relationship of naphthalene and 2-methylnaphthalene metabolism to pulmonary bronchiolar epithelial cell necrosis. Pharmacol Ther 41:393-410.

\*Buckpitt AR, Warren DL. 1983. Evidence of hepatic formation, export and covalent binding of reactive naphthalene metabolites in extrahepatic tissues *in vivo*. J Pharmacol Exp Ther 225:8-16.

\*Buckpitt AR, Bahnson LS, Franklin RB. 1984a. Hepatic and pulmonary microsomal metabolism of naphthalene to glutathione adducts: Factors affecting the relative rates of conjugate formation. J Pharmacol Exp Ther 231:291-300.

Buckpitt AR, Bahnson LS, Franklin RB. 1984b. Intermediacy of 1-naphthol in the covalent binding and pulmonary toxicity of naphthalene [abstract]. Toxicologist 4:134.

\*Buckpitt AR, Bahnson LS, Franklin RB. 1985. Evidence that 1-naphthol is not an obligate intermediate in the covalent binding and the pulmonary bronchiolar necrosis by naphthalene. Biochem Biophys Res Commun 126:1097-1103.

\*Buckpitt AR, Bahnson LS, Franklin RB. 1986. Comparison of the arachidonic acid and NADPH-dependent microsomal metabolism of naphthalene and 2-methylnaphthalene and the effect of indomethacin on the bronchiolar necrosis. Biochem Pharmacol 35:645-650.

\*Buckpitt A, Boland B, Isbell M, et al. 2002. Naphthalene-induced respiratory tract toxicity: Metabolic mechanisms of toxicity. Drug Metab Rev 34(4):791-820.

\*Buckpitt AR, Buonarati M, Avey LB, et al. 1992. Relationship of cytochrome P450 activity to cell cytotoxicity. II. Comparison of stereo-selectivity of naphthalene epoxidation in lung and nasal mucosa of mouse, hamster, rat and Rhesus monkey. J Pharmacol Exp Ther 261:364-372.

Buckpitt AR, Castagnoli N Jr, Nelson SD, et al. 1987. Stereoselectivity of naphthalene epoxidation by mouse, rat, and hamster pulmonary, hepatic, and renal microsomal enzymes. Drug Metab Dispos 15:491-498.

\*Buckpitt A, Chang A-M, Weir A, et al. 1995. Relationship of cytochrome P450 activity to cell cytotoxicity. IV. Metabolism of naphthalene and naphthalene oxide in microdissected airways from mice, rats, and hamsters. Molecular Pharmacol 47:74-81.

Buonarati M, Jones AD, Buckpitt A. 1990. *In vivo* metabolism of isomeric naphthalene oxide glutathione conjugates. Drug Metab Dispos 18:183-189.

\*Bysshe SE. 1982. Bioconcentration factor in aquatic organisms. In: Lyman WJ, ed. Handbook of chemical property estimation methods. New York, NY: McGraw Hill, 5-1-5-30.

Cadle SH, Mulawa PA, Hunsanger EC, et al. 1999. Composition of light-duty motor vehicle exhaust particulate matter in the Denver, Colorado area. Environ Sci Technol 35:26-32.

\*Calabrese EJ. 1986. Ecogenetics: Historical foundation and current status. J Occup Med 28:1096-1102.

Calabrese EJ, Stanek EJ, James RC, et al. 1997. Soil ingestion: A concern for acute toxicity in children. Environ Health Perspect 105:1354-1358.

Carmo AM, Hundal LS, Thompson ML. 2000. Sorption of hydrophobic organic compounds by soil materials: Applications of unit equivalent Freunclich coefficients. Environ Sci Technol 34:4363-4369.

\*Castranova V, Rabovsky J, Tucker JH, et al. 1988. The alveolar type II epithelial cell: A multifunctional pneumocyte. Toxicol Appl Pharmacol 93:472-483.

Catallo WJ, Schlenker M, Gambrell RP. 1995. Toxic chemicals and trace metals from urban and rural Louisiana Lakes: recent historical profiles and toxicological significances. Environ Sci Technol 29:1436-1445.

CCRIS. 1992. Chemical carcinogenesis research information system. Bethesda, MD: National Library of Medicine, November 2, 1992.

CCTTE. 1988. Computerized listing of chemicals being tested for toxic effects. United Nations Environment Programme, International Programme on Chemical Safety, International Register of Potentially Toxic Chemicals, Geneva, Switzerland.

\*CDC/ATSDR. 1990. Biomarkers of organ damage or dysfunction for the renal, hepatobiliary and immune systems. Atlanta, GA: CDC/ATSDR Subcommittee on Biomarkers of Organ Damage and Dysfunction, Centers for Disease Control, Agency for Toxic Substances and Disease Registry. Summary report, August 27, 1990.

\*CEH. 1993. Chemical Economics Handbook. File 359 on DIALOG. DIALOG Information Services, Inc. Palo Alto, CA. January 1993.

Cerniglia CE, Freeman JP, Althaus JR, et al. 1983. Metabolism and toxicity of 1- and 2-methylnaphthalene and their derivatives in cyanobacteria. Arch Microbiol 136:177-183.

Cerniglia CE, Gibson DT, Van Baalen C. 1979. Algal oxidation of aromatic hydrocarbons: Formation of 1-naphthol from naphthalene by *Agmenellum quadruplicatum*, strain PR-6. Biochem Biophys Res Commun 88:50-58.

Cerniglia CE, Gibson DT, Van Baalen C. 1980. Oxidation of naphthalene by cyanobacteria and microalgae. J Gen Microbiol 116:495-500.

Chaloupka K, Steinber M, Santostefano M, et al. 1995. Induction of *CYP1a-1* and *CYP1a-2* gene expression by a reconstituted mixture of polynuclear aromatic hydrocarbons in B6C3F1 mice. Chem Biol Interact 96:207-221

Chan CH. 1993. St Clair River head and mouth water quality monitoring, 1987-89. Water Pollut Res J Can 28:451-471.

Chapman PM, Downie J, Maynard A, et al. 1996. Coal and deodorizer residues in marine sediments - contaminants or pollutants? Environ Toxicol Chem 15:638-642.

Chapta SC, Boyer JM. 1990. Fate of pollutants. Research Journal, Water Pollution Control Federation 62:569-577.

Chasseaud LF. 1979. The role of glutathione and glutathione S-transferases in the metabolism of chemical carcinogens and other electrophilic agents. Adv Cancer Res 29:175-274.

Chen KC, Dorough HW. 1979. Glutathione and mercapturic acid conjugations in the metabolism of naphthalene and 1-naphthyl N-methylcarbamate (carbaryl). Drug Chem Toxicol 2:331-354.

Chen W, Kan AT, Fu G, et al. 1999. Adsorption-desorption behaviors of hydrophobic organic compounds in sediments of Lake Charles, Louisiana, USA. Environ Toxicol Chem 18:1610-1616.

Chen W, Kan AT, Fu G, et al. 2000. Factors affecting the release of hydrophobic organic contaminants from natural sediments. Environ Toxicol Chem 19:2401-2408.

\*Chichester CH, Buckpitt AR, Chang A, et al. 1994. Metabolism and cytotoxicity of naphthalene and its metabolites in isolated murine cells. Mol Pharmacol 45:664-672.

\*Childers JW, Witherspoon CL, Smith LB, et al. 2000. Real-time and integrated measurement of potential human exposure to particle-bound polycyclic aromatic hydrocarbons (PAHs) from aircraft exhaust. Environ Health Perspect 108:853-862.

Chin YP, Weber WJ. 1989. Estimating the effects of dispersed organic polymers on the sorption of contaminants by natural solids. 1. A predictive thermodynamic humic substance-organic solute interaction model. Environ Sci Technol 23:978-984.

\*Cho M, Chichester C, Morin D, et al. 1994a. Covalent interactions of reactive naphthalene metabolites with proteins. J Pharmacol Exp Ther 269:881-889.

\*Cho M, Chichester C, Plopper C, et al. 1995. Biochemical factors important in cell selective toxicity in the lung. Drug Metab Rev 27(1-2):369-386.

\*Cho M, Jedrychowski R, Hammock B, et al. 1994b. Reactive metabolite binding to hemoglobin and albumin. Fundam Appl Toxicol 22:26-33.

\*Chuang JC, Callahan PJ, Lyu CW, et al. 1999. Polycyclic aromatic hydrocarbon exposures of children in low-income families. J Exp Anal Environ Epidem 9(2):85-98.

\*Chuang JC, Callahan PJ, Menton RG, et al. 1995. Monitoring methods for polycyclic aromatic hydrocarbons and their distribution in house dust and track-in soil. Environ Sci Technol 29:494-500.

\*Chuang JC, Mack GA, Kuhlman MR, et al. 1991. Polycyclic aromatic hydrocarbons and their derivatives in indoor and outdoor air in an eight-home study. Atmos Environ 25B(3):369-380.

Chugh KS, Singhal PC, Sharma BK, et al. 1977. Acute renal failure due to intravascular hemolysis in the North Indian patients. Am J Med Sci 274:139-146.

Chung HY. 1993. Volatile components in fermented soybean (*Glycine max*) curds. J Agric Food Chem 47:2690-2696.

Chung HY. 1999. Volatile compounds in crabmeats of *Charybdis feriatus*. J Agric Food Chem 47:2280-2287.

Chung TY, Eiserich JP, Shibamoto T. 1993. Volatile compounds isolated from edible Korean chamchwi (*Aster scaber* thunb). J Agric Food Chem 41:1693-1697.

\*Chusid E, Fried CT. 1955. Acute hemolytic anemia due to naphthalene ingestion. AMA Am J Dis Child 89:612-614.

Clansky KB, ed. 1986. Chemical guide to the OSHA hazard communication standard. Burlingame, CA: Roytech Publications Inc., 58, 653-657.

CLC. 1988. Coordinated list of chemicals. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development.

\*Clewell HJ III, Andersen ME. 1985. Risk assessment extrapolations and physiological modeling. Toxicol Ind Health 1(4):111-131.

Clonfero E, Nardini B, Marchioro M. 1996. Mutagenicity and contents of polycyclic aromatic hydrocarbons in used and recycled motor oils. Mutat Res 368:283-291.

Coakley JP, Nagy E, Serodes JB. 1993. Spatial and vertical trends in sediment-phase contaminants in the estuary of the St Lawrence River. Estuaries 16:653-669.

Cock TC. 1957. Acute hemolytic anemia in the neonatal period. AMA Am J Dis Child 94:77-79.

\*Colborn T, Clement C. 1992. Chemically induced alterations in sexual and functional development. The wildlife/human connection. In: Advances in modern environmental toxicology. Volume XXI. Princeton, NJ: Princeton Scientific Publishing Co.

\*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.

Collins MJ, Williams PL, MacIntosh DL. 2001. Ambient air quality at the site of a former manufactured gas plant. Environ Monit Assess 68(2):137-152.

\*Connor TH, Thiess JC, Hanna HA, et al. 1985. Genotoxicity of organic chemicals frequently found in the air of mobile homes. Toxicol Lett 25:33-40.

Corchia C, Balata A, Meloni GF, et al. 1995. Favism in a female newborn infant whose mother ingested fava beans before delivery. J Pediatr 127(5):807-808.

\*Corner ED, Young L. 1954. Biochemical studies of toxic agents: 7. The metabolism of naphthalene in animals of different species. Biochem J 58:647-655.

Correa M, Venables BJ. 1985. Bioconcentration of naphthalene in tissues of the white mullet (*Mugil curema*). Environ Toxicol Chem 4:227-231.

\*Cripps GC. 1992. Baseline levels of hydrocarbons in seawater of the southern ocean. Natural variability and regional patterns. Mar Pollut Bull 24:109-114.

Crump DR. 1995. Volatile organic compounds in indoor air. Issues Environ Sci Technol 4:109-124.

Daly JW, Jerina DM, Witkop B. 1972. Arene oxides and the NIH shift: The metabolism, toxicity and carcinogenicity of aromatic compounds. Experientia 28:1129-1149.

\*D'Arcy Doherty DM, Cohen GM, Smith MT. 1984. Mechanisms of toxic injury to isolated hepatocytes by 1-naphthol. Biochem Pharmacol 33:543-549.

Dass C. 1990. Fast atom bombardment combined with mass spectrometry for characterization of polycyclic aromatic hydrocarbons. J Am Soc Mass Spectrom 1:405-412.

\*Dawson JP, Thayer WW, Desforges JF. 1958. Acute hemolytic anemia in the newborn infant due to naphthalene poisoning: Report of two cases, with investigations into the mechanism of the disease. Blood 13(12):1113-1125.

\*Dean BS, Lopez G, Krenzelok EP. 1992. Environmentally-induced methemoglobinemia in an infant. Clin Toxicol 30:127-133.

DeJonge H, Heimovaara TJ, Verstraten JM. 1999. Naphthalene sorption to organic soil materials studied with continuous stirred flow experiments. Soil Sci Soc Am J 63:297-306.

\*Delgado-Rodriques A, Ortiz-Marttelo R, Graf U, et al. 1995. Genotoxic activity of environmentally important polycyclic aromatic hydrocarbons and their nitro derivatives in the wing spot test of *Drosophila melanogaster*. Mutat Res 341:235-247

Demaagd PGJ, Sinnige TL, Schrap SM, et al. 1998. Sorption coefficients of polycyclic aromatic hydrocarbons for two lake sediments: Influence of the bactericide sodium azide. Environ Toxicol Chem 17:1899-1907.

Deshan Y, Berlin JA, Penning TM, et al. 2002. Reactive oxygen species generated by PAH o-quinones cause change-in-function mutations in p53. Chem Res Toxicol 15:832-842.

Desideri PG, Lepri L, Checchini L, et al. 1994. Organic compounds in surface and deep Antarctic snow. Int J Environ Anal Chem 55:33-46.

Di YP, Yoneda K, Harper R, et al. 2003. Cell signaling of environmental exposure on airway mucin gene expression. FASEB J 17(4-5):A829.

Diamond ML, Gingrich SE, Fertuck K. 2000. Evidence for organic film on an impervious urban surface: Characterization and potential teratogenic effects. Environ Sci Technol 34:2900-2908.

\*Dinsdale D, Verschoyle RD. 1987. Pulmonary toxicity of naphthalene derivatives in the rat. Arch Toxicol (Suppl 11): 288-291.

\*Djomo JE, Ferrier V, Gauthier L, et al. 1995. Amphibian micronucleus test *in vivo*: Evaluation of the genotoxicity of some major polycyclic aromatic hydrocarbons found in a crude oil. Mutagenesis 10:223-226.

Doherty MD, Cohen GM. 1984. Metabolic activation of 1-naphthol by rat liver microsomes to 1,4-naphthoquinone and covalent binding species. Biochem Pharmacol 33:3201-3208.

Donohue JM, Moilanen LH. 2003. Regulatory determination for naphthalene in drinking water. Toxicol Sci 72(S-1):29.

Durant ND, Jonkers CA, Wilson LP, et al. 1995. Enhanced biodegradation of naphthalene in MGP aquifer microcosms. In: Hinchee RE, Wilson JT, Downey DC, eds. Bioremediation. Columbus, OH: Battelle Press, 189-196.

\*Durant ND, Wilson LP, Bouwer EJ. 1994. Screening for natural subsurface biotransformation of polycyclic aromatic hydrocarbons at a former manufactured gas plant. In: Hinchee RE, Leeson A, Semprini L, et al., eds. Bioremediation of chlorinated and polycyclic aromatic hydrocarbon compounds. Boca Raton: CRC Press, Inc., 457-461.

\*Eastmond DA, Booth GM, Lee ML. 1984. Toxicity, accumulation, and elimination of polycyclic aromatic sulfur heterocycles in *Daphnia magna*. Arch Environ Contam 13:105-111.

\*Easton MDL, Luszniak D, Von der Geest E. 2002. Preliminary examination of contaminant loadings in farmed salmon, wild salmon and commercial salmon feed. Chemosphere 46(7):1053-1074.

Eckel WP. 1994. Beyond the priority pollutants: Nontarget compounds frequently detected at Superfund sites. Am Chem Soc Abstr Pap 34:67-69.

Efthymiou ML, Gervais P. 1972. [Accidental poisoning in children.] Cah Med 13:831-835. (French)

Eganhouse RP, Cozarelli IM, Scholl MA, et al. 2001. Natural attenuation of volatile organic compounds (VOC's) in the leachate plume of a municipal landfill: Using alkylbenzenes as process probes. Ground Water 39:192-202.

\*Ehrlich GG, Goerlitz DF, Godsy EM, et al. 1982. Degradation of phenolic contaminants in ground water by anaerobic bacteria: St. Louis Park, Minnesota. Ground Water 20(6):703-710.

Eickhoff CV, He S-X, Gobas F, et al. 2003. Determination of polycyclic aromatic hydrocarbons in dungeness crabs (*Cancer magister*) near an aluminum smelter in Kitimat Arm, British Columbia, Canada. Environ Toxicol Chem 22(1):50-58.

\*Eisele GR. 1985. Naphthalene distribution in tissues of laying pullets, swine, and dairy cattle. Bull Environ Contam Toxicol 34:549-556.

Eitzer BD. 1995. Emissions of volatile organic chemicals from municipal solid waste composting facilities. Environ Sci Technol 29:896-902.

Eldrige JE, Shanmugam K, Bobalek EG, et al. 1983. PAH emissions from paving asphalt in laboratory simulation. In: Cooke M, Dennis AJ, eds. Polynuclear aromatic hydrocarbons: Formation, metabolism, and measurement, proceedings of the seventh international symposium. Columbus, OH: Battelle, 471-482

Ellenhorn MJ, Barceloux DG. 1988. Medical toxicology: Diagnosis and treatment of human poisoning. New York, NY: Elsevier, 904.

Elovaara E, Heikkila P, Pyy L, et al. 1995. Significance of dermal and respiratory uptake in creosote workers: exposure to polycyclic aromatic hydrocarbons and urinary excretion of 1-hydroxypyrene. Occup Environ Med 52:196-203.

\*Emi Y, Konishi Y. 1985. Endogenous lipid pneumonia in B6C3F1 mice. In: Jones TC, Mohr U, Hunt RD, eds. Respiratory system: Monographs on pathology of laboratory animals. New York: Springer-Verlag, 166-168.

Enzminger JD, Ahlert RC. 1987. Environmental fate of polynuclear aromatic hydrocarbons in coal tar. Environ Tech Lett 8:269-278.

EPA. 1974. 4-HR DOT corrosive test. Mellon Institute. U.S. Environmental Protection Agency. TSCA Section 8D OTS0206434. EPA878213655.

EPA. 1976. The environmental fate of selected polynuclear aromatic hydrocarbons. Washington, DC: U.S. Environmental Protection Agency, Office of Toxic Substances. EPA560575009. PB250948.

EPA. 1979a. Identification of organic compounds in industrial effluent discharges. Athens, GA: U.S. Environmental Protection Agency, Office of Research and Development. EPA600479016.

EPA. 1979b. Water-related environmental fate of 129 priority pollutants: Volume I: Introduction and technical background, metals and inorganics, pesticide and PCBs. Washington, DC: U.S. Environmental Protection Agency, Office of Water Planning and Standards. EPA440479029a. PB80204373.

\*EPA. 1980a. Ambient water quality for polynuclear aromatic hydrocarbons. Washington, DC: U.S. Environmental Protection Agency, Office of Water Regulations and Standards. EPA440580069.

\*EPA. 1980b. U.S. Environmental Protection Agency. Fed Regist 45:33084-33133.

\*EPA. 1980c. Ambient water quality criteria for: Naphthalene. Washington, DC: U.S. Environmental Protection Agency, Office of Water Regulations and Standards. EPA440580059. PB82117707.

EPA. 1980d. Sources of toxic compounds in household wastewater. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development. EPA600280128. PB81110942.

\*EPA. 1982a. Test method: Polynuclear aromatic hydrocarbons - Method 610. In: Longbottom JE, Lichtenberg JJ, eds. Test methods: Methods for organic chemical analysis of municipal and industrial wastewater. Cincinnati, OH: U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory. EPA600482057.

\*EPA. 1982b. Test method: Base/neutrals and acids - method 625. In: Longbottom JE, Lichtenberg JJ, eds. Test methods: Methods for organic chemical analysis of municipal and industrial wastewater. Cincinnati, OH: U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory. EPA600482057.

EPA. 1982c. Acute toxicity and primary irritancy studies peroral, single dose to rats; percutaneous, single dose to rabbits; inhalation, single dose to rats; primary skin irritation, rabbits; primary eye irritation, rabbits. U.S. Environmental Protection Agency. TSCA Section 8D OTS0206434.

\*EPA. 1982d. An exposure and risk assessment for benzo[a]pyrene and other polycylic aromatic hydrocarbons: Volume II. Naphthalene. Final draft report. Washington, DC: U.S. Environmental Protection Agency, Office of Water Regulations and Standards.

\*EPA. 1982e. Aquatic fate process data for organic priority pollutants. Washington, DC: U.S. Environmental Protection Agency, Office of Water Regulations and Standards. EPA440481014.

EPA. 1983a. Treatability manual: Volume I. Treatability data. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development. EPA600282001a.

EPA. 1983b. Volatile organic chemicals in the atmosphere: An assessment of available data. Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development. EPA600383027A.

EPA. 1984. Health effects assessment for naphthalene. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development. EPA540186014.

EPA. 1985. Notification requirements; Reportable quantity adjustments. U.S. Environmental Protection Agency: Part II. Fed Regist 50(65):13456. 40 CFR Parts 117 and 302.

\*EPA. 1986a. Reference values for risk assessment. Final draft. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Solid Waste. ECAOCIN477.

\*EPA. 1986b. Method 8250: Gas chromatography/mass spectrometry for semivolatile organics: Packed column technique. In: Test methods for evaluating solid waste. SW-846. 3rd ed. Washington, DC: U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

\*EPA. 1986c. Method 8270: Gas chromatography/mass spectrometry for semivolatile organics: Capillary column technique. In: Test methods for evaluating solid waste. SW-846. 3rd ed. Washington, DC: U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

\*EPA. 1986d. Method 8410: Capillary column analysis of semivolatile organic compounds by gas chromatography/Fourier transform infrared (GC/FT-IR) spectrometry. In: Test methods for evaluating solid waste. SW-846. 3rd ed. Washington, DC: U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

\*EPA. 1986e. Guidelines for the health risk assessment of chemical mixtures. U.S. Environmental Protection Agency. Fed Regist 51(185):34014-34025.

EPA. 1986f. Guidelines for mutagenicity risk assessment. U.S. Environmental Protection Agency. Fed Regist 51(185):34006-34012. EPA630R98003.

\*EPA. 1986g. Broad scan analysis of the FY82 national human adipose tissue survey specimens: Volume I - executive summary. Washington, DC: U.S. Environmental Protection Agency, Office of Toxic Substances.

EPA. 1986h. Health and environmental effects profile for naphthalene. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development. EPA600x86241. PB88242383.

\*EPA. 1987a. Summary review of health effects associated with naphthalene: Health issue assessment. Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development. EPA600887055F.

EPA. 1987b. National primary drinking water regulations; synthetic organic chemicals; monitoring for unregulated contaminants. U.S. Environmental Protection Agency: Part II. Fed Regist 52(130):25690-25717. 40 CFR Parts 141 and 142.

EPA. 1987c. List (phase 1) of hazardous constituents for ground-water monitoring. U.S. Environmental Protection Agency: Part II. Fed Regist 52(131):25942-25943. 40 CFR Parts 264 and 270.

EPA. 1987d. Reference dose (RfD): Description and use in health risk assessments. Vol. I, Appendix A: Integrated risk information system supportive documentation. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA600886032a.

EPA. 1987e. Processes, coefficients, and models for simulating toxic organics and heavy metals in surface waters. Athens, GA: U.S. Environmental Protection Agency, Environmental Laboratory. EPA600387015.

\*EPA. 1988a. Health effects assessment for naphthalene. Cincinnati, OH: U.S. Environmental Protection Agency, Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment, Office of Research and Development. EPA600889094.

\*EPA. 1988b. Updated health effects assessment for naphthalene. Cincinnati, OH: U.S. Environmental Protection Agency, Environmental Criteria and Assessment Office. Final Draft ECAOCINH014a.

EPA. 1988c. Land disposal restrictions for first third scheduled wastes; final rule. U.S. Environmental Protection Agency: Part II. Fed Regist 53:31138-31222. 40 CFR Parts 264 etc.

\*EPA. 1988d. U.S. Environmental Protection Agency: Part II. Fed Regist 53:4500-4539.

EPA. 1988e. Health and safety data reporting period terminations; final rule. U.S. Environmental Protection Agency: Part IV. Fed Regist 53:38642-38654. 40 CFR Parts 716.

EPA. 1988f. Assessment of naphthalene as a potentially toxic air pollutant. Fed Regist 53(54):9138-9141.

\*EPA. 1988g. National ambient volatile organic compounds (VOCs) data base update. Research Triangle Park, NC: U.S. Environmental Protection Agency, Atmospheric Sciences Research Laboratory, Office of Research and Development. EPA600388010a. PB88195631.

EPA. 1988h. Recommendations for and documentation of biological values for use in risk assessment. U.S. Environmental Protection Agency. EPA 600687008. PB88179874.

\*EPA. 1989a. Determination of benzo(a)pyrene [B(a)P] and other polynuclear aromatic hydrocarbons (PAHs) in indoor air. Washington, DC: U.S. Environmental Protection Agency.

EPA. 1989b. Interim methods for development of inhalation reference doses. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA600890066A.

\*EPA. 1989c. Interim methods for development of inhalation references doses. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA600888066F.

\*EPA. 1989d. Recognition and management of pesticide poisonings. Washington, DC: U.S. Environmental Protection Agency. EPA540988001. PB91145656.

EPA. 1989e. Land disposal restrictions for second third scheduled wastes; proposed rule. U.S. Environmental Protection Agency: Part II. Fed Regist 54(7):1056-1119. 40 CFR Parts 148, 268, and 271.

EPA. 1989f. Reportable quantity adjustments; delisting of ammonium thiosulfate; final rules. U.S. Environmental Protection Agency: Part V. Fed Regist 54(155):33461. 40 CFR Parts 116, 117, and 302.

\*EPA. 1989g. Characteristics of pilot and full-scale hazardous waste incinerator ash. Cincinnati, OH: U.S. Environmental Protection Agency. EPA600D89232.

\*EPA. 1990a. Compendium of methods for the determination of air pollutants in indoor air. Research Triangle Park, NC: U.S. Environmental Protection Agency, Atmospheric Research and Exposure Assessment Laboratory. EPA600S490010.

\*EPA. 1990b. Interim methods for development of inhalation reference concentrations. Research Triangle Park, NC: U.S. Environmental Protection Agency. Environmental Criteria and Assessment Office, Office of Research and Development. EPA600890066A.

\*EPA. 1990c. Method 1625 (Containing a codification of documents of general applicability and future effect). U.S. Environmental Protection Agency, Code of Federal Regulations 40 CFR 136.

\*EPA. 1990d. Method 550. Determination of polycyclic aromatic hydrocarbons in drinking water by liquid-liquid extraction and HPLC with coupled ultraviolet and fluorescence detection. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Environmental Monitoring Systems Laboratory, 121-142.

\*EPA. 1990e. Method 550.1. Determination of polycyclic aromatic hydrocarbons in drinking water by liquid-solid extraction and HPLC with coupled ultraviolet and fluorescence detection. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Environmental Monitoring Systems Laboratory, 143-167.

EPA. 1990f. U.S. Environmental Protection Agency: Part II. Fed Regist 55:22520-22521, 22583, 22598.

EPA. 1990g. Treatability of RCRA compounds in bod/nitrification wastewater treatment system with dual media filtration. Cincinnati OH: U.S. Environmental Protection Agency.

\*EPA. 1991a. Drinking water criteria document for polycyclic aromatic hydrocarbons (PAHs). Cincinnati, OH: U.S. Environmental Protection Agency, Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment. ECAOCIND010.

EPA. 1991b. Solid waste disposal facility criteria; final rule. U.S. Environmental Protection Agency: Part II. Fed Regist 56(196):50978, 51033, 51037. 40 CFR Parts 257 and 258.

EPA. 1991c. U.S. Environmental Protection Agency: Part III. Fed Regist 56:7134-7135.

EPA. 1991d. Guidelines for developmental toxicity risk assessment. U.S. Environmental Protection Agency. Fed Regist 56(234):63798-63826.

\*EPA. 1991e. Indoor air-assessment; indoor air concentrations of environmental carcinogens. Research Triangle Park, NC: U.S. Environmental Protection Agency. Environmental Criteria and Assessment Office, Office of Research and Development. EPA600890042.

\*EPA. 1991f. Project summary: method for the supercritical fluid extraction of soils/sediments. Washington DC: U.S. Environmental Protection Agency, Environmental Monitoring Systems Laboratory. EPA600S490026.

EPA. 1993a. Reference guide to odor thresholds for hazardous air pollutants listed in the clean air act amendments of 1990. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA600R92047. PB92239516.

EPA. 1993b. Statistical summary: Emap-estuaries Louisiana province- 1991. Washington, DC: U.S. Environmental Protection Agency. EPA620R93007.

EPA. 1993c. Ambient concentration summaries for Clean Air Act Title III Hazardous air pollutants. Research Triangle Park, NC: U.S. Environmental Protection Agency. EPA600R94090.

EPA. 1994a. Interim policy for particle size and limit concentration issues in inhalation toxicity: Notice of availability. U.S. Environmental Protection Agency. Fed Regist 59(206):53799.

\*EPA. 1994b. Methods for derivation of inhalation reference concentrations and application of inhalation dosimetry. U.S. Environmental Protection Agency. EPA600890066F.

EPA. 1994c. Peer review and peer involvement at the U.S. Environmental Protection Agency. Signed by the U.S. EPA Administrator Carol M. Browner, dated June 7, 1994.

EPA. 1994d. Drinking water regulations and health advisories. U.S. Environmental Protection Agency. Office of Water. EPA822R94001.

EPA. 1995. Use of the benchmark dose approach in health risk assessment. U.S. Environmental Protection Agency. EPA630R94007.

\*EPA. 1996a. Proposed guidelines for carcinogen risk assessment. U.S. Environmental Protection Agency. Fed Regist 61(79):17960-18011. EPA630R96003.

EPA. 1996b. Guidelines for reproductive toxicity risk assessment. U.S. Environmental Protection Agency. Fed Regist 61(212):56274-56322. EPA630R96009.

\*EPA 1996c. Exposure factors handbook. U.S. Environmental Protection Agency, Office of Research and Development, Washington D.C. EPA600889043. June 6, 2003.

EPA. 1997. Special report on environmental endocrine disruption: An effects assessment and analysis. Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. EPA630R96012.

EPA. 1998a. Guidelines for neurotoxicity risk assessment. Fed Regist 63(93):26926-26954.

EPA. 1998b. Science policy council handbook: Peer review. Washington, DC: Office of Research and Development, U.S. Environmental Protection Agency. EPA100B98001.

\*EPA. 1998c. Toxicological review of naphthalene (CAS No. 91-20-3). In support of Summary Information on the Integrated Risk Information System (IRIS).

EPA. 1999. Guidelines for carcinogen risk assessment. Washington, DC. U.S. Environmental Protection Agency, Risk Assessment Forum. NCEAF0644.

EPA. 2000a. Science policy council handbook: peer review. Second edition. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development. EPA100B00001.

\*EPA. 2000b. Science policy council handbook: risk characterization. Washington, DC: U.S. Environmental Protection Agency, Office of Science Policy, Office of Research and Development. EPA100B00002.

EPA. 2000c. Supplemental guidance for conducting for health risk assessment of chemical mixtures. Washington, DC: U.S. Environmental Protection Agency. EPA630R00002. http://www.epa.gov/cgibin/claritw?op-Display&document=clserv:ORD:2103. June 6, 2003.

EPA. 2000d. Benchmark dose technical guidance document. External review draft. U.S. Environmental Protection Agency. EPA630R00001.

\*EPA. 2002a. 2002 Edition of the drinking water standards and health advisories. Washington, DC: U.S. Environmental Protection Agency. EPA822R02038. http://www.epa.gov/waterscience. June 6, 2003

\*EPA. 2002b. Health effects support document for naphthalene: External review draft. Alexandria, VA: U.S. Environmental Protection Agency Office of Water. EPA822R02031.

\*EPA. 2003a. Criteria for municipal solid waste landfills. List of hazardous inorganic and organic constituents. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 258, Appendix II. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.

\*EPA. 2003b. Designation, reportable quantities, and notification. Designation of hazardous substance. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 302.4. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.

\*EPA. 2003c. Effluent guidelines and standards. General provisions. Toxic pollutants. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 401.15. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.

- \*EPA. 2003d. Identification and listing of hazardous waste. Hazardous constituents. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 261, Appendix VIII. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003e. Land disposal restrictions. Universal treatment standards. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 268.48. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003f. Landfills point source category. Effluent limitations attainable by the application of the best practicable control technology currently available (BPT). Washington, DC: U.S. Environmental Protection Agency. 40 CFR 445.11. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003g. National emission standards for hazardous air pollutants for source categories. Hazardous air pollutants. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 63, Table 1. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003h. National emission standards for hazardous air pollutants. Standard: naphthalene processing, final coolers, and final-cooler cooling towers. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 61.134. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- EPA. 2003i. Regulation of fuels and fuel additives. Measurement of reformulated gasoline fuel parameters. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 80.46. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003j. Reportable quantities of hazardous substances designated pursuant to Section 311 of the Clean Water Act. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 117.3. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003k. Standards for owners and operators of hazardous waste treatment, storage, and disposal facilities. Ground-water monitoring list. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 264, Appendix IX. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003l. Standards for the management of specific hazardous wastes and specific types of hazardous waste management facilities. Health-based limits for exclusion of waste-derived residues. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 266, Appendix VII. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003m. Toxic chemical release reporting: Community right-to-know. Chemicals and chemical categories to which this part applies. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 372.65. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003n. Toxic substances control act. Chemical information rules. Chemical lists and reporting periods. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 712.30. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.
- \*EPA. 2003o. Toxic substances control act. Health and safety data reporting. Substances and listed mixtures to which this subpart applies. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 716.120. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.

\*EPA. 2003p. Water programs. Designation of hazardous substances. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 116.4. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.

\*EPA. 2003q. Water quality guidance for the Great Lakes system. Pollutants of initial focus in the Great Lakes water quality initiative. Washington, DC: U.S. Environmental Protection Agency. 40 CFR 132, Table 6. http://www.epa.gov/epahome/cfr40.htm. June 6, 2003.

\*EPA. 2003r. Toxicological review of 2-methylnaphthalene (CAS No. 91-57-6). EPA635R03010. http://www.epa.gov/iris. January 2, 2005.

Epsey, Huston and Associates. 1985. Bioassay testing of sample 5601-56-1 in fresh water with the *Lepomis macrochirus* and *Daphnia magna*: Naphthalene. Report to Texaco, Inc., Glenham, NY by Epsey, Huston and Associates, Inc., Austin, TX. EH&A Job No. 5863.

Erickson DC, Loehr RC, Neuhauser EF. 1993. PAH loss during bioremediation of manufactured gas plant site soils. Water Res 27(5):911-919.

Eriksson M, Dalhammar G, Borg-Karlson AK. 2000. Biological degradation of selected hydrocarbons in an old PAH/creosote contaminated soil from a gas work site. Appl Microbiol Biotechnol 53:619-626.

Eskinja I, Soljic Z, Svel-Cerovecki S, et al. 1996. Sources and fate of polycyclic aromatic hydrocarbons in ambient air of urban and rural Croatian sites. Int J Environ Anal Chem 63:251-268.

European Union. 2001. European Union risk assessment report: Naphthalene. United Kingdom. EINECS 202-049-5.

\*European Union. 2002. European Union risk assessment report: Naphthalene. United Kingdom. EINIECS 202-049-5. http://ecb.jrc.it/DOCUMENTS/Existing-Chemicals/RISK\_ASSESSMENT/REPORT/naphthalenereport020.pdf. January 12, 2005.

Evanson M, Van Der Kraak G. 2001. Stimulatory effects of selected PAHs on testosterone production in goldfish and rainbow trout and possible mechanisms of action. Comp Biochem Physiol C 130:249-258.

\*Fabacher DL, Hodgson E. 1977. Hepatic mixed-function oxidase activity in mice treated with methylated benzenes and methylated naphthalenes. J Toxicol Environ Health 2:1143-1146.

\*Fait DW, Nachreiner RW. 1985. Naphthalene acute inhalation toxicity study. Report to Texaco, Inc., Beacon, NY, by Bushy Run Research Center, Union Carbide, Export, PA. Project No. 48-511.

\*Familusi JB, Dawodu AH. 1985. A survey of neonatal jaundice in association with household drugs and chemicals in Nigeria. Ann Trop Paediatr 5:219-222.

\*Fanucchi MV, Buckpitt AR, Murphy ME, et al. 1997. Naphthalene cytotoxicity of differentiating cells in neonatal mice. Toxicol Appl Pharmacol 144:96-104.

Farant J-P, Gariepy M. 1998. Relationship between benzo(A)pyrene and individual polycyclic aromatic hydrocarbons in a Soderberg primary aluminum smelter. Am Ind Hyg Assoc J 59:758-765.

Farkas N, Lorinczy D, Dergez T, et al. 2004. Effect of polycyclic aromatic hydrocarbons on erythrocyte membranes by DSC and EPR. Environ Toxicol Pharmacol 16(3):163-168.

\*FEDRIP. 2004. Palo Alto, CA: Federal Research in Progress. Dialog Information Services, Inc.

Fellin P, Otson R. 1994. Assessment of the influence of climatic factors on concentration levels of volatile organic compounds (VOC's) in Canadian homes. Atmos Environ 28:3581-3586.

Feunekes FD Jr, Jongeneelen FJ, Vanderlaan H, et al. 1997. Uptake of polycyclic aromatic hydrocarbons among trainers in a fire-fighting training facility. Am Ind Hyg Assoc J 58:23-48.

Fitzhugh OG, Buschke WH. 1949. Production of cataract in rats by beta-tetralol and other derivatives of naphthalene. Arch Ophthalmol 41:572-582.

\*Florin I, Rutberg L, Curvall M, et al. 1980. Screening of tobacco smoke constituents for mutagenicity using the Ames test. Toxicology 18:219-232.

\*Flowers L, Ohnishi T, Penning TM, et al. 1997. DNA strand scission by polycyclic aromatic hydrocarbon o-quinones: role of reactive oxygen species, Cu(II)/Cu(I) redox cycling and o-semiquinone anion radicals. Biochemistry 36:8640-8648.

\*Flowers-Geary L, Bleczinski W, Harvey RG, et al. 1994. Cytotoxicity and mutagenicity of polycyclic aromatic hydrocarbon (PAH) o-quinones produced by dihydrodiol dehydrogenase (DD). Proc Am Assoc Cancer Res 35:161

\*Flowers-Geary L, Bleczinski W, Harvey RG, et al. 1996. Cytotoxicity and mutagenicity of polycyclic aromatic hydrocarbon *o*-quinones produced by dihydrodiol dehydrogenase. Chem Bio Int 99:55-72.

Flucas BJ, Minor LKM, Harris BW. 1995. Polycyclic aromatic hydrocarbons at selected burning grounds at Los Alamos. Prepr Pap Natl Meet Am Chem Soc Div Environ Chem 35:7-10.

\*Fomon SJ. 1966. Body composition of the infant: Part I: The male "reference infant." In: Falkner F, ed. Human development. Philadelphia, PA:WB Saunders, 239-246.

\*Fomon SJ, Haschke F, Ziegler EE, et al. 1982. Body composition of reference children from birth to age 10 years. Am J Clin Nutr 35:1169-1175.

\*Foster GD, Roberts EC Jr, Gruessner B, et al. 2000. Hydrogeochemistry and transport of organic contaminants in an urban watershed of Chesapeake Bay (USA). Appl Geochem 15:901-915.

Fowler MG, Brooks PW, Northcott M, et al. 1994. Preliminary results from a field experiment investigating the fate of some croosote components in a natural aquifer. Org Geochem 22:641-649.

Franklin RB. 1987. Naphthalene. In: Synder R, ed. Ethel Browning's toxicity and metabolism of industrial solvents. 2nd ed. Volume I: Hydrocarbons. New York, NY: Elsevier Science Publications, 153-175.

\*Frantz SW, VanMiller JP, Hengler WC. 1986. Ninety-day (sub-chronic) dermal toxicity study with naphthalene in albino rats. Report to Texaco, Inc., Beacon, NY, by Bushy Run Research Center Union Carbide, Export, PA. Project No. 49-539 revised. Submitted to USEPA under section 8D of TSCA. OTS0513643.

\*Fraser MP, Cass GR, Simoneit BRT. 1998a. Gas-phase and particle-phase organic compounds emitted from motor vehicle traffic in a Los Angeles roadway tunnel. Environ Sci Technol 32:2051-2060.

Fraser MP, Cass GR, Simoneit BRT, et al. 1998b. Air quality model evaluation data for organics C6-C22 nonpolar and semipolar aromatic compounds. Environ Sci Technol 32:1760-1770.

Fraser MP, Kleeman MJ, Schauer JJ, et al. 2000. Modeling the atmospheric concentrations of individual gas-phase and particle-phase organic compounds. Environ Sci Technol 34:302-312.

\*Frederick CB, Robian Gentry P, Bush ML, et al. 2001. A hybrid computational fluid dynamics and physiologically based pharmacokinetic model for comparison of predicted tissue concentrations of acrylic acid and other vapors in the rat and human nasal cavities following inhalation exposure. Inhalation Toxicology 13:359-376.

\*Freeman AE, Weisburger EK, Weisburger JH, et al. 1973. Transformation of cell cultures as an indication of the carcinogenic potential of chemicals. J Natl Cancer Inst 51:799-808.

Freitag D, Ballhorn L, Geyer H, et al. 1985. Environmental hazard profile of chemicals: An experimental method for the assessment of the behaviour of organic chemicals in the ecosphere by means of simple laboratory tests with <sup>14</sup>C labelled chemicals. Chemosphere 14:1589-1616.

Fries GF. 1996. Ingestion of sludge applied organic chemicals by animals. Sci Total Environ 185:93-108.

\*FSTRAC. 1990. Summary of state and federal drinking water standards and guidelines. Washington, DC: Federal-State Toxicology and Regulatory Alliance Committee, Chemical Communication Subcommittee.

Furton KG, Rein J. 1991. Effect of microextractor cell geometry on supercritical fluid extraction recoveries and correlations with supercritical fluid chromatographic data. Anal Chim Acta 248:263-270.

Gadsden RH, Mellette RR, Miller WC Jr. 1958. Scrap-iron intoxication. J Am Med Assoc 168:1220-1224.

Gagne F, Blaise C. 1995. Evaluation of the genotoxicity of environmental contaminants in sediments to rainbow trout hepatocytes. Environ Toxicol Water Qual 10:217-229.

Gagne F, Pardos M, Blaise C, et al. 1999. Toxicity evaluation of organic sediment extracts resolved by size exclusion chromatography using rainbow trout hepatocytes. Chemosphere 39:1545-1570.

\*Gaines TB. 1969. Acute toxicity of pesticides. Toxicol Appl Pharmacol 14:515-534.

\*Gandy J, Millner GC, Bates HK, et al. 1990. Effects of selected chemicals on the glutathione status in the male reproductive system of rats. J Toxicol Environ Health 29:45-57.

\*Gatehouse D. 1980. Mutagenicity of 1,2 ring-fused acenaphthenes against *S. typhimurium* TA1537 and TA1538: structure-activity relationships. Mutat Res 78:121-135.

\*GDCH. 1992. Gesellschaft Deutscher Chemiker. Methylnaphthalenes. In: GDCH-Advisory Committee on existing chemicals of environmental relevance (BUA). BUA Report 47.

Gerarde HW. 1962. The aromatic hydrocarbons. In: Patty FA, ed. Industrial hygiene and toxicology. 2nd ed. Vol. II. Toxicology. New York, NY: John Wiley and Sons, 1237-1239.

\*Germansky M, Jamall IS. 1988. Organ-specific effects of naphthalene on tissue peroxidation, glutathione peroxidases and superoxide dismutase in the rat. Arch Toxicol 61:480-483.

\*Geyer H, Sheehan P, Kotzias D, et al. 1982. Prediction of ecotoxicological behaviour of chemicals: Relationship between physico-chemical properties and bioaccumulation of organic chemicals in the mussel *Mytilus edulis*. Chemosphere 11:1121-1134.

\*Ghanem A, Shuler ML. 2000. Combining cell culture analogue reactor designs and PBPK models to probe mechanisms of naphthalene toxicity. Biotechnol Prog 16:334-345.

Ghess MJ, Wilbourn J, Tossavainen A, et al. 1986. Information bulletin on the survey of chemicals being tested for carcinogenicity. Lyon, France: International Agency for Research on Cancer, 250.

\*Ghetti G, Mariani L. 1956. [Eye changes due to naphthalene]. Med Lav 47(10):533-538. (Italian)

\*Ghoshal S, Luthy RG. 1996. Bioavailability of hydrophobic organic compounds from nonaqueous-phase liquids: The biodegradation of naphthalene from coal tar. Environ Toxicol Chem 15(11):1894-1900.

Giangreco A, Reynolds SD, Stripp BR, et al. 2002. Terminal bronchioles harbor a unique airway stem cell production that localizes to the bronchoalveolar duct junction. Am J Pathol 161(1):173-182.

\*Gidron E, Leurer J. 1956. Naphthalene poisoning. Lancet (February 4):228-230.

Gillan JT, Foster GD, Lippa KA. 1998. Ecotoxicological studies in amphibian populations of southern Ontario. J Great Lakes Res 24:45-54.

\*Giwercman A, Carlsen E, Keiding N, et al. 1993. Evidence for increasing incidence of abnormalities of the human testis: A review. Environ Health Perspect Suppl 101(2):65-71.

\*Godek EG, Naismith RW, Matthews RJ. 1985. Ames Salmonella/microsome plate test (EPA/OECD) (unpublished material). Pharmakon Research International Inc., Waverly, PA. Submitted to Texaco, Inc., Beacon, NY. Submitted to U.S. EPA by Texaco, Inc. Office of Toxic Substances Microfiche No. OTS0513637.

Godfrey JT, Foster GD, Lippa KA. 1995. Estimated annual loads of selected organic contaminants to Chesapeake Bay via a major tributary. Environ Sci Technol 29:2059-2064.

Goldfrank LR, Flomenbaum NE, Lewin NA, et al. 1990. Goldfrank's toxicologic emergencies. Fourth edition. Norwalk, CT: Appleton & Lange, 763-767.

Goldstein LS, Kavuru MS, Curtis-McCarthy P, et al. 1998. Pulmonary alveolar proteinosis. Clinical features and outcomes. Chest 114:1357-1362.

Gollahon LS. 1991. Chromosomal damage to preimplantation mouse embryos *in vitro* by naphthalene and aflatoxin B<sub>1</sub>. Dissert Abs Int 52:694-B.

\*Gollahon LS, Iyer P, Martin JE, et al. 1990. Chromosomal damage to preimplantation embryos *in vitro* by naphthalene. Vet Anatomy Dept and TEES Engineering Toxicology Division, Texas A&M Univ 274:1094.

\*Gomez E, Ledbetter CA, Hartsell PL. 1993. Volatile compounds in apricot, plum, and their interspecific hybrids. J Agric Food Chem 41:1669-1676.

\*Gosselin RE, Smith RP, Hodge HC, et al. 1984. Clinical toxicology of commercial products. 5th ed. Baltimore, MD: Williams and Wilkins, II-153, III-307-III-311.

Grant WM. 1974. Toxicology of the eye. 2nd ed. Springfield, IL: Charles C Thomas Publisher, 733-739.

\*Grant WM. 1986. Toxicology of the eye. Springfield, IL: Charles C Thomas Publisher, 650-655.

Green DR, Le Pape D. 1987. Stability of hydrocarbon sample, on solid-phase extraction columns. Anal Chem 49:699-703.

\*Greene JF, Zheng J, Grant DF, et al. 2000. Cytotoxicity of 1,2-epoxynaphthalene is correlated with protein binding and *in situ* glutathione depletion in cytochrome P4501A1 expressing Sf-21 cells. Toxicol Sci 53:352-360.

Griffin KA, Franklin RB. 1980. Uptake of naphthalene and 2-methylnaphthalene in rodent lung slices [abstract]. Pharmacologist 22:471.

Griffin KA, Franklin RB. 1982. The effects of three pulmonary toxic agents, naphthalene, 2-methylnaphthalene and 4-ipomeanol on the *in vivo* irreversible binding of [<sup>3</sup>H]-benzo[a]pyrene. IRCS J Med Sci 10:373-374.

\*Griffin KA, Johnson CB, Breger RK, et al. 1981. Pulmonary toxicity, hepatic, and extrahepatic metabolism of 2-methylnaphthalene in mice. Toxicol Appl Pharmacol 61:185-196.

\*Griffin KA, Johnson CB, Breger RK, et al. 1982. Effects of inducers and inhibitors of cytochrome P-450-linked monooxygenases on the toxicity, *in vitro* metabolism and *in vivo* irreversible binding of 2-methylnaphthalene in mice. J Pharmacol Exp Ther 221:517-524.

\*Griffin KA, Johnson CB, Breger RK, et al. 1983. Pulmonary toxicity of 2-methylnaphthalene: Lack of a relationship between toxicity, dihydrodiol formation and irreversible binding to cellular macromolecules in DBA/2J mice. Toxicology 26:213-230.

Grigor WG, Robin H, Harley JD. 1966. An Australian variation of full-moon disease. Med J Aust 2:1229-1230.

\*Grimes AJ, Young L. 1956. The metabolism of 2-methylnaphthalene. Biochem J 62:11.

Guillen MD, Sopelana P, Partearroyo MA. 2000. Polycyclic aromatic hydrocarbons in liquid smoke flavorings obtained from different types of wood. Effect of storage in polyethylene flasks on their concentrations. J Agric Food Chem 48:5083-5087.

\*Gupta R, Singhal PC, Muthusethupathy MA, et al. 1979. Cerebral oedema and renal failure following naphthalene poisoning. J Assoc Physicians India 27:347-348.

Gustafson KE, Dickhut RM. 1997. Distribution of polycyclic aromatic hydrocarbons in Southern Chesapeake Bay surface water: Evaluation of three methods for determining freely dissolved water concentrations. Environ Toxicol Chem 16:452-461.

\*Guzelian PS, Henry CJ, Olin SS, eds. 1992. Similarities and differences between children and adults: Implications for risk assessment. Washington, DC: International Life Sciences Institute Press.

Haddad RI. 1996. Effects of in-reservoir weathering on PAH source characterization parameters. Prepr Pap Natl Meet Am Chem Soc Div Environ Chem 36(2):207-208.

\*Haggerty RJ. 1956. Toxic hazards: Naphthalene poisoning. N Engl J Med 255(19):919-920.

Haitzer M, Hoss S, Traunspurger W, et al. 1998. Effects of dissolved organic matter (DOM) on the bioconcentration of organic chemicals in aquatic organisms - A review. Chemosphere 37:1335-1362.

Hall LW, Alden RW. 1997. A review of concurrent ambient water column and sediment toxicity testing in the Chesapeake Bay watershed: 1990-1994. Environ Toxicol Chem 16:1606-1617.

\*Hansen AM, Olsen IL, Holst E, et al. 1991. Validation of a high-performance liquid chromatography/fluorescence detection method for the simultaneous quantification of fifteen polycyclic aromatic hydrocarbons. Ann Occup Hyg 35:603-611.

Hanssler H. 1964. [Life-threatening naphthalene intoxication of an infant through vapor in fumes.] Dtsch Med Wochenschr 89:1794-1797. (German)

\*Harden RA, Baetjer AM. 1978. Aplastic anemia following exposure to paradichlorobenzene and naphthalene. J Occup Med 20:820-822.

\*Hardin BD, Bond GP, Sikov MR, et al. 1981. Testing of selected workplace chemicals for teratogenic potential. Scand J Work Environ Health 7(Suppl 4):66-75.

Hardin BD, Schuler RL, Burg JR, et al. 1987. Evaluation of 60 chemicals in a preliminary developmental toxicity test. Teratog Carcinog Mutagen 7:29-48.

Harkema JR, Morgan KT. 1996. Proliferative and metaplastic lesions in nonolfactory nasal epithelia induced by inhaled chemicals. In: Jones TC, ed. Respiratory system. Washington, DC: Springer-Verlag, 18-28.

\*Harkov R. 1986. Semivolatile organic compounds in the atmosphere: A review. J Environ Sci Health A21:409-433.

Harmon HJ. 1988. Effect of naphthalene on cytochrome oxidase activity. Bull Environ Contam Toxicol 40:105-109.

Harmon HJ, Sanborn MR. 1982. Effect of naphthalene on respiration in heart mitochondria and intact cultured cells. Environ Res 29:160-173.

\*Harper BL, Ramanujam VMS, Gad-El-Karim MM, et al. 1984. The influence of simple aromatics on benzene clastogenicity. Mutat Res 128:105-114.

Harper N, Steinberg M, Safe S. 1996. Immunotoxicity of a reconstituted polynuclear aromatic hydrocarbon mixture in B6C3F1 mice. Toxicology 109:31-38.

Harris RP, Berdugo V, O'Hara SC, et al. 1977. Accumulation of <sup>14</sup>C-1-naphthalene by an oceanic and an estuarine copepod during long-term exposure to low-level concentrations. Marine Biology 42:187-195.

Harvey RG, Halonen M. 1968. Interaction between carcinogenic hydrocarbons and nucleosides. Cancer Res 28:2183-2186.

Harvey RG, Pataki J, Wilke RN, et al. 1976. Polycyclic aryloxiranes: A new class of carcinogens. Cancer Lett 1:339-343.

Hauser TR, Bromberg SM. 1982. EPA's monitoring program at Love Canal 1980. Environ Monit Assess 2:249-271.

\*Hawthorne SB. 1988. 1988 workshop on supercritical fluid chromatography. Am Lab (August 1988):6-8.

Hawthorne SB, Grabanski CB. 2000. Correlating selective supercritical fluid extraction with bioremediation behavior of PAHS in a field treatment plot. Environ Sci Technol 34:4103-4110.

Hawthorne SB, Miller DJ. 2003. Evidence for very tight sequestration of BTEX compounds in manufactured gas plant soils based on selective supercritical fluid extraction and soil/water partitioning. Environ Sci Technol 37(16):3587-3594.

Hawthorne SB, Poppendieck DG, Grabanski CB, et al. 2001. PAH release during water desorption, supercritical carbon dioxide extraction, and field bioremediation. Environ Sci Technol 35(22):4577-4583.

Hawthorne SB, Poppendieck DG, Grabanski CB, et al. 2002. Comparing PAH availability from manufactured gas plant soils and sediments with chemical and biological tests. 1. PAH release during water desorption and supercritical carbon dioxide extraction. Environ Sci Technol 36(22):4795-4803.

\*HazDat. 2005. Naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene. HazDat Database: ATSDR's Hazardous Substance Release and Health Effects Database. Atlanta, GA: Agency for Toxic Substances and Disease Registry. www.atsdr.cdc.gov/hazdat.html. March 9, 2005.

\*HEAST. 1992. Health effects assessment summary tables, FY 1991. Washington, DC: U.S. Environmental Protection Agency.

Heikkila P, Luotamo M, Pyy L, et al. 1995. Urinary 1-naphthol and 1-pyrenol as indicators of exposure to coal tar products. Int Arch Occup Environ Health 67:211-217.

Heikkila PR, Luotamo M, Riihimaki V. 1997. Urinary 1-naphthanol excretion in the assessment of exposure to creosote in a impregnation facility. Scand J Work Environ Health 23:199-205.

\*Heitzer A, Malachowsky K, Thonnard JE, et al. 1994. Optical biosensor for environmental on-line monitoring of naphthalene and salicylate bioavailability with an immobilized bioluminescent catabolic reporter bacterium. Appl Environ Microbiol 60(5):1487-1494.

\*Heitzer A, Webb OF, Thonnard JE, et al. 1992. Specific and quantitative assessment of naphthalene and salicylate bioavailability by using a bioluminescent catabolic reporter bacterium. Appl Environ Microbiol 58:1839-1846.

Hellou J, Warren WG. 1994. Polycyclic aromatic compounds in Northwest Atlantic Cod (Gadus morhus) Environ Pollut 84:197-202.

\*Hellou J, Warren WG. 1996. Polycyclic aromatic compounds and saturated hydrocarbons in tissues of flatfish: Insight on environmental exposure. Mar Environ Res 43:11-25.

Hellou J, Payne JF, Upshall C, et al. 1994. Bioaccumulation of aromatic hydrocarbons from sediments: a dose-response study with flounder (Pseudopleuronectes americanus). Arch Environ Contam Toxicol 27:477-485.

Hellou J, Upshall C, Payne JF, et al. 1993. Total unsaturated compounds and polycyclic aromatic hydrocarbons in mollusks collected from waters around Newfoundland. Arch Environ Contam Toxicol 24:249-257.

\*Herbes SE. 1981. Rates of microbial transformation of polycylic aromatic hydrocarbons in water and sediments in the vicinity of a coal-coking wastewater discharge. Appl Environ Microbiol 41:20-28.

\*Herbes SE, Schwall LR. 1978. Microbial transformation of polycyclic aromatic hydrocarbons in pristine and petroleum contaminated sediments. Appl Environ Microbiol 35:306-316.

\*Herbes SE, Southworth GR, Shaeffer DL, et al. 1980. Critical pathways of polycyclic aromatic hydrocarbons in aquatic environments. In: Witschi H, ed. The scientific basis of toxicity assessment. Amsterdam: Elsevier/North Holland Biomedical Press, 113-128.

Herman M. 1981. Synergistic effects of individual polycyclic aromatic hydrocarbons on the mutagenicity of their mixtures. Mutat Res 90:399-409.

Hesse S, Mezger M. 1979. Involvement of phenolic metabolites of [<sup>14</sup>C]-naphthalene and [<sup>14</sup>C]-naphthol formed by rat liver microsomes. Mol Pharmacol 16:667-675.

Hesse S, Mezger M, Schwarz LR. 1981. Formation of reactive metabolites of <sup>14</sup>C-naphthalene in isolated rat hepatocytes and the effect of decreased glucuronidation and sulfation. Adv Exp Med Biol 136 (Pt A):739-744.

Hiatt MH. 1999. Leaves as an indicator of exposure to airborne volatile organic compounds. Environ Sci Technol 33:4126-4133.

Hites RA, Biemann K. 1972. Water pollution: Organic compounds in the Charles River, Boston. Science 178:158-160.

\*Ho JS. 1989. A sequential analysis for volatile organics in water by purge-and-trap capillary column gas chromatography with photoionization and electrolytic conductivity detectors in series. J Chromatogr Sci 27:91-98.

Hockwin O, Laser H, Wegener A. 1986. Investigations on rat eyes with diabetic cataract and naphthalene cataract by Zeiss-Scheimpflug measuring system SLC. Graefes Arch Clin Exp Ophthalmol 224:502-506.

Hoeke H, Zellerhoff R. 1998. Metabolism and toxicity of diisopropylnaphthalene as compared to naphthalene and monoalkyl naphthalenes: A minireview. Toxicology 126(1):1-7.

\*Hoel DG, Davis DL, Miller AB, et al. 1992. Trends in cancer mortality in 15 industrialized countries, 1969-1986. J Natl Cancer Inst 84(5):313-320.

\*Hoffmann K, Krause C, Seifert B, et al. 2000. The German Environmental Survey 1990/92 (GERES II) Sources of personal exposure to volatile organic compounds. J Expo Anal Environ Epidemiol 10:115-125.

Hofmann VP. 1958. Uber den reinnaphthalingehalt des gases. Gas und Wasserfach 91:301-304. (German)

Höke H, Zellerhoff R. 1998. Metabolism and toxicity of disopropylnaphthalene as compared to naphthalene and monoalkyl naphthalenes: A minireview. Toxicology 126:1-7.

Holmen JB, Ekesten B, Lundgren B. 1999. Naphthalene-induced cataract model in rats: A comparative study between slit and retroillumination images, biochemical changes and naphthalene dose and duration. Curr Eye Res 19:418-425.

\*Honda T, Kiyozumi M, Kojima S. 1990. Alkylnaphthalene. XI. Pulmonary toxicity of naphthalene, 2-methylnaphthalene, and isopropylnaphthalenes in mice. Chem Pharm Bull 38:3130-3135.

Hong KU, Reynolds SD, Giangreco A, et al. 2001. Cells secretory protein-expressing cells of the airway neuroepithelial body microenvironment include a label-retaining subset and are critical for epithelial renewal after progenitor cell depletion. Am J Respir Cell Mol Biol 24(6):671-681.

Horning MG, Kary CD, Gregory PA, et al. 1976. Recycling of naphthalene and naphthalene metabolites through monooxygenase systems. Toxicol Appl Pharmacol 37:118.

\*Horning MG, Stillwell WG, Griffin GW, et al. 1980. Epoxide intermediates in the metabolism of naphthalene by the rat. Drug Metab Dispos 8:404-414.

Horton AW, Denman DT, Trosset RP. 1957. Carcinogenesis of the skin. II. The accelerating properties of aliphatic and related hydrocarbons. Cancer Res 17:758-766.

\*Howard PH. 1989. Handbook of environmental fate and exposure data for organic chemicals. Vol. 1. Lewis Publishers, 408-421.

Howsam M, Jones KC, Ineson P. 2000. PAHs in the soils of a mature, mixed-deciduous (Quercus-fraxinus) woodland and the surrounding pasture. Water Air Soil Pollut 121:379-398.

\*HSDB. 2004. Naphthalene. Environmental standards and regulations. Bethesda, MD: Hazardous Substances Data Bank. http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB.htm. December 31, 2004.

\*Hughes CS, Bakker J, Kamatari O. 1985. CEH product review: Naphthalene. In: Chemical economics handbook. Menlo Park, CA: SRI International, 300.7600 C-Z.

\*Hung IF, Fang HF, Lee TS. 1992. Aliphatic and aromatic hydrocarbons in indoor air. Bull Environ Contam Toxicol 48:579-584.

Hunkeler D, Jorger D, Harberli K, et al. 1998. Petroleum hydrocarbon mineralization in anaerobic laboratory aquifer columns. J Contam Hydrol 32:41-61.

Hunt GT, Maisel BE. 1995. Atmospheric concentrations of PCDDs/PCDFs, PAHs and NO2-PAHs in Fresno, California during winter months. Organohalogen Compounds 24:55-61.

Huntley S, Bonnevie NL, Wenning RJ, et al. 1993. Distribution of polycyclic aromatic hydrocarbons (PAHS) in three Northern New Jersey waterways. Bull Environ Contam Toxicol 51

Huntley SL, Bonnevie NL, Wenning RJ. 1995. Polycyclic aromatic hydrocarbon and petroleum hydrocarbon contamination in sediment from the Newark Bay estuary, New Jersey. Arch Environ Contam Toxicol 28:93-107.

Hyotylainen T, Oikari A. 1999. The toxicity and concentrations of PAHs in creosote-contaminated lake sediment. Chemosphere 38:1135-1144.

\*IARC. 1993. IARC scientific publication on indoor concentrations of environmental carcinogens. Volume 12: Indoor air. International Agency for Research on Cancer, World Health Organization, Lyon, France. Publication no. 109, chapter 5.

\*IARC. 1995. Facsimile communication 2/27/95 to Ann Walker, Sciences International, Inc., regarding the evaluation of the carcinogenicity of naphthalene. International Agency for Research on Cancer, World Health Organization, Lyon, France.

\*IARC. 2002. Naphthalene. IARC Monogaraphs on the evaluation of the carcinogenic risk of chemicals to humans. IARC Monogr Eval Carcinog Risks Hum 82:367-435.

\*ICRP. 1975. Report on the task group on reference man. New York, NY: Pergamon Press. International Commission on Radiological Protection.

Ikemoto F, Iwata S. 1978. Sulfhydryl contents of soluble and insoluble lens proteins in naphthalene and traumatic cataracts in rabbits. Ophthalmic Res 10:194-201.

\*IRIS. 2005. Naphthalene. U.S. Environmental Protection Agency. Washington, DC: Integrated Risk Information System. http://www.epa.gov/iris/. May 6, 2005.

Irle U. 1964. [Acute hemolytic anemia caused by naphthalene inhalation in two premature babies and one neonate.] Dtsch Med Wochenschr 89:1798-1800. (German)

IRPTC. 1989a. IRPTC data profile on: 2-methylnaphthalene. International Register of Potentially Toxic Chemicals, United Nations Programme, Geneva, Switzerland. January 1989.

IRPTC. 1989b. IRPTC data profile on: Naphthalene. International Register of Potentially Toxic Chemicals, United Nations Programme, Geneva, Switzerland. January 1989.

\*Iyer P, Martin JE, Irvin TR. 1991. Role of biotransformation in the *in vitro* preimplantation embryotoxicity of naphthalene. Toxicology 66:257-270.

Jackson TJ, Wade TL, McDonald T, et al. 1994. Polynuclear aromatic hydrocarbon contaminants in oysters from the Gulf of Mexico. Environ Pollut 83:291-298.

Jaffe R, Leal I, Alvarado J, et al. 1998. Baseline study on the levels of organic pollutants and heavy metals in bivalves from the Morrocoy National Park, Venezuela. Mar Pollut Bull 36:925-929.

Jaffrezo JL, Clain MP, Masclet P. 1994. Polycyclic aromatic hydrocarbons in the polar ice of Greenland Geochemical use of these atmospheric tracers. Atmos Environ 28:1139-1145.

Jafvert CT. 1991. Sediment- and saturated-soil-associated reactions involving an anionic surfactant (dodecylsulfate). 2. Partition of PAH compounds among phases. Environ Sci Technol 25:1039-1045.

James RC. 1985. Hematotoxicity: Toxic effects in the blood. In: Williams PL, Burson JL, eds. Industrial toxicology. New York, NY: Van Nostrand Reinhold Company, 59-77.

James KJ, Stack MA. 1997. The impact of leachate collection on air quality in landfills. Chemosphere 34:1713-1721.

Jerina DM, Daly JW, Witkop B, et al. 1968. The role of arene oxide-oxepin systems in the metabolism of aromatic substrates, III. Formation of 1,2-naphthalene oxide from naphthalene by liver microsomes. J Am Chem Soc 90:6526-6527.

Jerina DM, Daly JW, Witkop B, et al. 1970. 1,2-Naphthalene oxide as an intermediate in the microsomal hydroxylation naphthalene. Biochemistry 9:147-155.

\*Johanson CE. 1980. Permeability and vascularity of the developing brain: Cerebellum vs cerebral cortex. Brain Res 190:3-16.

Johnstone RA, Quan PM. 1963. Naphthalenes in cigarette smoke [Abstract]. Nature 199:1184.

Juchau MR, Boutelet-Bochan H, Huang Y. 1998. Cytochrome-P450-dependent biotransformation of xenobiotics in human and rodent embryonic tissues. Drug Metabolism Reviews 30(3):541-568.

Junqueira LC, Carneiro J, Kelley RO. 1995. The respiratory system. In: Basic histology. 8<sup>th</sup> edition. Norwalk, CA: Appleton and Lange, 337-341.

\*Kaden DA, Hites RA, Thilly WG. 1979. Mutagenicity of soot and associated polycyclic aromatic hydrocarbons of *Salmonella typhimurium*. Cancer Res 39:4152-4159.

Kahng H-Y, Nam K, Kukor JJ, et al. 2002. PAH utilization by pseudomonas rhodesiae KK1 isolated from a former manufactured-gas plant site. Appl Microbiol Biotechnol 60(4):475-480.

\*Kalow W. 1962. Pharmacogenetics: Heredity and the response to drugs. Philadelphia, PA: W.B. Saunders Company, 116-120.

\*Kanekal S, Plopper C, Morin D, et al. 1990. Metabolic activation and bronchiolar cell necrosis from naphthalene in the isolated perfused mouse lung. J Pharmacol Exp Ther 252(1):428-437.

Kanekal S, Plopper C, Morin D, et al. 1991. Metabolism and cytotoxicity of naphthalene oxide in the isolated perfused mouse lung. J Pharmacol Exp Ther 256:391-401.

Kang J-J, Cheng Y-W. 1997. Polycyclic aromatic hydrocarbons-induced vasorelaxation through activation of nitric oxide synthase in endothelium of rat aorta. Toxicol Lett 93:39-45.

\*Kappeler T, Wuhrmann K. 1978. Microbial degradation of the water-soluble fraction of gas oil - I. Water Res 12:327-333.

\*Karickhoff SW. 1981. Semi-empirical estimation of sorption of hydrophobic pollutants on natural sediments and soils. Chemosphere 10:833-846.

\*Kawabata TT, White KL. 1990. Effects of naphthalene and naphthalene metabolites on the *in vitro* humoral immune response. J Toxicol Environ Health 30:53-67.

\*Keimig SD, Morgan DP. 1986. Urinary 1-naphthol as a biological indicator of naphthalene exposure. Appl Ind Hyg 2:61-65.

Kelly TJ, Muklund R, Spicer CW, et al. 1994. Concentrations and transformations of hazardous air pollutants. Environ Sci Technol 28:378-387.

\*Kelsey JW, Alexander M. 1997. Declining bioavailability and inappropriate estimation of risk of persistent compounds. Environ Toxicol Chem 16(3):582-585.

\*Kenaga EE. 1980. Predicted bioconcentration factors and soil sorption coefficients of pesticides and other chemicals. Ecotoxicol Environ Safety 4:26-38.

Kennicutt MC, McDonald TJ, Denoux GJ, et al. 1992. Hydrocarbon contamination on the Antarctic Peninsula Arthur Harbor - inter and subtidal limpets (Nacella concinna) Mar Pollut Bull 24:506-511.

Kennicutt MC, Wade TL, Presley BJ, et al. 1994. Sediment contaminants in Casco Bay, Maine: Inventories, sources, and potential for biological impact. Environ Sci Technol 28:1-15.

Kilanowicz A, Sapota A. 1998. Disposition and metabolism of 1,2-dimethylnaphthalene in rats. Int J Occup Med Environ Health 11:305-317.

Kilanowicz A, Czerski B, Sapota A. 1999. The disposition and metabolism of naphthalene in rats. Int J Occup Med Environ Health 12(3):209-219.

Kilanowicz A, Darago A, Sapota A. 2002a. The role of glutathione in metabolism of selected dimethylnaphthalenes and naphthalene in rat. Toxicol Lett 135 (Suppl. 1):15-18.

Kilanowicz A, Sapota A, Czerski B, et al. 2002b. Disposition and metabolism of 1,6-dimethylnaphthalene in rats. Toxicol Lett 134:227-235.

\*Kim YM, Harrad S, Harrison RM. 2001. Concentrations and sources of VOCs in urban domestic and public microenvironments. Environ Sci Technol 35:997-1004.

King MWG, Barker JF. 1999. Migration and natural fate of a coal tar creosote plume. I. Overview and plume development. J Contam Hydrol 39:249-279.

King MWG, Barker JF, Devlin JF, et al. 1999. Migration and natural fate of a coal tar creosote plume 2 Mass balance and biodegradation indicators. J Contam Hydrol 39:281-307.

\*Kinman RN, Nutini DL, Carson D. 1995. Evaluation of leachate and gas from sanitary landfills with and without HHW components. 19th Purdue Industrial Waste Conference Proceedings. Chelsea MI: Lewis Publishers, 263-269.

Kinsey VE, Merriam FC. 1950. Studies on the crystalline lens: II. Synthesis of glutathione in the normal and cataractous rabbit lens. Arch Ophthalmol 44:370-380.

\*Kipopoulou AM, Manoli E, Samara C. 1999. Bioconcentration of polycyclic aromatic hydrocarbons in vegetables grown in an industrial area. Environ Pollut 106:369-380.

Kiss G, Varga-Puchony Z, Rohrbacher G, et al. 1998. Distribution of polycyclic aromatic hydrocarbons on atmospheric aerosol particles of different sizes. Atmos Res 46:253-261.

\*Kitchin KT, Brown JL, Kulkarni AP. 1992. Predictive assay for rodent carcinogenicity using *in vivo* biochemical parameters: Operational characteristics and complementarity. Mutat Res 266:253-272.

\*Kitchin KT, Brown JL, Kulkarni AP. 1994. Predicting rodent carcinogenicity by *in vivo* biochemical parameters. Environ Carcinog Ecotoxicol C12(1):63-88.

\*Kitteringham NR, Davis C, Howard N, Pirmohamed M, et al. 1996. Interindividual and interspecies variation in hepatic microsomal epoxide hydrolase activity: Studies with cis-stilbene oxide, carbamazepine 10,11-epoxide and naphthalene. J Pharmaco Exp Ther 278:1018-1027.

\*Klecka GM, Davis JW, Gray DR, et al. 1990. Natural bioremediation of organic contaminants in ground water: Cliff-Dow Superfund site. Ground Water 28(4):534-543.

Kleinfeld M, Messite J, Swencicki R. 1972. Clinical effects of chlorinated naphthalene exposure. J Occup Med 14:377-379.

Knake E. 1956. Uber schwache geschwulsterzeugende wirkung von naphthalin und benzol. Virchows Arch, Bd 329:141-176.

Koch HR, Doldi K. 1975. Naphthalene cataracts in rats of differently pigmented strains [Abstract]. Exp Eye Res 20:180.

Kodama H, Ubuka T, Koyama T, et al. 1974. Effect of naphthalene feeding on the cysteine metabolism in rabbits. Physiol Chem Phys 6:107-112.

Kohler M, Kinniger T, Schmid P, et al. 2000. Inventory and emission factors of creosote, polycyclic aromatic hydrocarbons (PAH) and phenols from railroad ties treated with creosote. Environ Sci Technol 34:4766-4772.

\*Kojima M. 1992. Enzymatic distribution patterns of rat lenses and the changes that occur during naphthalene cataract development. Ophthalmic Res 24:73-82.

Kojima S, Hoda T, Babasaki T, et al. 1954. Identification and determination of urinary and biliary metabolites of 2-isopropylnaphthalene in rats. Eisei Kaguku 30(2):91-95.

Kolpin DW, Barbash JE, Gilliom RJ, et al. 1998. Occurrence of pesticides in shallow groundwater of the United States: Initial results from the national water-quality assessment program. Environ Sci Technol 32:558-566.

Kolpin DW, Furlong ET, Meyer MT, et al. 2002. Pharmaceuticals, hormones, and other organic wastewater contaminants in US streams, 1999-2000: A national reconnaissance. Environ Sci Technol 36:1202-1211.

\*Kolpin DW, Squillace PJ, Zogorski JS, et al. 1997. Pesticides and volatile organic compounds in shallow urban groundwater of the United States. In: Chilton J, et al. Groundwater urban environment: Problems, processes and management. Rotterdam: Balkema.

\*Komori M, Nishio K, Kitada M, et al. 1990. Fetus-specific expression of a form of cytochrome P-450 in human livers. Biochemistry 29:4430-4433.

Kopper Company Inc. 1982. An evaluation of the mutagenic activity of methylnaphthalene fraction in the Ames Salmonella/microsome assay. Submitted to USEPA under section 8D of TSCA. OTS0206434. EPA878213654.

\*Korsak Z, Majcherek W, Rydzynski K. 1998. Toxic effects of acute inhalation exposure to 1-methylnaphthalene and 2-methylnaphthalene in experimental animals. Int J Occup Med Environ Health 11:335-342.

\*Kostianen R. 1995. Volatile organic compounds in the indoor air of normal and sick houses. Atmos Environ 29:693-702.

\*Kraemer M, Bimboes D, Greim H. 1974. *S. typhimurium* and *E. coli* to detect chemical mutagens. Arch Pharmacol 284:R46.

Krahn MM, Ylitalo GM, Buzitis J, et al. 1993. Comparison of high-performance liquid chromatography/fluorescence screening and gas chromatography/mass spectrometry analysis for aromatic compounds in sediments sampled after the Exxon Valdez oil spill. Environ Sci Technol 27:699-708.

Krause M, Wilcke W, Zech W. 2000a. Polycyclic aromatic hydrocarbons and polychlorinated biphenyls in forest soils: depth distribution as indicator of different fate. Environ Pollut 110:79-88.

Krauss M, Wilcke W, Zech W. 2000b. Availability of polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) to earthworms in urban soil. Environ Sci Technol 34:4335-4340.

\*Krishnan K, Andersen ME. 1994. Physiologically based pharmacokinetic modeling in toxicology. In: Hayes AW, ed. Principles and methods of toxicology. 3rd ed. New York, NY: Raven Press, Ltd., 149-188.

Kroener R, Kleber E, Elstner EF. 1991. Cataract induction by 1,2-naphthoquinone. II. Mechanism of hydrogen peroxide formation and inhibition by iodide. Z Naturforsch 46:285-290.

Krstulovic AM, Rosie DM, Brown PR. 1977. Distribution of some atmospheric polynuclear aromatic hydrocarbons. Am Lab 7:11-18.

\*Kulka U, Schmid E, Huber R, et al. 1988. Analysis of the cytogenetic effect in human lymphocytes induced by metabolically activated 1- and 2-methylnaphthalene. Mutat Res 208:155-158.

\*Kurz JM. 1987. Naphthalene poisoning: Critical care nursing techniques. Dimens Crit Care Nurs 6:264-270.

\*Lacson JG, Cometta S, Kishi A. 2000. Chemical economics handbook [database online]. Menlo Park, CA: SRI International.

Lagoudi A, Loizidou M, Asimakopoulos D. 1996. Volatile organic compounds in office buildings I Presence of volatile organic compounds in the indoor air. Indoor Built Environ 5:341-347.

Lai DY. 1984. Halogenated benzenes, naphthalenes, biphenyls and terphenyls in the environment: Their carcinogenic, mutagenic and teratogenic potential and toxic effects. J Environ Sci Health C2:135-184.

\*Lakritz J, Chang A, Weir A, et al. 1996. Cellular and metabolic basis of cell tolerance to multiple doses of cytochrome P450-activated cytotoxicants. I: Bronchiolar epithelial reorganization and expression of cytochrome P450 monooxygenases in mice exposed to multiple doses of naphthalene. J Pharmacol Exp Ther 278(3):1408-1418.

Lakritz J, Winder BS, Noorous-Zadeh J, et al. 2000. Hepatic and pulmonary enzyme activities in horses. Am J Vet Res 61(2):152-157.

Lamoureux EM, Brownawell BJ. 1999. Chemical and biological availability of sediment-sorbed hydrophobic organic contaminants. Environ Toxicol Chem 18:1733-1741.

Landmeyer JE, Chapelle FH, Petkewich MD, et al. 1998. Assessment of natural attenuation of aromatic hydrocarbons in groundwater near a former manufacturing-gas plant, South Carolina, USA. Environ Geol 34:279-292.

\*Lanza DL, Code E, Crespi CL, et al. 1999. Specific dehydrogenation of 3-methylindole and epoxidation of naphthalene by recombinant human CYP2F1 expressed in lymphoblastoid cells. Drug Metab Dispos 27(7):798-803.

\*LaRegina J, Bozzelli JW, Harkov R, et al. 1986. Volatile organic compounds at hazardous waste sites and a sanitary landfill in New Jersey. Environ Prog 5(1):18-27.

\*Lau OW, Wong SK, Leung KS. 1994. Naphthalene contamination of sterilized milk drinks contained in low-density polyethylene bottles. Part 1. Analyst 119(5):1037-1042.

\*Lau OW, Wong SK, Leung KS. 1995. Naphthalene contamination of sterilized milk drinks contained in low-density polyethylene bottles. Part 2. Effect of naphthalene vapour in air. Analyst 120(4):1125-1128.

Lawson GW, Van Winkle L, Toskala E, et al. 2002. Mouse strain modulates the role of the ciliated cell in acute tracheobronchial airway injury-distal airways. Am J Pathol 160(1):315-327.

\*Lebo JA, Zajicek JL, Schwartz T, et al. 1991. Determination of monocyclic and polycyclic aromatic hydrocarbons in fish tissue. J Assoc Off Anal Chem 74(3):538-544.

Lee RF, Anderson JW. 1977. Fate and effect of naphthalenes: Controlled ecosystem pollution experiment. Bull Mar Sci 27:127-134.

Lee G, Ray C, Siemers R, et al. 1989. Recent developments in high speed gas chromatography. Am Lab (February):108-119.

Lee HJ, Villaume J, Cullen DC, et al. 2003. Monitoring and classification of PAH toxicity using an immobilized bioluminescent bacteria. Biosensors Bioelectronics 18(5-6):571-577.

\*Lee K-M, Levin DL, Webb R, et al. 1997. Pulmonary alveolar proteinosis. High-resolution CT, chest radiographic, and functional correlations. Chest 111:989-995.

Lee W-J, Wang Y-F, Lin T-C, et al. 1995. PAH characteristics in the ambient air of traffic-source. Sci Total Environ 159:185-200.

\*Leeder JS, Kearns GL. 1997. Pharmacogenetics in pediatrics: Implications for practice. Pediatr Clin North Am 44(1):55-77.

Leguen S, Prost C, Demaimay M. 2000. Critical comparison of three olfactometric methods for the identification of the most potent odorants in cooked mussels (*Mytilus edulis*). J Agric Food Chem 48:1307-1314.

\*Lehmann I, Thoelke A, Rehwagen M, et al. 2002. The influence of maternal exposure to volatile organic compounds on the cytokine secretion profile of neonatal T cells. Environ Toxicol 17(3):203-210.

Lepri L, Desideri P, Cini R, et al. 1995. Transport of organochlorine pesticides across the air/sea interface during the aerosol process. Anal Chim Acta 317:149-160.

\*Leung H-W. 1993. Physiologically-based pharmacokinetic modelling. In: Ballentine B, Marro T, Turner P, eds. General and applied toxicology. Vol. 1. New York, NY: Stockton Press, 153-164.

Levy GN, Weber WW. 1988. High-performance liquid chromatographic analysis of <sup>32</sup>P-postlabeled DNA-aromatic carcinogen adducts. Anal Bioch 174:381-392.

\*Lezenius A. 1902. [A fall from naphthalene-induced cataracts in masons]. Klin Monatsbl Augenheilkd. 40:129. (German)

Li C-T, Mi H-H, Lee W-J. 1999. PAH emission from the industrial boilers. J Hazard Mater 69:1-11.

Li H, Christensen ER, VanCamp RP, et al. 1996a. PAHs in dated sediments of Ashtabula River, Ohio, USA. Environ Sci Technol

Li H, Otson R, Fellin P. 1996b. Phase distribution of PAH under different atmospheric conditions. In: Jayanty RKM, Fuerst RG, eds. Measurement of toxic and related air pollutants: An international symposium. Research Triangle Park, NC: U.S. Environmental Protection Agency's Atmospheric Research and Exposure Assessment Laboratory and the Air & Waste Management Association. EPA600R96096. PB96210323, 3-11.

\*Liao W, Smith WD, Chiang TC. 1988. Rapid, low-cost cleanup procedure for determination of semivolatile organic compounds in human and bovine adipose tissues. J Assoc Off Anal Chem 71(4):742-747.

Librando V, Faxxino SD. 1993. Quantification of polycyclic aromatic hydrocarbons and their nitro derivatives in atmospheric particulate matter of Augusta City. Chemosphere 27:1649-1656.

Lide DR, ed. 1990. CRC handbook of chemistry and physics. 71st ed. CRC Press.

Lin P-H, Kang Y-W, Pan W-C, et al. 2004. Induction of aldehydic DNA lesions by quinonoid derivatives of naphthalene in calf thymus DNA and in the human mammary carcinoma cell line T47D. Proc Am Assoc Cancer Res 44:1057.

\*Linick M. 1983. Illness associated with exposure to naphthalene in mothballs - Indiana. MMWR 32:34-35.

Liu K, Xie W, Zhao Z-B, et al. 2000. Investigation of polycyclic aromatic hydrocarbons in fly ash from fluidized bed combustion systems. Environ Sci Technol 34:2273-2279.

\*Livingston, AL. 1978. Forage plant estrogens. J Toxicol Environ Health 4:301-324.

Livingstone DR. 1992. Persistent pollutants in marine invertebrates. In: Walker CH, Livingstone DR, eds. Persistent Pollutants in Marine Ecosystems, 235-263.

Lockhart WL, Wilkinson P, Billeck BN, et al. 1993. Polycyclic aromatic hydrocarbons and mercury in sediments from two isolated lakes in Central and Northern Canada. Water Sci Technol 28:43-52.

Loehr RC, Rogers LA, Erickson DC. 1992. Mobility of residues at petroleum industry hazardous waste land treatment sites. Water Sci Technol 25:191-196.

\*Lofgren L, Persson K, Stromevall AM, et al. 1991. Exposure of commuters to volatile aromatic hydrocarbons from petrol exhaust. Sci Total Environ 108:225-233.

\*Long PH, Herbert RA, Peckham JC, et al. 2003. Morphology of nasal lesions in F344/N rats following chronic inhalation exposure to naphthalene vapors. Toxicol Pathol 31:655-664.

\*Lopes TJ, Furlong ET. 2001. Occurrence and potential adverse effects of semivolatile organic compounds in streambed sediment, United States 1992-1995. Environ Sci Technol 20:727-737.

Lopes TJ, Furlong ET, Pritt JW. 1997. Occurrence and distribution of semivolatile organic compounds in stream bed sediments, United States, 1992-1995. In: Little EE, ed. Toxicology Risk Assessment. American Society Testing Materials, 105-119.

\*Lorber M. 1972. Hematoxicity of synergized pyrethrin insecticides and related chemicals in intact, totally and subtotally splenectomized dogs. Acta Hepato-Gastroenterol 19:66-78.

\*Luthy RG, Dzombak DA, Peters CA, et al. 1994. Remediating tar-contaminated soils at manufactured gas plant sites. Environ Sci Technol 28(6):266A-276A.

Luthy RG, Ramaswami A, Ghoshal S, et al. 1993. Interfacial films in coal tar nonaqueous-phase liquid-water systems. Environ Sci Technol 27(13):2914-2918.

Luxenhofer O, Ballschmiter K. 1994. C4-C14-alkyl nitrates as organic trace compounds in air. Fresenius J Anal Chem 350:395-402.

\*MacGregor RR. 1954. Naphthalene poisoning from the ingestion of moth balls. Can Med Assoc J 70:313-314.

Mackay D, Shiu WY, Sutherland RP. 1979. Determination of air-water Henry's Law constants for hydrophobic pollutants. Environ Sci Technol 13:333-336.

\*Mackell JV, Rieders F, Brieger H, et al. 1951. Acute hemolytic anemia due to ingestion of naphthalene moth balls. I. Clinical aspects. Pediatrics 71:722-727.

\*Mahvi D, Bank H, Harley R. 1976. Morphology of a naphthalene-induced bronchiolar lesion. Am J Pathol 86:559-572.

Malerba I, Diodovich C, Bowe G, et al. 2004. Naphthalene exposure: effects on apoptosis and gene expression in human cord blood cells. Toxicol Lett 144(Supp. 1):s55.

\*Mamber SW, Bryson V, Katz SE. 1983. The *Escherichia coli* WP2/WP100 rec assay for detection of potential chemical carcinogens. Mutat Res 119:135-144.

\*Mamber SW, Bryson V, Katz SE. 1984. Evaluation of the *Escherichia coli* K12 inductest for detection of potential chemical carcinogens. Mutat Res 130:141-151.

Manoli LC, Kirchstetter TW, Harley RA, et al. 2000. Polycyclic aromatic hydrocarbons in the bulk precipitation and surface waters of Northern Greece. Chemosphere 41:1845-1855.

Manukovski NS, Teremova MI, Gurevich YL, et al. 1991. Phenol and naphthalene degradation by mixed culture of microorganisms. Institute of Biophysics, USSR Academy of Sciences, 155-163.

\*Marco MP, Nasiri M, Kurth MJ, et al. 1993. Enzyme-linked immunosorbent assay for the specific detection of the mercapturic acid metabolites of naphthalene. Chem Res Toxicol 6:284-293.

Marr LC, Kirchstetter TW, Harley RA, et al. 1999. Characterization of polycyclic aromatic hydrocarbons in motor vehicle fuels and exhaust emissions. Environ Sci Technol 33:3091-3099.

Marsili L, Fossi MC, Casini S, et al. 1997. Fingerprint of polycyclic aromatic hydrocarbons in two populations of southern sea lions (*otaria flavescens*). Chemosphere 34:759-770.

Masclet P, Cachier H, Liousse C, et al. 1995. Emissions of polycyclic aromatic hydrocarbons by Savanna Fires. J Atmos Chem 22:41-54.

\*Mason RT. 1995. Naphthalene. In: Kroschwitz JI, Howe-Grant M, eds. Kirk-Othmer encyclopedia of chemical technology. New York: John Wiley and Sons, 963-979.

Mastral AM, Callen MS, Garcia T. 1999. Polycyclic aromatic hydrocarbons and organic matter associated to particulate matter emitted from atmospheric fluidized bed coal combustion. Environ Sci Technol 33:3177-3184.

Mayer KH, Karim SA, Kelly C, et al. 2003. Safety and tolerability of vaginal PRO 2000 gel in sexually active HIV-uninfected and abstinent HIV-infected women. AIDS 17(3):321-329.

\*Mayr U, Butsch A, Schneider S. 1992. Validation of two *in vitro* test systems for estrogenic activities with zearalenone, phytoestrogens and cereal extracts. Toxicology 74:135-149.

Mazzera D, Hayes T, Lowenthal D, et al. 1999. Quantification of polycyclic aromatic hydrocarbons in soil at McMurdo Station, Antarctica. Sci Total Environ 229:65-71.

\*Mazzone P, Thomassen MJ, Kavuru M. 2001. Our new understanding of pulmonary alveolar proteinosis: What an internist needs to know. Cleve Clin J Med 68:977-985.

\*McCann J, Choi E, Yamasaki E, et al. 1975. Detection of carcinogens as mutagens in the *Salmonella*/microsome test: Assay of 300 chemicals. Proc Natl Acad Sci U S A 72(12):5135-5139.

McConnell LL, Bidleman TF. 1998. Collection of two-ring aromatic hydrocarbons, chlorinated phenols, guaiacols, and benzenes from ambient air using polyurethane foam/tenax-gc cartridges. Chemosphere 37:885-898.

\*McCoull KD, Rindgen D, Blair IA, et al. 1999. Synthesis and characterization of polycyclic aromatic hydrocarbon o-quinone depurinating N7-guanine adducts. Chem Res Toxicol 12:237-246.

McCoy EC, Rosenkranz EJ, Petrullo LA, et al. 1981. Structural basis of the mutagenicity in bacteria of nitrated naphthalene and derivatives. Environ Mutagen 3:499-511.

McCreary JJ, Jackson JG, Zoltek J. 1983. Toxic chemicals in an abandoned phenolic waste site. Chemosphere 12:1619-1632.

\*McDonald JD, Zielinska B, Jujita EM, et al. 2000. Fine particle and gaseous emission rates from residential wood combustion. Environ Sci Technol 34:2080-2091.

McDonald SJ, Kennicutt MC, Liu H, et al. 1995. Assessing aromatic hydrocarbon exposure in Antarctic fish captured near Palmer and McMurdo Stations, Antarctica. Arch Environ Contam Toxicol 29:232-240.

McElroy EA, Buckner JC, Lewis JE, et al. 1998. Chemotherapy for advanced esthesioneuroblastoma: the mayo clinic experience. Neurosurgery 42(5):1023-1028.

\*McGilvery RW. 1983. Biochemistry a functional approach. 3rd ed. W.B. Saunders Company, 741.

\*McMurray WC. 1977. Essentials of human metabolism. 2nd ed. Philadelphia, PA: Harper & Row, 252-254.

McNally DL, Milhelic JR, Lueking DL. 1999. Biodegradation of mixtures of polycyclic aromatic hydrocarbons under aerobic and nitrate-reducing conditions. Chemosphere 38:1313-1321.

Means JC. 1998. Compound-specific gas chromatographic/mass spectrometric analysis of alkylated and parent polycyclic aromatic hydrocarbons in waters, sediments, and aquatic organisms. J AOAC Int 81:657-672.

Melancon MJ Jr, Lech JJ. 1979. Uptake, biotransformation, disposition, and elimination of 2-methylnaphthalene and naphthalene in several fish species. Proceedings of the 2nd Annual Symposium on Aquatic Toxicology, 5-22.

\*Melancon MJ, Rickert DE, Lech JJ. 1982. Metabolism of 2-methylnaphthalene in the rat *in vivo*: I. Identification of 2-naphthoylglycine. Drug Metab Dispos 10:128-133.

\*Melancon MJ, Williams DE, Buhler DR, et al. 1985. Metabolism of 2-methylnaphthalene by rat and rainbow trout hepatic microsomes and purified cytochromes P-450. Drug Metab Dispos 13:542-547.

Melcer H, Steel P, Bedford WK. 1995. Removal of polycyclic aromatic hydrocarbons and heterocyclic nitrogen compounds in a municipal treatment plant. Water Environ Res 67:926-934.

\*Melzer-Lange M, Walsh-Kelly C. 1989. Naphthalene-induced hemolysis in a black female toddler deficient in glucose-6-phosphate dehydrogenase. Pediatr Emerg Care 5:24-26.

\*Mersch-Sundermann V, Mochayedi S, Kevekordes S, et al. 1993. The genotoxicity of unsubstituted and nitrated polycyclic aromatic hydrocarbons. Anticancer Res 13:2037-2044.

\*Michael LC, Pellizzari ED, Wiseman RW. 1988. Development and evaluation of a procedure for determining volatile organics in water. Environ Sci Technol 22:565-570.

Mihelcic JR, Luthy RG. 1991. Sorption and microbial degradation of naphthalene in soil-water suspensions under denitrification conditions. Environ Sci Technol 25:169-177.

\*Miles AK, Roster N. 1999. Enhancement of polycyclic aromatic hydrocarbons in estuarine invertebrates by surface runoff at a decommissioned military fuel depot. Mar Environ Res 47:49-60.

\*Miles CJ, Delfino JJ. 1999. Priority pollutant polycyclic aromatic hydrocarbons in Florida sediments. Bull Environ Contam Toxicol 63:226-234.

\*Minyard JP, Roberts WE. 1991. Chemical contaminants monitoring. State findings on pesticide residues in foods - 1988 and 1989. Assoc Off Anal Chem 74:438-452.

Mitchell AE, Lakritz J, Jones AD. 2000. Quantification of individual glutathione *S*-transferase isozymes in hepatic and pulmonary tissues of naphthalene-tolerant mice. Arch Toxicol 74:215-221.

Miura R, Honmaru S, Nakazaki M. 1968. The absolute configurations of the metabolites of naphthalene and phenanthrene in mammalian systems. Tetrahedron Lett 50:5271-5274.

Mohammed SA, Sorensen DL, Sims RC, et al. 1998. Pentachlorophenol and phenanthrene biodegradation in creosote contaminated material. Chemosphere 37:103-111.

\*Moore MM, Harrington-Brock K. 2000. Mutagenicity of trichloroethylene and its metabolites: Implications for the risk assessment of trichloroethylene. Environ Health Perspect Suppl 108(Supp 2):215-223.

Morgan DP. 1982. Pesticide toxicology. In: Tu AT, ed. Survey of contemporary toxicology. Vol 2. New York, NY: John Wiley and Sons, 1-36.

\*Morselli PL, Franco-Morselli R, Bossi L. 1980. Clinical pharmacokinetics in newborns and infants: Age-related differences and therapeutic implications. Clin Pharmacokin 5:485-527.

\*Mortelmans K, Haworth S, Lawlor T, et al. 1986. *Salmonella* mutagenicity tests: II. Results from the testing of 270 chemicals. Environ Mutagen 8:1-119.

Mueller M, Klein W. 1993. Fugacity calculations using estimated physico-chemical properties. SAR QSAR Environ Res 1:235-262.

Muhammad F, Baynes RE, Monteiro-Riviera NA, et al. 2003. Absorption through porcine skin exposed to various doses of jet fuel marker components determined with GC-FID using head space SPME fiber. Toxicol Sci 72(S-1):383.

Mulder H, Breure AM, Rulkens WH. 2001. Application of a mechanistic desorption-biodegradation model to describe the behavior of polycyclic aromatic hydrocarbons in peat soil aggregates. Chemosphere 42:285-299.

Mumford JL, Williams RW, Walsh DB, et al. 1991. Indoor air pollutants from unvented kerosene heater emissions in mobile homes: Studies on particles, semivolatile organics, carbon monoxide, and mutagenicity. Environ Sci Technol 25:1732-1738.

\*Murano H, Kojima M, Sasaki K. 1993. Differences in naphthalene cataract formation between albino and pigmented rat eyes. Ophthalmic Res 25:16-22.

Murarka I, Neuhauser E, Sherman M, et al. 1992. Organic substances in the subsurface: Delineation, migration, and remediation. J Hazard Mater 32(2-3):245-261.

\*Murata Y, Denda A, Maruyama H, et al. 1993. Chronic toxicity and carcinogenicity studies of 1-methylnaphthalene in B6C3F1 mice. Fundam Appl Toxicol 21:44-51.

\*Murata Y, Denda A, Maruyama H, et al. 1997. Chronic toxicity and carcinogenicity studies of 2-methylnaphthalene in B6C3F1 mice. Fundam Appl Toxicol 36(1):90-93.

\*Murata Y, Emi Y, Denda A et al. 1992. Ultrastructural analysis of pulmonary alveolar proteinosis induced by methylnaphthalene in mice. Exp Toxicol Pathol 44:47-54.

\*Murray AD, Lockhart WL. 1988. Determination of trace volatile organic compounds in fish tissues by gas chromatography. J Assoc Off Anal Chem 71:1086-1089.

Naes K, Hylland K, Oug E, et al. 1999. Accumulation and effects of aluminum smelter-generated polycyclic aromatic hydrocarbons on soft-bottom invertebrates and fish. Environ Toxicol Chem 18:2205-2216.

Nagata K, Martin BM, Gillette JR, et al. 1990. Isozymes of cytochrome P-450 that metabolize naphthalene in liver and lung of untreated mice. Drug Metab Dispos 18:557-564.

Nagata M, Kojima M, Sasaki K. 1999. Effect of vitamin E eye drops on naphthalene-induced cataract in rats. J Ocular Pharm and Therapeutics 15(4):345-351.

Naiman JL, Kosoy MH. 1964. Red cell glucose-6-phosphate dehydrogenase deficiency - a newly recognized cause of neonatal jaundice and kernicterus in Canada. Can Med Assoc J 91:1243-1249.

\*Nakamura S, Oda Y, Shimada T, et al. 1987. SOS-inducing activity of chemical carcinogens and mutagens in *Salmonella typhimurium* TA1535/pSK1002: Examination with 151 chemicals. Mutat Res 192:239-246.

\*Narbonne, JF; Cassand, P; Alzieu, P; et al. 1987. Structure-activity relationships of the N-methylcarbamate series in *Salmonella typhimurium*. Mutat Res 191:21-27.

\*NAS/NRC. 1989. Biologic markers in reproductive toxicology. National Academy of Sciences/National Research Council. Washington, DC: National Academy Press, 15-35.

NATICH. 1988. NATICH database report on state, local and EPA air toxics activities. Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Air Quality, Planning and Standards, National Air Toxics Information Clearing House.

NATICH. 1995. NATICH database report on state, local and EPA air toxics activities. Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Air Quality, Planning and Standards, National Air Toxics Information Clearing House.

\*Neff JM, Burns WA. 1996. Estimation of polycyclic aromatic hydrocarbon concentrations in the water column based on tissue residues in mussels and salmon: An equilibrium partitioning approach. Environ Toxicol Chem 15:2240-2253.

Nerin C, Asensio E. 2004. Behaviour of organic pollutants in paper and board samples intended to be in contact with food. Anal Chim Acta 508(2):185-191.

\*NIOSH. 1977. Naphthalene - method S292. In: NIOSH manual of analytical methods. Vol 3. Cincinnati, OH: National Institute for Occupational Safety and Health.

\*NIOSH. 1980. Worker exposure to polyaromatic hydrocarbons at selected petroleum refinery process units of Sun Oil Refinery, Tulsa, Oklahoma. Report to National Institute for Occupational Safety and Health, Cincinnati, OH, by Enviro Control, Inc., Rockville, MD. NTIS No. PB81-236846.

\*NIOSH. 1984a. Hydrocarbons, aromatic - method 1501. In: NIOSH manual of analytical methods. 3rd ed. Cincinnati, OH: National Institute for Occupational Safety and Health.

\*NIOSH. 1984b. Polynuclear aromatic hydrocarbons - method 5515-1 to 5515-6. In: NIOSH manual of analytical methods. 3rd ed. Cincinnati, OH: National Institute for Occupational Safety and Health.

NIOSH. 1985. NIOSH pocket guide to chemical hazards. Washington, DC: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control, National Institute for Occupational Safety and Health.

\*NIOSH. 1987. Registry of toxic effects of chemical substances. Vol. 4. 1985-86 ed. Washington, DC U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control, National Institute for Occupational Safety and Health, 3687.

NIOSH. 1988a. National Occupational Exposure Survey. Cincinnati, OH: National Institute for Occupational Safety and Health, 201-202.

NIOSH. 1988b. National Occupational Hazard Survey. Cincinnati, OH: National Institute for Occupational Safety and Health, 224, 361.

\*NIOSH. 1991. National Occupational Exposure Survey. Cincinnati, OH: National Institute for Occupational Safety and Health.

NIOSH. 1992. NIOSH pocket guide to chemical hazards. National Institute for Occupational Safety and Health. Washington, DC: U.S. Department of Health and Human Services, 28.

\*NIOSH. 2003. Naphthalene. NIOSH pocket guide to chemical hazards. Washington, DC: National Institute for Occupational Safety and Health. http://www.cdc.gov/niosh/npg/npg.html. June 6, 2003.

\*NLM. 1995. Chemline. National Library of Medicine, Bethesda, MD.

\*NLM. 2002. Pulmonary alveolar proteinosis. MEDLINEplus Medical encyclopedia. National Library of Medicine. http://www.nlm.nih.gov/medlineplus/ency/article/000114.htm. June 18, 2002.

NRC. 1983. Risk assessment in the federal government: managing the process. National Research Council. Washington, DC: National Academy Press.

\*NRC. 1993. National Research Council. Pesticides in the diets of infants and children. Washington, DC: National Academy Press.

\*NTP. 1980a. Subchronic toxicity study: Naphthalene (C52904), B6C3F1 mice. Research Triangle Park, NC: U.S. Department of Health and Human Services, National Toxicology Program.

\*NTP. 1980b. Subchronic toxicity study: Naphthalene (C52904), Fischer 344 rats. Research Triangle Park, NC: U.S. Department of Health and Human Services, National Toxicology Program.

NTP. 1988a. Fiscal year 1988 annual plan. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. National Toxicology Program.

NTP. 1988b. Review of current DHHS, DOE, and EPA research related to toxicology. Fiscal year 1988. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program.

\*NTP. 1989. Chemical status report produced from NTP Chemtrack system. Research Triangle Park, NC: National Toxicology Program, Division of Toxicology Research and Testing, 1-21.

\*NTP. 1991a. Developmental toxicity of naphthalene (CAS No. 91-20-3) administered by gavage to Sprague-Dawley (CD) rats on gestational days 6 through 15. Final study report and appendix. Research Triangle Park, NC: National Toxicology Program, National Institute of Environmental Health Sciences, U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health. TER91006.

NTP. 1991b. Developmental toxicity of naphthalene (CAS No. 91-20-3) administered by gavage to Sprague-Dawley (CD) rats on gestational days 6 through 15. Laboratory Supplement, sections I-VIII. Research Triangle Park, NC: National Toxicology Program, National Institute of Environmental Health Sciences, U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health. TER91006.

\*NTP. 1992a. Toxicology and carcinogenesis studies of naphthalene (CAS No. 91-20-3) in B6C3F<sub>1</sub> mice (inhalation studies). Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health. National Toxicology Program. NIH Publication No. 92-3141. Technical report series no. 410.

\*NTP. 1992b. Developmental toxicity of naphthalene (CAS No. 91-20-3) administered by gavage to New Zealand white rabbits on gestational days 6 through 9. Research Triangle Park, NC: National Toxicology Program, National Institute of Environmental Health Sciences, U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health. TER91021.

NTP. 1992c. Toxicology and carcinogenesis studies of naphthalene (CAS NO. 91-20-3) in B6C3F1 mice (inhalation studies). National Toxicology Program. TR-410.

\*NTP. 2000. Toxicology and carcinogenesis studies of naphthalene (CAS No. 91-20-3) in F344/N rats (inhalation studies). National Toxicology Program. NTP TR 500, NIH Publ. No. 01-4434.

\*NTP. 2002a. NTP chemical repository. http://ntp-server.niehs.nih.gov/cgi/iH\_Indexes/ALL\_SRCH/iH\_ALL\_SRCH\_Frames.html. October 23, 2002.

NTP. 2002b. Report on Carcinogens Background Document for Naphthalene. Durham, NC: Technology Planning and Management Corporation. http://ntp-serve.niehs.nih.gov/newhomeroc/rocII/naphthalenePub.pdf. June 6, 2002.

\*NTP. 2005. Report on carcinogens. 11<sup>th</sup> edition. Research Triangle Park, NC: U.S. Department of Health and Human Services, National Toxicology Program. http://ntp-server.niehs.nih.gov/ntp/roc/toc11.html. February 15, 2004.

\*O'Brien KA, Smith LL, Cohen GM. 1985. Differences in naphthalene-induced toxicity in the mouse and rat. Chem Biol Interact 55:109-122.

\*O'Brien KA, Suverkropp C, Kanekal S, et al. 1989. Tolerance to multiple doses of the pulmonary toxicant, naphthalene. Toxicol Appl Pharmacol 99:487-500.

Oesch F, Daly J. 1972. Conversion of naphthalene to trans-naphthalene dihydrodiol: Evidence for the presence of a coupled aryl monooxygenase-epoxide hydrase system in hepatic microsomes. Biochem Biophys Res Commun 46:1713-1720.

Offenberg JH, Baker JE. 1999. Influence of Baltimore's urban atmosphere on organic contaminants over the Northern Chesapeake Bay. J Air Waste Manage Assoc 49:959-965.

Ogino S, Tojo H, Fujishige I, et al. 1957. Biochemical studies on cataract: IX. Contribution to the histopathology of cataract caused by various guinoid substances. Am J Ophthalmol 44:94-105.

\*Ojwang PJ, Ahmed-Jushuf IH, Abdullah MS. 1985. Naphthalene poisoning following ingestion of moth balls: Case report. East Afr Med J 62(1):71-73.

Oman C, Hynning P-A. 1993. Identification of organic compounds in municipal landfill leachates. Environ Pollut 80:265-271.

Orberg J. 1978. Effects of pure chlorobiphenyls (2,4',5-trichlorobiphenyl and 2,2',4,4',5,5'-hexachlorobiphenyl) on the reproductive capacity in female mice. Acta Pharmacol Toxicol (Copenh) 42:323-327.

Ortiz E, Kraatz M, Luthy RG. 1999. Organic phase resistance to dissolution of polycyclic aromatic hydrocarbon compounds. Environ Sci Technol 33:235-242.

\*Orzalesi N, Migliavacca L, Miglior S. 1994. Subretinal neovascularization after naphthalene damage to the rabbit retina. Invest Ophthalmol Vis Sci 35(2):696-705.

OSHA. 1995. U.S. Department of Labor. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1910.1000, Table Z-1.

\*OSHA. 2003a. Occupational safety and health standards. Limits for air contaminants. Washington, DC: Occupational Safety and Health Administration. 29 CFR 1910.1000, Table Z-1. http://www.osha.gov/comp-links.html. June 6, 2003.

\*OSHA. 2003b. Occupational safety and health standards for shipyard employment. Air contaminants. Washington, DC: Occupational Safety and Health Administration. 29 CFR 1915.1000. http://www.osha.gov/comp-links.html. June 6, 2003.

\*OSHA. 2003c. Safety and health regulations for construction. Gases, vapors, fumes, dusts, and mists. Washington, DC: Occupational Safety and Health Administration. 29 CFR 1926.55, Appendix A. http://www.osha.gov/comp-links.html. June 6, 2003.

\*OTA. 1990. Neurotoxicity: Identifying and controlling poisons of the nervous system. Washington, DC: Office of Technology Assessment, U.S. Congress. OTA-BA-436. April 1990.

\*Owa JA. 1989. Relationship between exposure to icterogenic agents, glucose-6-phosphate dehydrogenase deficiency and neonatal jaundice in Nigeria. Acta Paediatr Scand 78(6):848-852.

\*Owa JA, Izedonmwen OE, Ogundaini AO, et al. 1993. Quantitative analysis of 1-naphthol in urine of neonates exposed to mothballs: the value in infants with unexplained anaemia. Afr J Med Sci 22:71-76.

\*Owen GM, Brozek J. 1966. Influence of age, sex and nutrition on body composition during childhood and adolescence. In: Falkner F, ed. Human development. Philadelphia, PA: WB Saunders, 222-238.

Paasivirta J, Sinkkonen S, Mikkelson P. 1999. Estimation of vapor pressures, solubilities and Henry's law constants of selected persistent organic pollutants as functions of temperature. Chemosphere 39:811-832.

Pakdel H, Couture G, Roy C, et al. 1994. Developing methods for the analysis of toxic chemicals in soil and groundwater: The case of Ville Mercier, Quebec, Canada. In: Lesage S, Jackson RE, eds. Groundwater contamination analysis of hazardous waste sites. New York: Marcel Dekker, Inc., 381-421.

\*Pakenham G, Lango J, Buonarati M, et al. 2002. Urinary naphthalene mercapturates as biomarkers of exposure and stereoselectivity of naphthalene epoxidation. Drug Metab Dispos 30(3):247-253.

Palmer PT, Martin M, Wentworth G, et al. 2003. Analysis of pesticide residues on museum objects repatriated to the Hupa Tribe of California. Environ Sci Technol 37(6):1083-1088.

Pandya U, Chandra A, Saini M, et al. 2000a. Dietary curcumin delays progression of naphthalene-induced cataract in rats. Invest Ophthalmol Vis Sci 41(4):S209.

Pandya U, Saini MK, Jin GF, et al. 2000b. Dietary curcumin prevents ocular toxicity of naphthalene in rats. Toxicol Lett 115:195-204.

\*Pankow JF, Ligocki MP, Rosen ME, et al. 1988. Adsorption/thermal desorption with small cartridges for the determination of trace aqueous semivolatile organic compounds. Anal Chem 60:40-47.

\*Papciak RJ, Mallory VT. 1990. Acute toxicological evaluation of naphthalene. J Am Coll Toxicol Part B: Acute toxicity data 1(1):17-19.

\*Park KS, Sims RC, Dupont RR, et al. 1990. Fate of PAH compounds in two soil types: Influence of volatilization, abiotic loss and biological activity. Environ Toxicol Chem 9:187-195.

Parkin DM, Wahrendorf J, Demaret E. 1987. Directory of on-going research in cancer epidemiology. Lyon, France: International Agency for Research on Cancer, 390, 608.

Parkinson A. 2001. Biotransformation of xenobiotics. In: Klassen, CD, ed. Casarett and Doull's toxicology. The basic science of poisons. 6th ed. New York: McGraw Hill Medical Publishing Division, 133-224.

Parrish AR, Alejandro NF, Bowes RC, et al. 1998. Cytotoxic response profiles of cultured renal epithelial and mesenchymal cells to selected aromatic hydrocarbons. Toxicol In Vitro 12:219-232.

Patty FA, ed. 1963. Industrial hygiene and toxicology. Vol. 2. New York, NY: John Wiley and Sons.

Peake JL, Reynolds SD, Stripp BR, et al. 2000. Alteration of pulmonary neuroendocrine cells during epithelial repair of naphthalene-induced airway injury. Am J Pathol 156(1):279-286.

Pedersen LM, Cohr K-H. 1984. Biochemical pattern in experimental exposure of humans to white spirit. I. The effects of a 6 hours single dose. Acta Pharmacol Toxicol 55:317-324.

\*Pellizzari ED, Hartwell TD, Benjamin SH, et al. 1982. Purgeable organic compounds in mother's milk. Bull Environ Contam Toxicol 28:322-328.

Penning TM, Burczynski ME, Hung CF, et al. 1999. Dihydrodiol dehydrogenases and polycyclic aromatic hydrocarbon activation: generation of generation of reactive and redox active o-quinones. Chem Res Toxicol 12(1):1-18.

\*Pereira WE, Domagalski JL, Hostettler FD, et al. 1996. Occurrence and accumulation of pesticides and organic contaminants in river sediment water and clam tissues from the San Joaquin River and tributaries, California. Environ Toxicol Chem 15:172-180.

\*Pereira WE, Hostettler FD, Rapp JB. 1996. Distributions and fate of chlorinated pesticides biomarkers and polycyclic aromatic hydrocarbons in sediments along a contamination gradient from a point-source in San Francisco Bay, California. Mar Environ Res 41:299-314.

Pereira WE, Hostettler FD, Luoma SN, et al. 1999. Polycyclic aromatic hydrocarbons. Mar Chem 64:99-113.

Peters CA, Luthy RG. 1993. Coal tar dissolution in water-miscible solvents: experimental evaluation. Environ Sci Technol 27:2831-2843.

Petridou E, Polychronopoulou A, Kouri N, et al. 1997. Unintentional childhood poisoning in Athens: A mirror of consumerism? Clin Toxicol 35(6):669-675.

Petry T, Schmid P, Schlatter C. 1996a. Airborne exposure to polycyclic aromatic hydrocarbons (PAHs) and urinary excretion of 1-hydroxypyrene of carbon anode plant workers. Ann Occup Hyg 40:345-357.

Petry T, Schmid P, Schlatter C. 1996b. The use of toxic equivalency factors in assessing occupational and environmental health risk associated with exposure to airborne mixtures of polycyclic aromatic hydrocarbons (PAHs). Chemosphere 32:639-648.

Pettersson B, Curvall M, Enzell CR. 1980. Effects of tobacco smoke compounds on the noradrenaline induced oxidative metabolism in isolated brown fat cells. Toxicology 18:1-15.

Petty JD, Poulton BC, Charbonneau CS, et al. 1998. Determination of bioavailable contaminants in the lower Missouri River following the flood of 1993. Environ Sci Technol 32:837-842.

Peven CS, Uhler Ad, Querzoli FJ. 1996. Caged mussels and semipermeable membrane devices as indicators of organic contaminant uptake in Dorchester and Duxbury Bays, Massachusetts. Environ Toxicol Chem 15:144-149.

Philpot RM, Wolf CR. 1981. The properties and distribution of the enzymes of pulmonary cytochrome P-450-dependent monoxygenase systems. In: Hodgson E, Bend JR, Philpot RM, eds. Reviews in biochemical toxicology. Vol. 3. New York, NY: Elsevier Science Publications, 51-76.

Phimister A, Plopper CG. Role of glutathione depletion in toxicant induced injury to cells [abstract]. Toxicologist 72(S-1):351.

Piao M, Chu S, Zheng M, et al. 1999. Characterization of the combustion products of polyethylene. Chemosphere 39:1497-1512.

Pichler M, Guggenberger G, Hartmann R, et al. 1996. Polycyclic aromatic hydrocarbons (PAH) in different forest humus types. Environ Sci Pollut Res 3:24-31.

Pinal R, Suresh P, Rao C, et al. 1990. Cosolvency of partially miscible organic solvents on the solubility of hydrophobic organic chemicals. Environ Sci Technol 24:639-647.

Pino MV, Valerio MG, Miller GK, et al. 1999. Toxicological and carcinogenic effects of the Type IV phosphodiesterase inhibitor RP 73401 on the nasal olfactory tissue in rats. Toxicol Pathol 27:383-394.

Pirie A, Van Heyningen R. 1966. Biochemistry of the eye. Springfield, IL: Charles C. Thomas, 127-131.

Plant AL, Pownall HJ, Smith LC. 1983. Transfer of polycyclic aromatic hydrocarbons between model membranes: relation to carcinogenicity. Chem Biol Interactions 44:237-246.

\*Plasterer MR, Bradshaw WS, Booth GM, et al. 1985. Developmental toxicity of nine selected compounds following prenatal exposure in the mouse: Naphthalene, *p*-nitrophenol, sodium selenite, dimethyl phthalate, ethylenethiourea and four glycol ether derivatives. Toxicol Environ Health 15:25-38.

Plopper CG, Chang AM, Pang A, et al. 1991. Use of microdissected airways to define metabolism and cytotoxicity in murine bronchiolar epithelium. Exp Lung Res 17:197-212.

\*Plopper CG, Macklin J, Nishio SJ, et al. 1992b. Relationship of cytochrome P-450 activity to cell cytotoxicity. III. Morphometric comparison of changes in the epithelial populations of terminal bronchioles and lobar bronchi in mice, hamsters, and rats after parenteral administration of naphthalene. Lab Invest 67(5):553-565.

\*Plopper CG, Suverkropp C, Morin D, et al. 1992a. Relationship of cytochrome P-450 activity to cell cytotoxicity. I. Histopathologic comparison of the respiratory tract of mice, rats and hamsters after parenteral administration of naphthalene. J Pharmacol Exp Ther 261(1):353-363.

Plopper CG, Van Winkle LS, Fanucchi MV, et al. 2001. Early events in naphthalene-induced acute cell toxicity. II. Comparison of gluthione depletion and histopathology by airway location. Am J Respir Cell Mol Biol 24(3):272-281.

Poitrast BJ, Keller WC, Elves RG. 1988. Estimation of chemical hazards in breast milk. Aviat Space Environ Med 11:87-92.

Prest HF, Jacobson LA. 1997. Passive water sampling for polynuclear aromatic hydrocarbons using lipid-containing semipermeable membrane devices (SPMDs): Application to contaminant residence times. Chemosphere 35:3047-3063.

Preuss R, Angerer J, Drexler H. 2003. Naphthalene – an environmental and occupational toxicant. Int Arch Occup Environ Health 76(8):556-576.

\*PRI. 1985a. Primary dermal irritation study in rabbits (83/EPA): Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 420-TX-013-84.

\*PRI. 1985b. Rabbit eye irritation study (WASH): Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 421 TX-009-84.

\*PRI. 1985c. Delayed contact hypersensitivity in guinea pigs: Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 424-TX-001 84.

\*PRI. 1985d. Micronucleus test (MNT) (OECD): Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 309A-TX-007-85.

\*PRI. 1985e. Rat hepatocyte primary culture/DNA repair test. Waverly, PA: Pharmakon Research International, Inc. PH 311 TX-008-85.

PRI. 1985f. Acute exposure dermal toxicity (82 EPA/OECD): Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 422-TX-002-84.

PRI. 1985g. Acute exposure oral toxicity (83 EPA/OECD): Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 402-TX-002-84.

PRI. 1985h. Ames *Salmonella*/microsome plate test (EPA/OECD): Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 301-TX-020-85.

\*PRI. 1985i. Dose-range-finding-developmental toxicity in rabbits: Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 329DR-TX-001-85.

PRI. 1985j. Repeated dose dermal toxicity - rat: 28 Day dose range finding study: Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 434-TX-001-85.

\*PRI. 1986. Developmental toxicity study in rabbits: Naphthalene. Waverly, PA: Pharmakon Research International, Inc. PH 329-TX-001 85.

\*Probst GS, McMahon RE, Hill LE, et al. 1981. Chemically induced unscheduled DNA synthesis in primary rat hepatocyte cultures: A comparison with bacterial mutagenicity tests using 218 compounds. Environ Mutagen 3:11-32.

\*Propper R. 1988. Polycyclic aromatic hydrocarbons (PAH). A candidate toxic air contaminant. Air Resources Board. Springfield, VA: National Technical Information Service. TR SS-88-01.

\*Purchase IFH, Longstaf E, Ashby J, et al. 1978. An evaluation of 6 short-term tests for detecting organic chemical carcinogens. Br J Cancer 37:873-959.

Pyy L, Makela M, Hakala E, et al. 1997. Ambient and biological monitoring of exposure to polycyclic aromatic hydrocarbons at a cooking plant. Sci Total Environ 199:151-158.

\*Quick DJ, Shuler ML. 1999. Use of *in vitro* data for construction of a physiologically based pharmacokinetic model for naphthalene in rats and mice to probe species differences. Biotechnol Prog 15:540-555.

\*Rao GS, Pandya KP. 1981. Biochemical changes induced by naphthalene after oral administration in albino rats. Toxicol Lett 8:311-315.

Rao VR, Mitz SV, Hadden CT. 1996. Distribution of contaminants in aquatic organisms from East Fork Poplar Creek. Ecotoxicol Environ Saf 33:44-54.

\*Rasmussen RE, Do DH, Kim TS, et al. 1986. Comparative cytotoxicity of naphthalene and its monomethyl- and mononitro-derivatives in the mouse lung. J Appl Toxicol 6:13-20.

Rathbun WB, Holleschau AM, Cohen JF, et al. 1996. Prevention of acetaminophen- and naphthalene-induced cataract and glutathione loss by CySSME. Invest Ophthalmol Vis Sci 37(5):923-929

\*Rathbun WB, Holleschau AM, Murray DL, et al. 1990. Glutathione synthesis and glutathione redox pathways in naphthalene cataract of the rat. Curr Eye Res 9:45-53.

Rawlings GD, DeAngelis DG. 1979. Toxicity removal in textile plant waste waters. Journal American Leather Chemistry Association 74:404-417.

Redmond MS, Crocker PA, McKenna KM, et al. 1996. Sediment toxicity testing with the amphipod ampelisca abdita in Calcasieu Estuary, Louisiana. Arch Environ Contam Toxicol 30:53-61.

Reemtsma T, Savric I, Martig C, et al. 1996. LAS, PCB and PAH as indicators for accumulation, biodegradation, and transport processes of wastewater constituents in sewage farm soils. Prepr Pap Natl Meet Am Chem Soc Div Environ Chem 36(2):186-188.

\*Rees JR, Pirie A. 1967. Possible reactions of 1,2-naphthaquinone in the eye. Biochem J 102:853-863.

Reeves WR, Bahoumi R, Burghardt RC, et al. 2001. Evaluation of methods for predicting the toxicity of polycyclic aromatic hydrocarbon mixtures. Environ Sci Technol 35:1630-1636.

Reid WD, Ilett KF, Glick JM, et al. 1973. Metabolism and binding of aromatic hydrocarbons in the lung. Am Rev Respir Dis 107:539-551.

\*Rhim JS, Park DK, Weisburger EK, et al. 1974. Evaluation of an *in vitro* assay system for carcinogens based on prior infection of rodent cells with nontransforming RNA tumor virus. J Natl Cancer Inst 52:1167-1173.

\*Richardson SD, Thruston AD Jr, Collette TW, et al. 1994. Multispectral identification of chlorine dioxide disinfection byproducts in drinking water. Environ Sci Technol 28:592-599.

Richieri PR, Buckpitt AR. 1987. Efflux of naphthalene oxide and reactive naphthalene metabolites from isolated hepatocytes. J Pharmacol Exp Ther 242:485-492.

Richieri PR, Buckpitt AR. 1988. Glutathione depletion by naphthalene in isolated hepatocytes and by naphthalene oxide *in vivo*. Biochem Pharmacol 37:2473-2478.

Ringelberg DB, Talley JW, Perkins EJ, et al. 1994. Succession of phenotypic, genotypic, and metabolic community characteristics during *in vitro* bioslurry treatment of polycyclic aromatic hydrocarbon-contaminated sediments. Appl Environ Microbiol 67:542-550.

Rio J, Manning T. 1988. An investigation of the toxic effects of combustion products-analysis of smoke components. J Anal Toxicol 12:274-278.

\*Rittman BE, McCarty PL, Roberts PV. 1980. Trace-organics biodegradation in aquifer recharge. Ground Water 18:236-243.

Riviere JE, Brooks JD, Monteiro-Riviere NA, et al. 1999. Dermal absorption and distribution of topically dosed jet fuels jet-A, JP-8, and JP-8(100) Toxicol Appl Pharmacol 160:60-75.

\*Roberts PV, McCarty PL, Reinhard M, et al. 1980. Organic contaminant behavior during groundwater recharge. J Water Pollut Control Fed 52:161-172.

Robinson AG, Dillaman RM. 1985. The effects of naphthalene on the ultrastructure of the hepatopancreas of the fiddler crab, *Uca minax*. J Invertebr Pathol 45:311-323.

Rogers JV, Siegel GL, Pollard DL, et al. 2004a. Cytotoxicity of the JP-8 jet fuel components m-xylene, 1-methylnaphthalene, and n-nonane in keratinocytes. Toxicologist 72(S-1):383

Rogers JV, Siegel GL, Pollard DL, et al. 2004b. The cytotoxicity of volatile JP-8 jet fuel components in keratinocytes. Toxicology 197(2):113-121.

Roony SA, Young SL, Mendelson CR. 1994. Molecular and cellular processing of lung surfactant. FASEB J 8:957-967.

Roper JM, Cherry DS, Simmers JW, et al. 1997. Bioaccumulation of PAHs in the zebra mussel at Times Beach, Buffalo, New York. Environ Monit Assess 46:267-277.

\*Rosenfeld JK, Plumb RH. 1991. Ground water contamination at wood treatment facilities. Ground Water Monitoring Review II:133-140.

\*Rossa V, Pau H. 1988. Is the experimental naphthalene cataract a model for human senile cataract? Graefes Arch Clin Exp Ophthalmol 226:291-293.

\*Rozman K, Summer KH, Rozman T, et al. 1982. Elimination of thioethers following administration of naphthalene and diethylmaleate to the Rhesus monkey. Drug Chem Toxicol 5:265-275.

\*RTC. 1999. Naphthalene unscheduled DNA synthesis (UDS) after *in vivo* treatment. Monitored by Rutgers VFT AG; Sponsored by International Tar Assoc. Research Toxicology Center, Rome.

Rubin ES. 1999. Toxic releases from power plants. Environ Sci Technol 33:3062-3067.

\*Rundell JO, Guntakatta M, Matthews EJ. 1983. Criterion development for the application of BALB/c-3T3 cells to routine testing for chemical carcinogenic potential. Environ Sci Res 27:309-324.

Russell P, Yamada T, Xu GT, et al. 1991. Effects of naphthalene metabolites on cultured cells from eye lens. Free Radic Biol Med 10:255-261.

\*Ruth JH. 1986. Odor thresholds and irritation levels of several chemical substances: A review. Am Ind Hyg Assoc J 47:142-151.

Ruzo L, Jones D, Safe S, et al. 1976. Metabolism of chlorinated naphthalenes. J Agric Food Chem 24:581-583.

Sabljic A, Guesten H, Schoenherr J, et al. 1990. Modeling plant uptake of airborne organic chemicals.

1. Plant cuticle/water partitioning and molecular connectivity. Environ Sci Technol 24:1321-1326.

Saeed T, Al-Yakoob S, Al-Hashash H, et al. 1995. Preliminary exposure assessment for Kuwaiti consumers to polycyclic aromatic hydrocarbons in seafood. Environ Int 21:255-263.

\*Sakai M, Yoshida D, Mizusaki S. 1985. Mutagenicity of polycyclic aromatic hydrocarbons and quinones on *Salmonella typhimurium* TA97. Mutat Res 156:61-67.

Salmony D. 1960. Some biochemical changes in naphthalene cataract. Br J Ophthalmol 44:29-34.

Sanders G, Hamilton-Taylor J, Jones KC. 1996. PCB and PAH dynamics in a small rural lake. Environ Sci Technol 30:2958-2966.

Sanderson EG, Farant J-P. 2000. Use of benzo[a]pyrene relative abundance ratios to assess exposure to polycyclic aromatic hydrocarbons in the ambient atmosphere in TCH vicinity of a Soderberg aluminum smelter. J Air Waste Manage Assoc 50:2085-2092.

Sandmeyer EE. 1981. Aromatic hydrocarbons. In: Clayton GD, Clayton FE, eds. Patty's industrial hygiene and toxicology. 3rd ed. Vol. 2B: Toxicology. New York, NY: John Wiley and Sons, 3256-3258, 3333-3343.

Sanger DM, Holland AF, Scott GI. 1999. Tidal creek and salt marsh sediments in South Carolina coastal estuaries: II Distribution of organic contaminants. Arch Environ Contam Toxicol 37:458-471.

\*Santhanakrishnan BR, Ranganathan G, Balagopala Raju V. 1973. Naphthalene induced haemolytic anaemia with haemoglobinuria. Indian J Pediatr 40:195-197.

Santiago S, Thomas RL, Larbaigt G, et al. 1993. Comparative ecotoxicity of suspended sediment in the lower Rhone River using algal fractionation, microtox and *Daphnia magna* bioassays. Hydrobiologia 252:231-244.

\*Santucci K, Shah M. 2000. Association of naphthalene with acute hemolytic anemia. Acad Emerg Med 7(1):42-47.

\*Sasaki JC, Arey J, Eastmond DA, et al. 1997. Genotoxicity induced in human lymphoblasts by atmospheric reaction products of naphthalene and phenanthrene. Mutat Res 393(1-2):23-35.

\*Sax NI, Lewis RJ Sr. 1987. Hawley's condensed chemical dictionary. New York, NY: Van Nostrand Reinhold Company, 775, 806.

\*Sax NI, Lewis RJ. 1989. Dangerous properties of industrial materials. 7th ed. New York, NY: Van Nostrand Reinhold Company, 2341-2342, 2451-2452.

Sayles GD, Acheson CM, Kupferle MJ, et al. 1999. Land treatment of PAH-contaminated soil: Performance measured by chemical and toxicity assays. Environ Sci Technol 33:4310-4317.

\*Schafer WB. 1951. Acute hemolytic anemia related to naphthalene: Report of a case in a newborn infant. Pediatrics 7:172-174.

\*Schauer JJ, Kleeman MJ, Cass GR, et al. 1999a. Measurement of emissions from air pollution sources. 1. C<sub>1</sub> through C<sub>29</sub> organic compounds from meat charbroiling. Environ Sci Technol 33(10):1566-1577.

Schauer J, Kleeman MJ, Cass GR, et al. 1999b. Measurement of emissions from air pollution sources 2.  $C_1$  through  $C_{29}$  organic compounds from medium duty diesel trucks. Environ Sci Technol 33:1578-1587.

\*Schauer JJ, Kleeman MJ, Cass GR, et al. 2001. Measurement of emissions from air pollution sources. 3. C<sub>1</sub>-C<sub>29</sub> organic compounds from fireplace combustion of wood. Environ Sci Technol 35:1716-1728.

Schlotzhauer WS, Chortyk OT. 1987. Recent advances in studies on the pyrosynthesis of cigarette smoke constituents. J Anal Appl Pyrolysis 12:193-222.

\*Schmahl D. 1955. [The testing of naphthalene and anthracene for a carcinogenic effect on rats.] Z Krebsforsch 60:697-710. (German)

\*Schmeltz I, Tosk J, Hilfrich J, et al. 1978. Bioassays of naphthalene and alkylnaphthalenes for cocarcinogenic activity. Relation to tobacco carcinogenesis. Carcinogenesis 3:47-60.

\*Schmeltz I, Tosk J, Hoffman D. 1976. Formation and determination of naphthalene in cigarette smoke. Anal Chem 48:645-650.

Schnelle J, Jansch T, Wolf K, et al. 1995. Particle size dependent concentrations of polycyclic aromatic hydrocarbons (PAH) in the outdoor air. Chemosphere 31:3119-3127.

\*Schreiner CA. 2003. Genetic toxicity of naphthalene: A review. J Toxicol Environ Health Part B Crit Rev 6:161-183.

Schultz TW, Moulton MP. 1985. Structure-toxicity relationships of selected naphthalene derivatives. II. Principal components analysis. Bull Environ Contam Toxicol 34:1-9.

Schutz LF, Young TM, Higashi RM. 1999. Sorption-desorption behavior of phenanthrene elucidated by pyrolysis-gas chromatography-mass spectrometry studies of soil organic matter. Environ Toxicol Chem 18:1710-1719.

Schwarz FP, Wasik SP. 1976. Fluorescence measurements of benzene, naphthalene, anthracene, pyrene, fluoranthene, and benzo[e]pyrene in water. Anal Chem 48:524-528.

Schwarz LR, Mezger M, Hesse S. 1980. Effect of decreased glucuronidation and sulfation on covalent binding of naphthalene in isolated rat hepatocytes. Toxicology 17:119-122.

\*Schwarzenbach RP, Westall, J. 1981. Transport of nonpolar organic compounds from surface water to groundwater. Laboratory sorption studies. Environ Sci Technol 15(11):1360-1367.

\*Schwarzenbach RP, Giger W, Hoehn E, et al. 1983. Behavior of organic compounds during infiltration of river water to groundwater. Environ Sci Technol 17:472-479.

Sears GW, Hopke ER. 1949. Vapor pressures of naphthalene, anthracene and hexachlorobenzene in a low pressure region. J Am Chem Soc 71:1632-1634.

\*Seitz LM, Ram MS, Rengarajan R. 1999. Volatiles obtained from whole and ground grain samples by supercritical carbon dioxide and direct helium purge methods: Observations on 2,3-butanediols and halogenated anisoles. J Agric Food Chem 1999:1051-1061.

\*Seixas GM, Andon BM, Hollingshead PG, et al. 1982. The aza-arenes as mutagens for *Salmonella typhimurium*. Mutat Res 102:201-212.

Selzer M, Wegener A, Hockwin O. 1991. Regional enzyme profiles in rabbit lenses with early stages of naphthalene cataract. Lens and Eye Toxicity Research 8:415-430.

\*Setchell BP, Waites GMH. 1975. The blood-testis barrier. In: Creep RO, Astwood EB, Geiger SR, eds. Handbook of physiology: Endocrinology V. Washington, DC: American Physiological Society.

\*Shane BS, Henry CB, Hotchkiss JH, et al. 1990. Organic toxicants and mutagens in ashes from eighteen municipal refuse incinerators. Arch Environ Toxicol 19:665-673.

Shank RC, Barrows LP, Buckpitt AR. 1980. Comparative metabolism of hydrazine and naphthalene. Wright-Patterson Air Force Base, OH: Air Force Systems Command, Aerospace Medical Division, Aerospace Medical Research Laboratory. AMRL-TR-80-103.

\*Shannon K, Buchanan GR. 1982. Severe hemolytic anemia in black children with glucose-6-phosphate dehydrogenase deficiency. Pediatrics 70:364-369.

\*Shauer JJ, Kleeman MJ, Cass GR, et al. 2002. Measurement of emissions from air pollution sources. 5. C<sub>1</sub>-C<sub>32</sub> organic compounds from gasoline-powered motor vehicles. Environ Sci Technol 36(6):1169-1180.

Shepard TH. 1986. Catalog of teratogenic agents. 5th ed. Johns Hopkins University Press.

\*Shichi H, Tanaka M, Jensen NM, et al. 1980. Genetic differences in cataract and other ocular abnormalities induced by paracetamol and naphthalene. Pharmacology 20:229-241.

\*Shopp GM, White KL JR, Holsapple MP, et al. 1984. Naphthalene toxicity in CD-1 mice: General toxicology and immunotoxicology. Fundam Appl Toxicol 4:406-419.

\*Shultz MA, Choudary PV, Buckpitt A. 1999. Role of murine cytochrome P-450 2F2 in metabolic activation of naphthalene and metabolism of other xenobiotics. J Pharmacol Exp Ther 290(1):281-288.

Shultz MA, Morin D, Chang AM, et al. 2001. Metabolic capabilities of CYP2F2 with various pulmonary toxicants and its relative abundance in mouse lung subcompartments. J Pharmacol Exp Ther 286(2):510-519.

\*Siegel E, Wason S. 1986. Mothball toxicity. Pediatr Clin North Am 33:369-374.

Simcik MF, Eisenreich SJ, Golden KA, et al. 1996. Atmospheric loading of polycyclic aromatic hydrocarbons to Lake Michigan as recorded in the sediments. Environ Sci Technol 30:3039-3046.

Simpson CD, Harrington CF, Cullen WR, et al. 1998. Polycyclic aromatic hydrocarbon contamination in marine sediments near Kitimat, British Columbia. Environ Sci Technol 32:3266-3272.

\*Sina JF, Bean CL, Dysart GR, et al. 1983. Evaluation of the alkaline elution/rat hepatocyte assay as a predictor of carcinogenic/mutagenic potential. Mutat Res 113:357-391.

Sittig M. 1985. Handbook of toxic and hazardous chemicals and carcinogens. 2nd ed. Park Ridge, NJ: Noyes Publications, 630-632.

Smart G, Buckpitt AR. 1983. Formation of reactive naphthalene metabolites by target vs non-target tissue microsomes: Methods for the separation of three glutathione adducts. Biochem Pharmacol 32:943-946.

Smith JA, Sievers M, Huang S, et al. 2000. Occurrence and phase distribution of polycyclic aromatic hydrocarbons in urban storm-water runoff. Water Sci Technol 42:383-388.

Smith RM. 1988. Supercritical fluid chromatography. Letchworth, England: Royal Society of Chemistry.

Sollmann T. 1957. A manual of pharmacology and its applications to therapeutics and toxicology. 8th ed. Philadelphia, PA: W.B. Saunders Company, 821.

\*Sorg RM, Naismith RW, Matthews RJ. 1985. Micronucleus test (MNT) OECD (unpublished material). Submitted to USEPA under section 8D of TSCA. OTS0513639.

Soucek P. 2000. Expression of cytochrome P450 2A6 in *Escherichia coli*. Toxicol Lett 116(Suppl.1):24-25.

\*Southworth GR, Beauchamp JJ, Schmieder PK. 1978. Bioaccumulation potential of polycyclic aromatic hydrocarbons in *Daphnia pulex*. Water Res 12:973-977.

Spicer CW, Miller DF, Levy A. 1974. Inhibition of photochemical smog reactions by free radical scavengers. Environ Sci Technol 8:1028-1030.

\*Squillace PJ, Moran MJ, Lapham WW, et al. 1999. Volatile organic compounds in untreated ambient groundwater of the United States. Environ Sci Technol 33:4176-4187.

SRI. 1985. Directory of chemical producers: United States of America. Menlo Park, CA: Stanford Research Institute, 537, 633, 720, 728.

SRI. 1986. Directory of chemical producers: United States of America. Menlo Park, CA: Stanford Research Institute, 605, 713, 812, 821.

SRI. 1987. Directory of chemical producers: United States of America. Menlo Park, CA: Stanford Research Institute, 589, 697, 799, 808.

SRI. 1988. Directory of chemical producers: United States of America. Menlo Park, CA: Stanford Research Institute, 578, 684, 784, 793.

SRI. 1990. Directory of chemical producers: United States of America. Menlo Park, CA: Stanford Research Institute, 580, 694, 795, 805.

\*SRI. 1992. Directory of chemical producers: United States of America. Menlo Park, CA: Stanford Research Institute, 580, 695, 792, 801.

\*SRI. 2002. Directory of chemical producers: United States of America. Menlo Park, CA: Stanford Research Institute.

\*SRI. 2003. Directory of chemical producers: United States of America. Menlo Park, CA: Stanford Research Institute.

SRI. 2004. 2004 Directory of Chemical Producers. Menlo Park, CA: SRI Consulting, 3, 160, 161, 226, 733, 741.

\*Srivastava SK, Nath R. 1969. Metabolic alterations in experimental cataract. Part I. Inhibition of lactate dehydrogenase and appearance of o-diphenol oxidase in cataractous lens of naphthalene fed rabbits. Indian J Med Res 57:225-227.

\*Staples CA, Werner AF, Hoogheem TJ. 1985. Assessment of priority pollutant concentrations in the United States using STORET database. Environ Toxicol Chem 4:131-142.

Stefaniak AB, Breysse PN, Murray MPM, et al. 2000. An evaluation of employee exposure to volatile organic compounds in three photocopy centers. Environ Res 83:162-173.

Steiber RS. 1993. Organic combustion fingerprints of three common home heating fuels. J Air Waste Manage Assoc 43:859-863.

Stevens TP, McBride JT, Peake JL, et al. 1997. Cell proliferation contributes to PNEC hyperplasia after acute airway injury. Am J Physiol Lung Cell Mol Physiol 272(16):L486-L493.

Stillwell WG, Bouwsma OJ, Thenot JP, et al. 1978. Methylthio metabolites of naphthalene excreted by the rat. Res Commun Chem Pathol Pharmacol 20:509-530.

\*Stillwell WG, Horning MG, Griffin GW, et al. 1982. Identification of new sulfur-containing metabolites of naphthalene in mouse urine. Drug Metab Dispos 10:624-631.

Stohs SJ, Ohia S, Bagchi D. 2002. Naphthalene toxicity and antioxidant nutrients. Toxicology 180:97-105.

Stout SA, Uhler AD, Emsbo-Mattingly SD. 2003. Characterization of PAH sources in sediments of the Thea Foss/Wheeler Osgood Waterways, Tacoma, Washington. Soil Sediment Contam 12(6):815-834.

Stripp BR, Maxson K, Mera R, et al. 1995. Plasticity of airway cell proliferation and gene expression after acute naphthalene injury. Am J Physiol 269(6):L791-799.

\*Stutz DR, Janusz SJ. 1988. Hazardous materials injuries: A handbook for pre-hospital care. 2nd ed. Beltsville, MD: Bradford Communications Corporation.

\*Sugiyama K, Wang T-CL, Simpson JT, et al. 1999. Aldose reductase catalyzes the oxidation of naphthalene-1,2-dihydrodiol for the formation of orth-naphthoquinone. Drug Metab Dispos 27(1):60-67.

\*Summer KH, Rozman K, Coulston F, et al. 1979. Urinary excretion of mercapturic acids in chimpanzees and rats. Toxicol Appl Pharmacol 50:207-212.

Suter MJF, Riediker S, Giger W. 1999. Selective determination of aromatic sulfonates in landfill leachates and groundwater using microbore liquid chromatography coupled with mass spectrometry. Anal Chem 71:897-904.

\*Swartz E, Stockburger L, Vallero DA. 2003. Polycyclic aromatic hydrocarbons and other semivolatile organic compounds collected in New York City in response to the events of 9/11. Environ Sci Technol 37:3537-3546.

\*Sweeney LM, Shuler ML, Quick DJ, et al. 1996. A preliminary physiologically based pharmacokinetic model for naphthalene and naphthalene oxide in mice and rats. Ann Biomed Eng 24:305-329.

\*Tabak HH, Quave SA, Mashni CI, et al. 1981. Biodegradability studies with organic priority pollutant compounds. J Water Pollut Control Fed 53(10):1503-1518.

Taki T, Nakazima T, Emi Y, et al. 1986. Accumulation of surfactant phospholipids in lipid pneumonia induced with methylnaphthalene. Lipids 21(9):548-552.

Tancrede M, Wilson R, Zeise L, et al. 1987. The carcinogenic risk of some organic vapors indoors: A theoretical survey. Atmos Environ 21:2187-2205.

\*Tao RV, Holleschau AM, Rathbun WB. 1991. Naphthalene-induced cataract in the rat. Ophthalmic Res 23:272-283.

\*Tarshis IB. 1981. Uptake and depuration of petroleum hydrocarbons by crayfish. Arch Environ Contam Toxicol 10:79-86.

Tenhulscher TEM, Vrind BA, Vandenheuvel H, et al. 1999. Triphasic desorption of highly resistant chlorobenzenes, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons in field contaminated sediment. Environ Sci Technol 33:126-132.

Teschke K, Hertzman C, Van Netten C, et al. 1989. Potential exposure of cooks to airborne mutagens and carcinogens. Environ Res 50:296-308.

\*Teshima R, Nagamatsu K, Ikebuchi H, et al. 1983. *In vivo* and *in vitro* metabolism of 2-methylnaphthalene in the guinea pig. Drug Metab Dispos 11(2):152-157.

Thibodeaux LJ. 1979. Chemodynamics: Environmental movement of chemicals in air, water and soil. New York, NY: John Wiley and Sons, 456-457.

Thienes CH, Haley TJ. 1964. Acacia, halogenated hydrocarbons, milk sickness, phosphorus and miscellaneous liver poisons. In: Clinical toxicology, 4th ed. Philadelphia, PA: Lea & Febiger.

Thijsse TR, Vanoss RF, Lenschow P. 1999. Determination of source contributions to ambient volatile organic compound concentrations in Berlin. J Air Waste Manage Assoc 49:1394-1404.

\*Thomann RV. 1989. Bioaccumulation model of organic chemical distribution in aquatic food chains. Environ Sci Technol 23:699-707.

\*Thomann RV, Mueller JA. 1987. Principles of surface water quality modeling and control. New York, NY: Harper and Row, Publishers, 508-509.

\*Thomas JM, Yordy JR, Amador JA, et al. 1986. Rates of dissolution and biodegradation of water-insoluble organic compounds. Appl Environ Microbiol 52(2):290-296.

Thomas RG. 1982. Volatilization from water. In: Lyman WJ, Reehl WJ, Rosenblatt DH, eds. Handbook of chemical property estimation methods. New York, NY: McGraw-Hill, 15-1-15-34.

\*Thornton-Manning JR, Dahl AR. 1997. Metabolic capacity of nasal tissue interspecies comparisons of xenobiotic-metabolizing enzymes. Mutat Res 380:43-59.

Till M, Riebniger D, Schmitz H-J, et al. 1999. Potency of various polycyclic aromatic hydrocarbons as inducers of CYP1A1 in rat hepatocyte cultures. Chem Biol Interact 117:135-150.

\*Tingle MD, Pirmohamed M, Templeton E, et al. 1993. An investigation of the formation of cytotoxic, genotoxic, protein-reactive and stable metabolites from naphthalene by human liver microsomes. Biochem Pharmacol 46:1529-1538.

\*Tonelli QJ, Custer RP, Sorof S. 1979. Transformation of cultured mouse mammary glands by aromatic amines and amides and their derivatives. Cancer Res 39:1784-1792.

\*Tong SS, Hirokata Y, Trush MA, et al. 1981. Clara cell damage and inhibition of pulmonary mixed-function oxidase activity by naphthalene. Biochem Biophys Res Commun 100:944-950.

\*Tong SS, Lowe MC, Trush MA, et al. 1982. Bronchiolar epithelial damage and impairment of pulmonary microsomal monooxygenase activity in mice by naphthalene. Exp Mol Pathol 37:358-369.

TPCDB. 1988. Testing Priority Committee Data Base. U.S. Environmental Protection Agency, Office of Toxic Substances, Washington, DC.

\*Traynor GW, Apte MG, Sokol HA. 1990. Selected organic pollutant emissions from unvented kerosene space heaters. Environ Sci Technol 24:1265-1270.

\*Trevisan A, Rossi di Schio M, Pieno M, et al. 2001. Haemolytic anaemia after oral self-giving of naphthalene-containing oil. J Appl Toxicol 21:393-395.

\*TRI02. 2004. TRI explorer: Providing access to EPA's toxics release inventory data. Washington, DC: Office of Information Analysis and Access. Offices of Environmental Information. U.S. Environmental Protection Agency. Toxic Release Inventory. http://www.epa.gov/triexplorer/ December 15, 2004.

\*Troester MA, Lindstrom AB, Waidyanatha S, et al. 2002. Stability of hemoglobin and albumin adducts of naphthalene oxide, 1,2-naphthoquinone, and 1,4-naphthoquinone. Toxicol Sci 68:314-321.

Trust Hammer B, Kelley CA, Coffin RB, et al. 1998. Delta-13c values of polycyclic aromatic hydrocarbons collected from two creosote-contaminated sites. Chem Geol 152:43-58.

\*Tsuda H, Lee G, Farber E. 1980. Induction of resistant hepatocytes as a new principle for a possible short-term *in vivo* test for carcinogens. Cancer Res 40:1157-1164.

Tsuruda LS, Lame MW, Jones AD, et al. 1995. Metabolism of (<sup>14</sup>C) naphthalene in the B6C3F1 murine isolated perfused liver. Drug Metab Dispos 23(1):129-136.

\*Turkall RM, Skowronski GA, Kadry AM, et al. 1994. A comparative study of the kinetics and bioavailability of pure and soil-adsorbed naphthalene in dermally exposed male rats. Arch Environ Contam Toxicol 26:504-509.

\*Turney GL, Goerlitz DF. 1990. Organic contamination of ground water at Gas Works Park, Seattle, Washington. Ground Water Monit Rev 10(3):187-198.

\*USAF. 1984. Comparative biochemistry and metabolism: Part 2. Naphthalene lung toxicity. Wright-Patterson Air Force Base, OH: Air Force Systems Command, Aerospace Medical Division, Air Force Aerospace Medical Research Laboratory. United States Air force. AFAMRL-TR-84-058.

USAF. 1985. Comparative biochemistry and metabolism. Part 2. Naphthalene lung toxicity. Wright-Patterson Air Force Base, OH: U.S. Air Force. Air Force Systems Command, Aerospace Medical Division, Aerospace Medical Research Laboratory. AMRL-TR-85-069.

\*USC. 2003. Hazardous air pollutants. Washington, DC: United States Code. 42 USC 7412. http://www4.law.cornell.edu/uscode/. June 6, 2003.

USDA. 1978. Food consumption, prices and expenditures. Washington, DC: U.S. Department of Agriculture. Agriculture Economic Report No. 138.

USITC. 1988. Synthetic organic chemicals: United States production and sales, 1987. Washington, DC: United States International Trade Commission. USITC Publication 2118.

USITC. 1991. United States International Trade Commission. Synthetic organic chemicals, United States production and sales, 1990. Washington, DC. December 1991. USITC Publication No. 2470.

\*USITC. 2003. Synthetic organic chemicals. United States production and sales. Washington, DC: U.S. International Trade Commission. http://www.ita.doc.gov/td/industry/otea/Trade-Detail/Latest-December/Exports/27/270740.html. June 6, 2003.

\*Uyama Y, Ogino S, Ichihara T. 1955. Biochemical study on the genesis of naphthalene cataract: I. The cataractogenic substance excreted in the urine of rabbit treated with naphthalene. Med J Osaka Univ 6:229-239.

\*Valaes T, Doxiadis SA, Fessas P. 1963. Acute hemolysis due to naphthalene inhalation. J Pediatr 63:904-915.

Van Bladeren PJ, Vyas KP, Sayer JM, et al. 1984. Stereoselectivity of cytochrome P-450C in the formation of naphthalene- and anthracene-1,2-oxides. J Biol Chem 259:8966-8973.

Van Den Akker E, Lutgerink JT, Lafleur MVM, et al. 1994. The formation of one-G deletions as a consequence of singlet-oxygen-induced DNA damage. Mutat Res 309:45-52.

\*Van der Hoeve J. 1906. [Chorioretinitis in humans from the effects of naphthalene.] Arch Augenheilkd 56:259-262. (German)

Vanhattum B, Curtopons MD, Cidmontanes JF. 1998. Polycyclic aromatic hydrocarbons in freshwater isopods and field-partitioning between abiotic phases. Arch Environ Contam Toxicol 35:257-267.

\*Van Heyningen R. 1970. Ascorbic acid in the lens of the naphthalene-fed rabbit. Exp Eye Res 9:38-48.

\*Van Heyningen R. 1976. Experimental studies on cataract. Invest Ophthalmol Vis Sci 15:685-697.

\*Van Heyningen R. 1979. Naphthalene cataract in rats and rabbits: A resume. Exp Eye Res 28:435-439.

\*Van Heyningen R, Pirie A. 1967. The metabolism of naphthalene and its toxic effect on the eye. Biochem J 102:842-852.

\*Van Heyningen R, Pirie A. 1976. Naphthalene cataract in pigmented and albino rabbits. Exp Eye Res 22:393-394.

Van Winkle LS, Buckpitt AR, Nishio SJ, et al. 1995. Cellular response in naphthalene-induced cell injury and bronchiolar epithelial repair in mice. Am J Anat 269(6):L800-L818.

Van Winkle LS, Evans MJ, Brown CD, et al. 2001. Prior exposure to aged and diluted sidestream cigarette smoke impairs bronchiolar injury and repair. Toxicol Sci 60(1):152-164.

\*Van Winkle LS, Gunderson AD, Shimizu JA, et al. 2002. Gender differences in naphthalene metabolism and naphthalene-induced acute lung injury. Am J Physiol Lung Cell Mol Physiol 282(5):L1122-L1134.

\*Van Winkle LS, Isaac JM, Plopper CG. 1996. Repair of naphthalene-injured microdissected airways *in vitro*. Am J Respir Cell Mol Biol 15:1-8.

Van Winkle LS, Isaac JM, Plopper CG. 1997. Distribution of epidermal growth factor receptor and ligands during bronchiolar epithelial repair from naphthalene-induced cell injury in the mouse. Am J Pathol 151(2):443-459.

\*Van Winkle LS, Johnson A, Nishio SJ, et al. 1999. Early events in naphthalene-induced acute cell toxicity. Am J Respir Cell Mol Biol 21:44-53.

Vanwijnen JH, Slob R, Jongmans-Liedekerken G, et al. 1996. Exposure to polycyclic aromatic hydrocarbons among Dutch children. Environ Health Perspect 104:530-534.

Veigl ML, Niedel JE, Sedwick Wd. 1984. Induction of myeloid differentiation with naphthalene sulfonamide calmodulin antagonists [Abstract]. Proceedings of the American Association for Cancer Research 25:44.

\*Veith GD, DeFoe DL, Bergstedt BV et al. 1979. Measuring and estimating the bioconcentration factor of chemicals in fish. J Fish Res Board Can 36:1040-1048.

Verschoyle RD, Martin J, Dinsdale D. 1997. Selective inhibition and induction of CYP activity discriminates between the isoforms responsible for the activation of butylated hydroxytoluene and naphthalene in mouse lung. Xenobiotica 27(8):853-864.

\*Verschueren K. 1983. Handbook of environmental data on organic chemicals. 2nd ed. New York, NY: Van Nostrand Reinhold Company, 862-865, 890-899.

\*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.

Villanueva J, Rosell A, Grimalt JO, et al. 1991. Chemical characterization of polycyclic aromatic hydrocarbon mixtures in uncontrolled hazardous waste dumps. Chemosphere 22:317-326.

\*Waidyanatha S, Troester MA, Lindstrom AB, et al. 2002. Measurement of hemoglobin and albumin adducts of naphthalene-1,2-oxide, 1,2-naphthoquinone after administration of naphthalene to F344 rats. Chem Biol Interact 141(3):189-210.

Waidyanatha S, Zheng Y, Serder B, et al. 2004. Albumin addicts of naphthalene metabolites as biomarkers of exposure to polycyclic aromatic hydrocarbons. Cancer Epidemiol Biomarkers Prev 13(1):117-124.

\*Wakeham SG, Davis AC, Karas IL. 1983. Mesocosm experiments to determine the fate and persistence of volatile organic compounds in coastal seawater. Environ Sci Technol 17:611-617.

\*Walters SM. 1986. Cleanup of samples. In: Zweig G, Sherma J, eds. Analytical methods for pesticides and plant growth regulators. Vol. 15. Principles, statistics, and applications. New York, NY: Academic Press, Inc., 67-110.

\*Wang BM, Stern EJ, Schmidt RA, et al. 1997. Diagnostic pulmonary alveolar proteinosis. A review and an update. Chest 111:460-466.

Wang D, Piao M, Chu S, et al. 2001. Chlorinated polycyclic aromatic hydrocarbons from polyvinylchloride combustion. Bull Environ Contam Toxicol 66:326-333.

Wang H, Lanza DL, Yost GS. 1998. Cloning and expression of CYP2F3, a cytochrome P450 that bioactivates the selective pneumotoxins 3-methylindole and naphthalene. Arch Biochem Biophys 349(2):329-340.

Wang Y, Wang Z, Na M, et al. 2001. Monitoring priority pollutants in a sewage treatment process by dichloromethane extraction and triolein-semipermeable membrane device (SPMD) Chemosphere 43:339-346.

Wang Z, Fingas M, Shu YY, et al. 1999. Quantitative characterization of PAHs in burn residue and soot samples and differentiation of pyrogenic PAHs from petrogenic PAHs- The 1994 Mobile Burn Study. Environ Sci Technol 33:3100-3109.

\*Warren DL, Brown DL Jr, Buckpitt AR. 1982. Evidence for cytochrome P-450 mediated metabolism in the bronchiolar damage of naphthalene. Chem Biol Interact 40:287-303.

Warshawsky D. 2001. Polycyclic and heterocyclic aromatic hydrocarbons. In: Bingham E, Cohrssen B, Powell CH, eds. Patty's toxicology, 5<sup>th</sup> ed., Vol. 4. New York, NY: John Wiley & Sons, Inc.

\*Weast RC, Astle MJ, Beyer WH, eds. 1985. CRC handbook of chemistry and physics: A ready-reference book of chemical and physical data. Boca Raton, FL: CRC Press, Inc., C-357, C-361.

Webber MD, Pietz RI, Granato TC, et al. 1994. Organic chemicals in the environment: Plant uptake of PCBs and other organic contaminants from sludge-treated coal refuse. J Environ Qual 23:1019-1026.

Weis LM, Rummel AM, Masten SJ, et al. 1998. Bay or baylike regions of polycyclic aromatic hydrocarbons were potent inhibitors of gap junctional intercellular communication. Environ Health Perspect 106:17-22.

Weisburger JH, Mantel N, Weisburger EK, et al. 1967. New carcinogenic naphthalene and biphenyl derivatives. Nature 213:930-931.

\*Weissenfels WD, Klewer HJ, Langhoff J. 1992. Adsorption of polycyclic aromatic hydrocarbons (PAHs) by soil particles: influence on biodegradability and biotoxicity. Appl Microbiol Biotechnol 36:689-696.

\*Wells PG, Wilson B, Lubek BM. 1989. *In vivo* murine studies on the biochemical mechanism of naphthalene cataractogenesis. Toxicol Appl Pharmacol 99:466-473.

\*West JAA, Buckpitt AR, Plopper CG. 2000a. Elevated airway GSH resynthesis confers protection to cells from naphthalene injury in mice made tolerant by repeated exposures. J Pharmacol Exp Ther 294(2):516-523.

West JAA, Chichester CH, Buckpitt AR, et al. 2000b. Heterogeneity of cell glutathione: A possible basis for differences in cellular responses to pulmonary cytotoxicants. Am J Respir Cell Mol Biol 23:27-36.

West JAA, Williams KJ, Toskala E, et al. 2002. Induction of tolerance to naphthalene in cells is dependent on a stable phenotypic adaptation favoring maintenance of the glutathione pool. Am J Pathol 160(3):1115-1127.

\*West JAA, Pakehham G, Morin D, et al. 2001. Inhaled naphthalene causes dose dependent cell cytotoxicity in mice but not in rats. Toxicol Appl Pharmacol 173(2):114-119.

\*West JR, Smith HW, Chasis H. 1948. Glomerular filtration rate, effective renal blood flow, and maximal tubular excretory capacity in infancy. J Pediatr 32:10-18.

Westberg HB, Selden AL, Bellander T. 2001. Exposure to chemical agents in Swedish aluminum foundries and aluminum remelting plants- a comprehensive survey. Appl Occup Environ Hyg 16:66-77.

Westendorf RG. 1989. Automatic sampler concepts for purge and trap GC. Am Lab (February 1989):56-60.

\*White DH, Hardy JW. 1994. Ambient air concentrations of PCDDs, PCDFs, coplanar PCBs and PAHs at the Mississippi Sandhill Crane National Wildlife Refuge, Jackson County, Mississippi. Environ Monit Assess 33:247-256.

White JC, Triplett T. 2002. Polycyclic aromatic hydrocarbons (PAHs) in the sediments and fish of the Mill River, New Haven, Connecticut, USA. Bull Environ Contam Toxicol 68:104-110.

Widdows J, Moore SL, Clarke KR, et al. 1983. Uptake, tissue distribution and elimination of [1-<sup>14</sup>C]naphthalene in the mussel *Mytilus edulis*. Mar Biol (Berlin) 76:109-114.

\*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: Academic Press.

\*Wild SR, Waterhouse KS, McGrath SP, et al. 1990. Organic contaminants in an agricultural soil with a known history of sewage sludge amendments: Polynuclear aromatic hydrocarbons. Environ Sci Technol 24:1706-1711.

Wildlife International. 1985a. A dietary LC50 study in the bobwhite with naphthalene: Final report. Report to W.R. Landis Associates, Inc., Valdosta, GA, by Wildlife International Ltd., St. Michaels, MD. Project No. 190-105.

Wildlife International. 1985b. An acute oral toxicity study in the bobwhite with naphthalene: Final report. Report to W.R. Landis Associates, Inc., Valdosta, GA, by Wildlife International Ltd., St. Michaels, MD. Project No. 190-106.

\*Willems BAT, Melnick RL, Kohn MC, et al. 2001. A physiologically based pharmacokinetic model for inhalation and intravenous administration of naphthalene in rats and mice. Toxicol Appl Pharmacol 176(2):81-91.

Williams KJ, Cruikshank MK, Plopper CG. 2003. Pulmonary heat shock protein expression after exposure to a metabolically activated Clara cell toxicant: Relationship to protein adduct formation. Toxicol Appl Pharmacol 192(2):107-118.

\*Williamson DG, Loehr RC, Kimura Y. 1998. Release of chemicals from contaminated soils. J Soil Contam 7(5):543-558.

\*Wilson AS, Davis CD, Williams DP, et al. 1996. Characterisation of the toxic metabolite(s) of naphthalene. Toxicology 114:233-242.

\*Wilson AS, Tingle MD, Kelly MD, et al. 1995. Evaluation of the generation of genotoxic and cytotoxic metabolites of benzo[a]pyrene, aflatoxin B1, naphthalene and tamoxifen using human liver microsomes and human lymphocytes. Hum Exp Toxicol 14:507-515.

\*Wilson NK, Chuang JC, Lyu C. 1999. Multimedia concentrations of PAH in several day care centers. Polycyclic Aromat Compd 17:255-265.

\*Wilson NK, Kuhlman MR, Chuang JC. 1989. A quiet sampler for the collection of semivolatile organic pollutants in indoor air. Environ Sci Technol 23:1112-1116.

Windholz M, Budavari S, Blumetti RF, et al., eds. 1983. The Merck index: An encyclopedia of chemicals, drugs, and biologicals. 10th ed. Rahway, NJ: Merck and Company, 914.

\*Wolf O. 1976. Krebserkrankungen bei chemiearbeitern einer ehemaligen naphthalinreinigung. Dt Gesundh-Wesen 31:996-999.

\*Wolf O. 1978. Arbeitshygiene und arbeitsschutz. Z Ges Hyg 24:737-739

\*Woolf AD, Saperstien A, Zarwin J, et al. 1993. Radiopacity of household deodorizers, air fresheners, and moth repellents. J Toxicol Clin Toxicol 31:415-428.

\*Xu GT, Zigler JS, Lou MF. 1992a. Establishment of a naphthalene cataract model *in vitro*. Exp Eye Res 54:73-81.

\*Xu GT, Zigler JS, Lou MF. 1992b. The possible mechanism of naphthalene cataract in rat and its prevention by an aldose reductase inhibitor (AL01576). Exp Eye Res 54:63-72.

\*Yamauchi T, Komura S, Yagi K. 1986. Serum lipid peroxide levels of albino rats administered naphthalene. Biochem Int 13:1-6.

Yang M, Koga M, Katoh T, et al. 1999. A study for the proper application of urinary naphthols, new biomarkers for airborne polycyclic aromatic hydrocarbons. Arch Environ Contam Toxicol 36(1):99-108.

Yang Y, Sharma R, Cheng JZ, et al. 2002. Protection of HLE B-3 cells against hydrogen peroxide-and naphthalene-induced lipid perioxidation and apoptosis by transfection with hGSTA1 and hGSTA2. Invest Ophthalmol Vis Sci 43(2):434-445.

\*Yaws C, Yang HC, Pan X. 1991. Henry's law constants for 362 organic compounds in water. Chem Eng (November):179-185.

Yeom IT, Ghosh MM, Cox CD, et al. 1995. Micellar solubilization of polynuclear aromatic hydrocarbons in coal tar-contaminated soils. Environ Sci Technol 29:3015-3021.

Yost GS, Buckpitt AR, Roth RA, et al. 1989. Contemporary issues in toxicology. Mechanisms of lung injury by systemically administered chemicals. Toxicol Appl Pharmacol 101:179-195.

Young L. 1947. The metabolic conversion of naphthalene to 1,2-dihydronaphthalene-1,2-diol. Biochem J 41:417-422.

Yrjanheikki E, Pyye L, Hakala E, et al. 1995. Exposure to polycyclic aromatic hydrocarbons in new coking plant. Am Ind Hyg Assoc J 56:782-787.

Yu D, Berlin JA, Penning TM, et al. 2002. Reactive oxygen species generated by PAH o-quinones cause change-in-function mutations in p53. Chem Res Toxicol 15:832-842.

\*Yu X, Wang X, Bartha R, et al. 1990. Supercritical fluid extraction of coal tar contaminated soil. Environ Sci Technol 24:1732-1738.

Zelano V. 1998. Volatile organic compounds in drinking water. Ann Chim (Rome) 88:449-460.

\*Zepp RG, Schlotzhauer PF. 1979. Photoreactivity of selected aromatic hydrocarbons in water. In: Jones PW, Leber P, eds. Polynuclear aromatic hydrocarbons. Ann Arbor, MI: Ann Arbor Science, 141-157.

Zhang XJ. 1998. Emissions of volatile organic compounds from large-scale incinerator plants. J Environ Sci Health Part A 33:279-306.

\*Zhao W, Ramos JS. 1998. Cytotoxic response profiles of cultured rat hepatocytes to selected aromatic hydrocarbons. Toxicol In Vitro 12:175-182.

\*Zheng J, Cho M, Jones AD, et al. 1997. Evidence of quinone metabolites of naphthalene covalently bound to sulfur nucleophiles of proteins of Murine cells after exposure to naphthalene. Chem Res Toxicol 10(9):1008-1014.

\*Ziegler EE, Edwards BB, Jensen RL, et al. 1978. Absorption and retention of lead by infants. Pediatr Res 12:29-34.

\*Zielinska B, Fung KK. 1994. The composition and concentration of hydrocarbons in the range of C2 to C18 emitted from motor vehicles. Sci Total Environ 146/147:281-288.

\*Zielinska B, Fujita E, Sagebiel J, et al. 1998. Arizona hazardous air pollutants monitoring program. J Air Waste Manage Assoc 48:1038-1050.

\*Zielinska B, Sagebiel JC, Harshfield G, et al. 1996. Volatile organic compounds up to C20 emitted from motor vehicles: measurement methods. Atmos Environ 30:2269-2286.

\*Zinkham WH, Childs B. 1957. Effect of vitamin K and naphthalene metabolites on glutathione metabolism of erythrocytes from normal newborns and patients with naphthalene hemolytic anemia. Am J Dis Child 94(6):420-423.

\*Zinkham WH, Childs B. 1958. A defect of glutathione metabolism of erythrocytes from patients with naphthalene-induced hemolytic anemia. Pediatrics 22:461-471.

\*Zitko V, Stenson G, Hellou J. 1998. Levels of organochlorine and polycyclic aromatic compounds in harp seal beaters (*phoca groenlandica*). Sci Total Environ 221:11-29.

\*Zlatkis A, Kim K. 1976. Column elution and concentration of volatile compounds in biological fluids. J Chromatogr 126:475-485.

\*Zoeteman BC, Harmsen K, Linders JB, et al. 1980. Persistent organic pollutants in river water and ground water of the Netherlands. Chemosphere 9:231-249.

\*Zuelzer WW, Apt L. 1949. Acute hemolytic anemia due to naphthalene poisoning: A clinical and experimental study. J Am Med Assoc 141(3):185-190.