

8. REFERENCES

*Abemethy DJ, Couch DB. 1982. Cytotoxicity and mutagenicity of dinitrotoluenes in Chinese hamster ovary cells. *Mutat Res* 103:53-59.

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

*ACGIH. 1998. Threshold limit values and biological exposure indices. 6th edition. 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.

*Ahrenholz SH. 1980. Health hazard evaluation determination. Report no. HE 79-1 13-728. Olin Chemical Co., Brandenburg, KY. Hazard Evaluations and Technical Assistance Branch, NIOSH.

*Ahrenholz SH, Meyer CR. 1982. Health Hazard Evaluation Report, No. HETA-81-295-1155, Olin (formerly Allied) Chemical Co., Moundsville, WV. Cincinnati, OH: Hazard Evaluations and Technical Assistance Branch, NIOSH. 31 pp.

*Ahman PK, Dittmer DS. 1974. Biological handbooks: Biology data book. Volume III, 2nd ed. Bethesda, MD: Federation of American Societies for Experimental Biology, 1987-2008, 2041.

*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, NY: Marcel Dekker, Inc., 9-25.

*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.

Andersson K, Levin JO, Nilsson CA. 1983. Evaluation of solid sorbents for sampling aliphatic and aromatic nitro compounds in workroom air. *Chemosphere* 12:377-384.

*Andrews CC, Osmon JL. 1977. The effects of light on TNT and other explosives in aqueous solutions. Weapons Quality Engineering Center, Naval Weapons Support Center, Crane, Indiana. WQEC/C 77-32. NTIS AD-A0361 32.

Anonymous. 1992. Dinitrotoluene. Notice of intended change. *Appl Occup Environ Hyg* 7:62-67.

*Ashby J, Burlinson B, Lefevre PA, et al. 1985. Non-genotoxicity of 2,4,6-trinitrotoluene (TNT) to the mouse bone marrow and the rat liver: Implications for its carcinogenicity. *Arch Toxicol* 58:14-19.

*Cited in text

8. REFERENCES

- Ashby J, Tennant RW. 1988. Chemical structure, Salmonella mutagenicity and extent of carcinogenicity as indicators of genotoxic carcinogenesis among 222 chemicals tested in rodents by the U.S. NCI/NTP. *Mutat Res* 204:17-155.
- Atherton SJ, Craig BB. 1986. Laser photolysis of 2,6-dinitrotoluene in solution. *Chem Phys Lett* 127:7-12.
- Atkinson R. 1987. A structure-activity relationship for the estimation of rate constants for the gas-phase reactions of OH radicals with organic compounds. *Int J Chem Kinet* 19:799-828.
- *Atkinson R, Carter WPL, Damall KR, et al. 1980. A smog chamber and modeling study of the gas phase nitrogen oxides air photo-oxidation of toluene and the cresols. *Int J Chem Kinet* 12:779-836.
- *ATSDR. 1989. Decision guide for identifying substance-specific data needs related to toxicological profiles. Agency for Toxic Substances and Disease Registry, Division of Toxicology, Atlanta, GA.
- *ATSDR/CDC. 1990. Subcommittee report on biological indicators of organ damage. Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention, Atlanta, GA.
- Banerjee H, Dutta SK. 1997. 2-Amino-4,6-dinitrotoluene exposure to mammalian cells causes P53 gene mutation and induces apoptotic changes [Abstract]. The Annual Meeting of the American Society for Biochemistry and Molecular Biology. *Faseb J* 11(9).
- Banerjee S, Howard PH, Lande SS. 1990. General structure-vapor pressure relationships for organics. *Chemosphere* 21:1173-1180.
- Barnes D, Bellin J, DeRosa C, et al. 1987. Reference dose (RfD): Description and use in health risk assessments. Volume I, Appendix A: Integrated risk information system supportive documentatron. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA/600/8-86/032a.
- *Barnes DG, Dourson M. 1988. Reference dose (RfD): Description and use in health risk assessment. *Regul Toxicol Pharmacol* 8:471-486.
- Barrows SE, Cramer CJ, Truhlar DG. 1996. Factors controlling regioselectivity in the reduction of polynitroaromatics in aqueous solution. *Environ Sci Technol* 30:3028-3038.
- Batz ML, Garland PM, Reiter RC, et al. 1997. Explosion and ion association chemistry of the anion radicals of 2,4,6-trinitrotoluene, 2,6-dinitrotoluene, and trinitrobenzene. *J Org Chem* 62:2045-2049.
- Bauer CF, Grant CL, Jenkins TF. 1986. Interlaboratory evaluation of high performance liquid chromatographic determination of nitroorganics in munitions plant wastewater. *Anal Chem* 58:176-182.
- *Bauer CF, Koza SM, Jenkins TF. 1990. Liquid chromatographic method for determination of explosives residues in soil: Collaborative study. *J Assoc Off Anal Chem* 73:541-552.
- *Bausum HT, Mitchell WR, Major MA. 1992. Biodegradation of 2,4- and 2,6-dinitrotoluene by freshwater microorganisms. *J Environ Sci Health A27*: 663-695.

8. REFERENCES

- Belkin F, Bishop RW, Sheely MV. 1985. Analysis of explosives in water by capillary gas chromatography. *J Chromatogr Sci* 23:532-534.
- Bermudez E, Tiller-y D, Butterworth BE. 1979. The effect of 2,4-dinitrotoluene and isomers of dinitrotoluene on unscheduled DNA synthesis in primary rat hepatocytes. *Environ Mutagen* 1:391-398.
- Best EPH, Zappi ME, Fredrickson I-IL et al. 1997. Screening of aquatic and wetland plant species for phytoremediation of explosives-contaminated groundwater from the Iowa Army Ammunition Plant. *Ann NY Acad Sci* 829:179-194.
- *Bloch E, Gondos B, Gatz M, et al. 1988. Reproductive toxicity of 2,4-dinitrotoluene in the rat. *Toxicol Appl Pharmacol* 94:466-472.
- Bond JA, Medinsky MA, Dent JG, et al. 1981. Sex dependent metabolism and biliary excretion of carbon-14 labeled dinitrotoluene in isolated perfused rat livers. *J Pharmacol Exp Ther* 219:598-603.
- Bond JA, Rickert DE. 1981. Metabolism of 2,4-dinitrotoluene by freshly isolated Fischer-344 rat primary hepatocytes. *Drug Metab Dispos* 9:10-14.
- *Bouvier ES, Oehrle SA. 1995. Analysis and identification of nitroaromatic and nitramine explosives in water using HPLC and photodiode-array detection. *LC-GC* 13:120-130.
- Boyd EM, Killham K, Wright J et al. 1997. Toxicity assessment of xenobiotic contaminated groundwater using lux modified *Pseudomonas fluorescens*. *Chemosphere* 35:1967-1985.
- Bradley PM, Chapelle FH, Landmeyer JE et al. 1994. Microbial transformation of nitroaromatics in surface soils and aquifer materials. *Appl Environ Microbiol* 60:2170-2175.
- *Bradley PM, Chapelle FH, Landmeyer JE. 1995. Degradation of 2,4-DNT, 2,6-DNT, and 2,4,6-TNT by indigenous aquifer microorganisms. *Bioremediation of Recalcitrant Organics* 7:267-271.
- Briggs GG, Bromilow RH, Evans AA. 1982. Relationships between lipophilicity and root uptake and translocation of non-ionized chemicals by barley. *Pestic Sci* 13:495-504.
- *Bronstein AC, Currance PL, eds. 1994. Aniline and related compounds. In: *Emergency care for hazardous materials exposure*. St. Louis, MO: CV Mosby Company, 205-207.
- Bums DT, Lewis RJ. 1995. Analysis and characterization of nitroglycerin-based explosives by gas chromatography-mass spectrometry. *Anal Chim Acta* 307:89-95.
- Burrows EP. 1994. Dimethyl ether and dimethyl-d6 ether chemical ionization mass spectrometry of nitramines, nitroaromatics and related compounds. *Organ Mass Spectrom* 29:315-320.
- *Callahan MA, Slimak MW, Gabel N, et al. 1979. Water-related environmental fate of 129 priority pollutants. Volume II. Washington, DC: Monitoring and Data Support Division (WH-553), U.S. Environmental Protection Agency, EPA-440/4-79-029b, PB80-204381,81-1 to 82-8.
- *Camanzo J, Rice CP, Jude DG, et al. 1987. Organic priority pollutants in near-shore fish from 14 Lake Michigan (USA) tributaries and embayments, 1983. *J Great Lakes Res* 13:296-309.

8. REFERENCES

*Cataldo DA, Harvey SD, Fellows RJ, et al. 1989. An evaluation of the environmental fate and behavior of munitions material (TNT, RDX) in soil and plant systems; environmental fate and behavior of TNT. Final report. Final report to U.S. Army Medical Research and Development Command. Pacific Northwest Laboratories, Battelle. NTIS ADA223546.

Caton JE, Griest WH. 1996. Determination of explosives and some metabolites of TNT in biological and environmental samples by liquid chromatography on a mixed-mode & anion column. *J Liq Chrom Rel Technol* 19:661-667.

*CDC. 1981. Reproductive abnormalities in male Chemical Workers-Kentucky. *MMWR* 30:199-205.

*Chadwick RW, George SE, Chang J, et al. 1990. Comparative gastrointestinal enzyme activity and activation of the promutagen 2,6-dinitrotoluene in male CD-1 mice and male Fischer 344 rats. *Cancer Lett* 52:13-19.

Chadwick RW, George SE, Chang J, et al. 1991. Potentiation of 2,6-dinitrotoluene genotoxicity in Fischer 344 rats by pretreatment with pentachlorophenol. *Pestic Biochem Physiol* 139:168-181.

*Chadwick RW, George SE, Kohan MJ, et al. 1993. Potentiation of 2,6-dinitrotoluene genotoxicity in Fischer-344 rats by pretreatment with Aroclor 1254. *Toxicology* 80:153-171.

Chadwick RW, George SE, Kohan MJ, et al. 1995. Potentiation of 2,6-dinitrotoluene genotoxicity in Fischer-344 rats by pretreatment with coal-tar creosote. *J Toxicol Environ Health* 44:319-336.

*Chapman DE, Michener SR, Powis G. 1993. In vitro metabolism of (3H)2,6-dinitrotoluene by human and rat liver. *Toxicol in Vitro* 7:213-220.

Cheng J, Kanjo Y, Suidan MT, et al. 1996. Anaerobic biotransformation of 2,4-dinitrotoluene with ethanol as primary substrate: mutual effect of the substrates on their biotransformation. *Water Research* 30:307-314.

Chism JP, Turner MJ, Jr., Rickert DE. 1984. The metabolism and excretion of mononitrotoluenes by Fischer-344 rats. *Drug Metab Dispos* 12:596-602.

*Chiu CW, Lee LH, Wang CY, et al. 1978. Mutagenicity of some commercially available nitro compounds for *Salmonella typhimurium*. *Mutat Res* 58:11-22.

*Clark A, Deas MR, Kosmidis C, et al. 1995. Explosives vapor identification in ion mobility spectrometry using a tunable laser ionization source: a comparison with conventional ⁶³Ni ionization. *JAERI-Conf* 95-005:521-529.

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

*CLPSD. 1988. Contract laboratory program's statistical database. VIAR & Company. Alexandria, VA. August 10.

CMA. 1991. Initial submission from Chemical Manufacturers Association to U.S. EPA submitting information on 2,6-dinitrotoluene acute (6-hour) inhalation toxicity study in rats with attachments. Chemical Manufacturers Association. NTIS OTS0533663.

8. REFERENCES

- *CMR. 1983. Chemical Marketing Reporter, February 21: 14.
- Cossum PA, Rickert DE. 1985. Metabolism of dinitrobenzenes by isolated rat hepatocytes. *Drug Metab Disp* 13:664-668.
- *Couch DB, Allen PF, Abernethy DJ. 1981. The mutagenicity of dinitrotoluenes in *Salmonella typhimurium*. *Mutat Res* 90:373-383.
- CRIS/USDA. 1997. Current Research Information Systems/U.S. Department of Agriculture. Beltsville, MD: U.S. Department of Agriculture.
- David F, Sandra P, Stafford SS, et al. 1994. Analysis of semivolatiles by CGS-MS using pressure electronic control for increasing sensitivity. *Tee Labo* 16:938-944.
- Davidova IA, Sufhta JM. 1997. Transformation of 2,4-dinitrotoluene by anaerobic bacteria [Abstract]. 97th General Meeting of the American Society for Microbiology.
- Davis EM, Murray HE, Liehr JG, et al. 1981. Basic microbial degradation rates and chemical byproducts of selected organic compounds. *Water Res* 15:1125-1127.
- DeBethizy JD, Rickert DE. 1984. Metabolism of nitrotoluenes by freshly isolated Fischer 344 rat hepatocytes. *Drug Metab Disp* 12:45-50.
- *De Vault DS. 1985. Contaminants in fish from Great Lakes harbors and tributary mouths. *Arch Environ Contam Toxicol* 14:587-594.
- *Dellarco VL, Prival MJ. 1989. Mutagenicity of nitro compounds in *Salmonella typhimurium* in the presence of flavin mononucleotide in a preincubation assay. *Environ Mol Mutagen* 13:116-127.
- *Deroux JM, Gonzalez C, Le Cloirec P, et al. 1996. Analysis of extractable organic compounds in water by gas chromatography mass spectrometry: applications to surface water. *Talanta* 43:365-380.
- Deuster, Ralph, Lubahn, Natascha, Friedrich, Carsten, Kleibohmer, Wolfgang. 1997. Supercritical CO₂ assisted liquid extraction of nitroaromatic and polycyclic aromatic compounds in soil. *J Chromatog A*. 785:227-238.
- Dey S, Godbole SH. 1986. Enzymological aspects of dinitrobenzene degradation. In: Kon 01, et al. eds. International Council of Scientific Unions Short Reports. Volume 6. Contemporary Themes in Biochemistry. Cambridge, England, UK, Cambridge University Press. 6:23-26.
- Dey S, Godbole SH. 1987. Toxicity of m-dinitrobenzene wastes. A bioassay study. *J Environ Biol*(2 Supp1):201-206.
- Dey S, Kanekar P, Godbole SH. 1986. Aerobic microbial degradation of dinitrobenzene. *Indian J Environ Health* 29:118-128.
- *Diehl CA, Jafvert CT, Larson RA. 1995. Photochemical reactions of 2,4-dinitrotoluene in surfactant solutions. *Abs Papers American Chemical Society* 210 (1-2).

8. REFERENCES

*Dillert R, Brandt M, Fomefett I, et al. 1995. Photocatalytic degradation of trinitrotoluene and other nitroaromatic compounds. *Chemosphere* 30:2333-2341.

Dixit R, Schut HAJ, Klaunig JE, et al. 1986. Metabolism and DNA binding of 2,6-dinitrotoluene in Fischer-344 Rats and A/J mice. *Toxicol Appl Pharmacol* 82:53-61.

Duarte-Davidson R, Jones KC. 1996. Screening the environmental fate of organic contaminants in sewage sludge applied to agricultural soils: II. The potential for transfers to plants and grazing animals. *Sci Total Environ* 185:59-70.

Duester R, Lubahn N, Friedrich C. 1997. Supercritical CO₂ assisted liquid extraction of nitroaromatic and polycyclic aromatic compounds in soil. *J Chromatogr A* 785:227-238.

Dunkel VC, Zeiger E, Brusik D, et al. 1985. Reproducibility of microbial mutagenicity assays: II. Testing of carcinogens and noncarcinogens in *Salmonella typhimurium* and *Escherichia coli*. *Environ Mutagen* 7:1-248.

Dunlap KL. 1981. Nitrobenzene and nitrotoluenes. In: Kirk-Othmer encyclopedia of chemical technology. Volume 15, 3rd ed. Grayson M, Eckroth D. eds. John Wiley and Sons, Inc., NY. 931.

*Einisto P, Watanabe M, Ishidate M Jr., et al. 1991. Mutagenicity of 30 chemicals in *Salmonella typhimurium* strains possessing different nitroreductase or *o*-acetyltransferase activities. *Mutat Res* 259:95-102.

*Ellenhorn MJ. 1997. *Ellenhorn's medical toxicology: Diagnosis and treatment of human poisoning*, 2nd ed. Baltimore, MD: Williams and Wilkins, 1366-1368.

*Ellis HV, Hagensen JH, Hodgson JR, et al. 1979. Mammalian toxicity of munitions compounds. Phase BI: Effects of lifetime exposure. Part I. 2,4-Dinitrotoluene. Final report no. 7. Midwest Research Institute, Kansas City, MO. Contract no. DAMD 17-74-C-4073, ADA077 692.

*Ellis HV, Hong CB, Lee CC, et al. 1985. Subchronic and chronic toxicity studies of 2,4-dinitrotoluene. Part I. Beagle dog. *J Am Coll Toxicol* 4:233-242.

*Ellis HV, Hodgson JR, Hwang SW, et al. 1978. Mammalian toxicity of munitions compounds. Phase I. Acute oral toxicity, primary skin and eye irritation, dermal sensitization, disposition and metabolism and Ames tests of additional compounds. Progress report no. 6. Midwest Research Institute. Kansas City, MO. Contract no. DAMD 17-74-C-4073, AD A069 444

*Emmrich M, Kaiser M, Rueden H, et al. 1993. Determination of RDX, 2,4,6-trinitrotoluene and other nitroaromatic compounds by high-performance liquid chromatography with photodiode-array detection. *J Chromatogr* 645:89-94.

EPA. 1978. U.S. Environmental Protection Agency. Chemical hazard information profile: 2,4-dinitrotoluene. EPA-560/1-80-011.

*EPA. 1980a. U.S. Environmental Protection Agency. Semivolatile organic compounds by isotope dilution GC-IDMS-method 1625.

8. REFERENCES

- EPA. 1980b. U.S. Environmental Protection Agency. Hazardous waste; identification and listing; final and interim rules. Federal Register. May 19.45:33084-33133.
- EPA. 1980~. U.S. Environmental Protection Agency. Ambient water quality criteria for dinitrotoluene. Office of Water Regulation and Standards. Washington, DC. EPA-440/5-80-045.
- EPA. 1980d. U.S. Environmental Protection Agency. Guidelines and methodology used in the preparation of health effect assessment chapters of the consent decree water criteria documents. Federal Register 45:79347-79357.
- EPA. 1980e. U.S. Environmental Protection Agency. Federal Register 45:79318-79379.
- EPA. 1980f. U.S. Environmental Protection Agency. Chemical hazard information profiles (CHIPS) August 1, 1976, to November 20, 1979. Office of Pesticides and Toxic Substances. EPA 560/1 1-80-011.
- *EPA. 1982a. U.S. Environmental Protection Agency. Nitroaromatics and Isophorone-method 609. Methods for organic chemical analysis of municipal and industrial wastewater. Environmental Monitoring and Support Laboratory, Cincinnati, OH. pp. 609-1 to 609-8.
- *EPA. 1982b. U.S. Environmental Protection Agency. Base/neutrals and acids-method 625. Methods for organic chemical analysis of municipal and industrial wastewater. Environmental Monitoring and Support Laboratory, Cincinnati, OH. pp. 625-1 to 625-19.
- EPA. 1983. U.S. Environmental Protection Agency. Treatability manual. Volume I. Treatability data. Office of Research and Development. February 1983.
- EPA. 1985. U.S. Environmental Protection Agency. Part II. Notification requirements; reportable quantity adjustments; final rule and proposed rule. Federal Register 50:13456-13522.
- *EPA. 1986a. U.S. Environmental Protection Agency. Nitroaromatics and cyclic ketones-method 8090. Test methods for evaluating solid wastes, SW-846. 3rd ed. Office of Solid Waste and Emergency Response. Washington, DC. Pp. 8090-1 to 8090-15.
- *EPA. 1986b. U.S. Environmental Protection Agency. Gas chromatography/mass spectrometry for semivolatile organics: capillary column technique-method 8270. Test methods for evaluating solid wastes, SW-846. 3rd ed. Office of Solid Waste and Emergency Response. Washington, DC. Pp. 8270-1 to 8270-32.
- *EPA. 1986~. U.S. Environmental Protection Agency. Capillary column analysis of semivolatile organic compounds by gas chromatography/fourier transform infrared (GC/FT-IR) spectrometry-method 8410. Test methods for evaluating solid wastes, SW-846. 3rd ed. Office of Solid Waste and Emergency Response. Washington, DC. Pp. 8410-1 to 8410-17.
- *EPA. 1986d. U.S. Environmental Protection Agency. Health and environmental effects profile for dinitrotoluenes. Prepared by Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH for Office of Solid Waste and Emergency Response, Washington, DC. ECAO-CINOP183. EPA/600/X-86/159.

8. REFERENCES

- EPA. 1986e. U.S. Environmental Protection Agency. Quality criteria document for water 1986: Dinitrotoluene. EPA 440/5-86-001.
- EPA. 1987a. U.S. Environmental Protection Agency. Hazardous substances; reportable quantity adjustments; proposed rule. Federal Register 50:8140.
- EPA. 1987b. U.S. Environmental Protection Agency. Part II. List (Phase 1) of hazardous constituents for 6-round-water monitoring; final rule. Federal Register 52:25942-25953.
- EPA. 1987c. U.S. Environmental Protection Agency. Health assessment document for beryllium. Office of Health and Environmental Assessment. Washington, DC. EPA/600/8-84-026F.
- EPA. 1988a. U.S. Environmental Protection Agency. Evaluation of the potential carcinogenicity of 2,6-dinitrotoluene. Final Report. Office of Health and Environmental Assessment. Washington, DC. EPA/600/8-91/124. NTIS PB93-185411.
- EPA. 1988b. U.S. Environmental Protection Agency. Methodology for evaluating potential carcinogenicity in support of reportable quantity adjustments pursuant to CERCLA section 102 (Final). EPA/600/8-89/053.
- *EPA. 1989. U.S. Environmental Protection Agency. Method 1624: Volatile organic compounds by isotope dilution GCMS; Method 1625: Semivolatile organic compounds by isotope dilution GCMS. Office of Water Regulations and Standards, Industrial Technology Division. EPA 440/1-89-023.
- *EPA. 1990a. Interim methods for development of inhalation reference doses. U.S. Environmental Protection Agency. EPA-600/8-90/066A.
- *EPA. 1990b. U.S. Environmental Protection Agency. Interim methods for development of inhalation reference doses. Office of Research and Development. Washington, DC. EPA 600/8-90-066A.
- *EPA. 1992. U.S. Environmental Protection Agency. Health advisory for 2,4- and 2,6-dinitrotoluene (DNT). Office of Water, Office of Science and Technology, Health and Ecological Criteria Division. Washington, DC. PB92-189315.
- *EPA. 1995. U.S. Environmental Protection Agency. Health effects assessment summary tables. Office of Research and Development, Office of Emergency and Remedial Response, Washington, DC. EPA 540/R-95-036. NTIS publication no. PB95-921199.
- *EPA. 1996. U.S. Environmental Protection Agency. Drinking water regulations and health advisories, Office of Water, Washington, DC. EPA 822-R-96-001.
- *EPA. 1997a. U.S. Environmental Protection Agency. Ground-water monitoring list. Code of Federal Regulations 40 CFR 264 Appendix IX.
- *EPA. 1997b. U.S. Environmental Protection Agency. Hazardous constituents. Code of Federal Regulations 40 CFR 261 Appendix VIII.
- EPA. 1997c. U.S. Environmental Protection Agency. Toxic chemical release reporting: Community right-to-know. Code of Federal Regulations 40 CFR 372.

8. REFERENCES

- *EPA 1998a. U.S. Environmental Protection Agency. Applicability; description of the bulk organic chemicals subcategory. 40 CFR 414.70.
- *EPA. 1998b. U.S. Environmental Protection Agency. Designation of hazardous substances. Code of Federal Regulations 40 CFR 116.4.
- *EPA. 1998~. U.S. Environmental Protection Agency. Designation, reportable quantities, and notification. Code of Federal Regulations 40 CFR 302.4.
- *EPA 1998d. U.S. Environmental Protection Agency. Drinking water regulations and health advisories. EPA-822-B-96-002.
- *EPA 1998e. U.S. Environmental Protection Agency. Identification and listing of hazardous wastes. Code of Federal Regulations 40 CFR 26 1 Appendix VIII and IX.
- *EPA 1998f. U.S. Environmental Protection Agency. Electroplating point source category. 40 CFR 413.
- *EPA 1998g. U.S. Environmental Protection Agency. Synthetic fibers, organic chemicals, and plastics. 40 CFR 414.70.
- *Etnier EL. 1987. Water quality criteria for 2,4-dinitrotoluene and 2,6-dinitrotoluene. Oak Ridge, TN: Oak Ridge National Laboratory. U.S. Army Medical Research and Development Command. Project order no. 84PP4845.
- *FEDRIP. 1997. Federal Research in Progress: Dinitrotoluene. Dialog Information Services, Inc. February 1997.
- *FEDRIP. 1998. Federal Research in Progress: Dinitrotoluene. Dialog Information Services, Inc. May 12, 1998.
- *Feltes J, Levsen K, Volmer D, et al. 1990. Gas chromatographic and mass spectrometric determination of nitroaromatics in water. *J Chromatogr* 5 18:21-40.
- Floret F. 1929. Medical opinions on industrial poisonings. *Zentr Gewerbehyg Unfallverhüt* 16:280. (Cited in USEPA 1980c).
- *Fornan SJ. 1966. Body composition of the infant. Part I: The male reference infant. Falkner F, ed. *Human development*. Philadelphia, PA: WB Saunders, 239-246.
- *Foman SJ, Haschke F, Ziegler EE, Nelson SE. 1982. Body composition of reference children from birth to age 10 years. *Am J Clin Nutr* 35:1169-1175.
- *Ford LS. 198 1. Eye irritation test in rabbits. E.I. du Pont de Nemours and Co., Inc. Haskell Laboratory Report No. 713-81.
- *Francis ES, Wu M, Farnsworth PB, et al. 1995. Supercritical fluid extraction/gas chromatography with thermal desorption modular interface and nitro-specific detection for the analysis of explosives. *Journal of Microcolumn Separations* 7:23-28.

8. REFERENCES

- *Freedman DL, Shanley RS, Scholze RJ. 1996. Aerobic biodegradation of 2,4-dinitrotoluene, aminonitrotoluene isomers, and 2,4-diaminotoluene. *J Haz Mater* 49:1-14.
- *FSTRAC. 1988. Summary of state and federal drinking water standards and guidelines. Federal-State Toxicology and Regulatory Alliance Committee. March 1988.
- FSTRAC. 1990. Summary of state and federal drinking water standards and guidelines. Federal-State Toxicology and Regulatory Alliance Committee. February, 1990.
- George SE, Allison JC, Kohan MJ, et al. 1995. Effect of arachlor on 2,6-dinitrotoluene intestinal activation in Fischer 344 rats. 26th Annual Meeting Of The Environmental Mutagen Society, St. Louis, Missouri, USA, March 12-16, 1995. *Environ Mol Mutagen* 25 (suppl. 25):18.
- *George SE, Chadwick RW, Chang JJ, et al. 1992. 2,4,5-Trichlorophenoxyacetic acid influence on 2,6-dinitrotoluene-induced urine genotoxicity in Fischer 344 rats: Effect on gastrointestinal microflora and enzyme activity. *Fundam Appl Toxicol* 18:240-246.
- George SE, Chadwick RW, Creason JP, et al. 1991. Effect of pentachlorophenol on the activation of 2,6-dinitrotoluene to genotoxic urinary metabolites in CD-1 mice: A comparison of GI enzyme activities and urine mutagenicity. *Environ Mol Mutagen* 18:92-101.
- George SE, Kohan MJ, Warren SH. 1996. Hepatic DNA adducts and production of mutagenic urine in 2,6-dinitrotoluene-treated B6C3F1 male mice. *Cancer Lett* 102: 107-111.
- *Gillett JW. 1983. A comprehensive pre-biologic screen for ecotoxicologic effects. *Environ Toxicol Chem* 2:463-476.
- Gillett JW, Sedlak DA, eds. 1987. Pre-biologic screen (PBS) version 2.0. Institute for Comparative and Environmental Toxicology, Cornell University, Ithaca, NY.
- Goldsworthy TL, Hamm Jr. TE, Rickert DE et al. 1986. The effect of diet on 2,6-dinitrotoluene hepatocarcinogenesis. *Carcinogenesis* 7:1909-1915.
- Grant CL, Jenkins TF, Mudambi AR. 1997. Comparison of environmental chemical results for split samples analyzed in different laboratories. *J AOAC Int* 80:1129-1138.
- *Grant CL, Jenkins TF, Myers KF, et al. 1995. Holding-time estimates for soils containing explosive residues: comparison of fortification vs. field contamination. *Environ Toxicol Chem* 14:1865-1874.
- *Griest WH, Stewart AJ, Tyndall RL, et al. 1993. Chemical and toxicological testing of composted explosives-contaminated soil. *Environ Toxicol Chem* 12:1105-1116.
- *Gruener N. 1976. Ontogenetic development of NADH-dependent methemoglobin reductase in erythrocytes of man and rat. *J Toxicol Environ Health* 1:787-791.
- *Guest D, Schnell SR, Rickert DE, et al. 1982. Metabolism of 2,4-dinitrotoluene by intestinal microorganisms from rat, mouse and man. *Toxicol Appl Pharmacol* 64: 160-168.

8. REFERENCES

- *Gurka DF, Titus R, Griffiths PR, et al. 1987. Evaluation of an improved single-beam gas chromatography/fourier transform infrared interface for environmental analysis. *Anal Chem* 59:2362-2369.
- *Guzelian PS, Henry CJ, Olin SS. 1992. Similarities and differences between children and adults: Implications for risk assessment. Washington, DC: International Life Sciences Institute Press.
- *Hable M, Stem C, Asowata C, et al. 1991. The determination of nitroaromatics and nitroamines in ground and drinking water by wide-bore capillary gas chromatography. *J Chromatogr Sci* 29: 131-135.
- Haderlein SB, Weismahr KW, Schwarzenbach RP. 1996. Specific adsorption of nitroaromatic explosives and pesticides to clay minerals. *Environ Sci Technol* 30:612-622.
- Haidour L, Ramos JL. 1996. Identification of products resulting from the biological reduction of 2,4,6-trinitrotoluene, 2,4-dinitrotoluene, and 2,6-dinitrotoluene by *Pseudomonas* sp. *Environ Sci Technol* 30:2365-2370.
- *Hallas LE, Alexander M. 1983. Microbial transformation of nitro aromatic compounds in sewage effluent. *Appl Environ Microbiol* 45: 1234-1241.
- *Hamill PVV, Steinberger E, Levine RJ, et al. 1982. The epidemiologic assessment of male reproductive hazard from occupational exposure to TDA and dinitrotoluene. *J Occup Med* 24:985-993.
- Hamilton AS, Nixon CE. 1918. Optic atrophy and multiple neuritis developed in the manufacture of explosives. (Dinitrotoluene). *JAMA* 70:2004-2006.
- *Hartley WR, Anderson AC, Reimers RS, et al. 1981. Separation and determination of dinitrotoluene isomers in water by gas chromatography. *Trace Substances in Environmental Health* 15:298-302.
- *Hashimoto A, Sakino H, Kojima T, et al. 1982. Sources and behavior of dinitrotoluene isomers in sea water. *Water Res* 16:891-898.
- *Hashimoto Y, Tokura K, Kishi H, et al. 1984. Prediction of sea-water solubility of aromatic compounds. *Chemosphere* 13:881-888.
- *HazDat. 1998. Agency for Toxic Substances and Disease Registry (ATSDR), Atlanta, GA.
- *Hazleton Laboratories. 1977. A thirty-day toxicology study in Fischer-344 rats given dinitrotoluene, technical grade. Full report. Submitted to Chemical Industry Institute of Toxicology, Research Triangle Park, NC.
- *Hazleton Laboratories. 1982. 104-week chronic study in rats. Dinitrotoluene. Final report Volume I of II. Submitted to Chemical Industry Institute of Toxicology, Research Triangle Park, NC.
- Heinze L, Brosius M, Wiesmann U. 1995. Biological degradation of 2,4-dinitrotoluene in a continuous bioreactor and kinetic studies. *Acta Hydrochim Hydrobiol* 23:254-263.
- *Heny JE. 1982. Eye irritation test in rabbits. E.I. du Pont de Nemours and Co., Inc. Haskell Laboratory Report No. 31-82.

8. REFERENCES

- Hildenbrand M, Luckner L. 1995. Laboratory experiments for describing the migration of explosives in sandy aquifers. *Acta Hydrochim Hydrobiol* 23:111-120.
- *Ho PC. 1986. Photooxidation of 2,4-dinitrotoluene in aqueous solution in the presence of hydrogen peroxide. *Environ Sci Technol* 20:260-267.
- *Hodgson JR, Kowalski MA, Glennon JP, et al. 1976. Mutagenicity studies on 2,4-dinitrotoluene [Abstract]. *Mutat Res* 38:387.
- Hoff MC. 1983. Toluene. In: Kirk-Othmer encyclopedia of chemical technology. Volume 23, 3rd ed. Grayson M, Eckroth D, eds. John Wiley and Sons, Inc. 265.
- *Hoffsommer JC, Glover DJ, Rosen JM. 1972. Analysis of explosives in sea water and in ocean floor sediment and fauna. Report 72-215. Naval Ordnance Laboratory, White Oak, Silver Spring, MD.
- *Hake RA, Giesy JP, Zabik M, et al. 1993. Toxicity of sediments and sediment pore waters from the Grand Calumet River-Indiana Harbor are of concern. *Ecotoxicol Environ Saf* 26:86-112.
- *Holen I, Mikalsen SO, Sanner T. 1990. Effects of dinitrotoluenes on morphological cell transformation and intercellular communication in Syrian hamster embryo cells. *J Toxicol Environ Health* 29:89-98.
- *Hong CB, Ellis JV, Lee CC, et al. 1985. Subchronic and chronic toxicity studies of 2,4-dinitrotoluene. Part III. CD-1 mice. *J Am Coll Toxicol* 4:257-269.
- HSDB. 1988. Hazardous Substances Data Bank. On-line, 8-88. National Library of Medicine. Bethesda, MD.
- *HSDB. 1998. Hazardous Substances Data Bank. National Library of Medicine. Bethesda, MD.
- *Huang Q, Wang L, Han S. 1995. The genotoxicity of substituted nitrobenzenes and the quantitative structure-activity relationship studies. *Chemosphere* 30:915-923.
- Huang QG, Kong LR, Liu YB et al. 1996. Relationships between molecular structure and chromosomal aberrations in in vitro human lymphocytes induced by substituted nitrobenzenes. *Bull Environ Contam Toxicol* 57:349-353.
- *Hunt RJ, Neubauer NR, Picone RF. 1980. An improved procedure for sampling and analysis of dinitrotoluene vapor concentrations in workplace air. *Am Ind Hyg Assoc J* 41:592-594.
- *IARC. 1996. IARC monographs on the evaluation of carcinogenic risks to humans. Vol. 65: 2,4-Dinitrotoluene and 2,6-Dinitrotoluene. Lyon, France: World Health Organization, International Agency for Research on Cancer.
- IRIS. 1993. Integrated Risk Information System. U.S. Environmental Protection Agency, Washington, DC.
- *IRIS. 1996. Integrated Risk Information System. US Environmental Protection Agency, Washington, DC.
- *IRIS. 1998. Integrated Risk Information System. US Environmental Protection Agency, Washington, DC.

8. REFERENCES

- *Jenkins TF, Leggett DC, Grant CL, et al. 1986. Reversed-phase high-performance liquid chromatographic determination of nitroorganics in munitions wastewater. *Anal Chem* 58:170-175.
- *Jenkins TF, Walsh ME. 1992. Development of field screening methods for TNT, 2,4-DNT and RDX in soil. *Talanta* 39:419-428.
- *Johanson CE. 1980. Permeability and vascularity of the developing brain: cerebellum vs cerebral cortex. *Brain Res* 190:3-16.
- *Jokinen MP, Clarkson TB, Prichard RW. 1985. Animal models in atherosclerosis research. *Exp Mol Pathol* 42: 1-28.
- *Jones-Price C, Marks TA, Ledoux TA, et al. 1982. Teratological and postnatal evaluation of dinitrotoluene in Fischer-344 rats. Final report. Research Triangle Institute. Submitted to the Chemical Industry Institute of Toxicology, Research Triangle Park, NC.
- Kaplan DL, Kaplan AM. 1982. 2,4,6-Trinitrotoluene surfactant complexes decomposition mutagenicity and soil leaching studies. *Environ Sci Technol* 16:566-571.
- *Kedderis GL, Dyroff MC, Rickert DE. 1984. Hepatic macromolecular binding of the hepatocarcinogen 2,6-DNT and its 2,4-isomer *in vivo*; modulation by the sulfotransferase inhibitors pentachlorophenol and 2,6-dichloro-4-nitrophenol. *Carcinogenesis* 5: 1199-1204.
- Kedderis GL, Rickert DE. 1985. Characterization of the oxidation of amine metabolites of nitrotoluenes by rat hepatic microsomes *n* and *c* hydroxylation. *Mol Pharmacol* 28:207-214.
- Kessel S, Hauck HE. 1996. Qualitative and quantitative determination of 2,4,6-TNT, hexogen, octogen, aminonitro- and nitrocompounds in ammunition wastes with modified TLC and DHPTLC precoated layers. *Chromatographia* 43:401-404.
- King RD, Srinivasan A. 1996. Prediction of rodent carcinogenicity bioassays from molecular structure using inductive logic programming. *Environ Health Perspect* 104: 103 1-1040.
- Klaassen CD, Amdur MO, Doull J, eds. 1986. Casarett and Doull's toxicology: The basic science of poisons. 3rd ed. New York, NY: Macmillan Publishing Company, 239.
- Klaassen CD, Amdur MO, Doull J. 1996. Casarett and Doull's toxicology: The basic science of poisons. 5th ed. New York, NY: The McGraw-Hill Companies, Inc.
- Kleiner AI, Stovpivskaya YUR. 1981. Digestive function of the small intestine in patients chronically intoxicated with toluene nitro derivatives. *Gig Tr Prof Zabol* 1981:23-26.
- Kohan MJ, George SE, Brooks LR. 1997. Effect of alachlor treatment on the formation of 2,6-dinitrotoluene hepatic DNA adducts in Fischer 344 rats [Abstract]. *Environ Mol Mutagen* 29(Suppl 28).
- *Komori M, Nishio K, Kitada M, et al. 1990. Fetus-specific expression of a form of cytochrome P-450 in human liver. *Biochemistry* 29:4430-4433.

8. REFERENCES

- Korolev AA, Voitsekhovskaya TV, Bogdanov MV, et al. 1977. [Experimental data for hygienic standardization of dinitrotoluene and trinitrobenzene in surface waters.] *Gig Sanit* 10:17-20. (Russian).
- *Kozuka H, Mori M, Nause Y. 1979. Studies on the metabolism and toxicity of dinitrotoluenes. Toxicological study of 2,4-dinitrotoluene (2,4-DNT) in rats in long-term feeding. *J Toxicol Sci* 4:221-228.
- *Krishnan K, Andersen ME. 1994. Physiologically based pharmacokinetic modeling in toxicology. In: Hayes W, ed. *Principles and methods of toxicology*. 3rd ed. New York, NY: Raven Press, Ltd., 149-188.
- *Krishnan K, Andersen ME, Clewell HJ III, et al. 1994. Physiologically based pharmacokinetic modeling of chemical mixtures. In: Yang, RSA, ed. *Toxicology of chemical mixtures*. New York, NY: Academic Press, 399-437.
- *Kumar S, Davis AP. 1997. Heterogeneous photocatalytic oxidation of nitrotoluenes. *Water Environment Research* 69:1238-1245.
- *KY NREPC. 1998. Threshold ambient limits and significant emission levels of toxic air pollutants. 401 KAR 63:022.
- *La DK, Froines JR. 1992. Comparison of DNA adduct formation between 2,4 and 2,6-dinitrotoluene by 32P-postlabelling analysis. *Arch Toxicol* 66:633-640.
- *La DK, Froines JR. 1993. Comparison of DNA binding between the carcinogen 2,6-dinitrotoluene and its noncarcinogenic analog 2,6-diaminotoluene. *Mutat Res* 301:79-85.
- *Lane RW, Simon GS, Dougherty RW, et al. 1985. Reproductive toxicity and lack of dominant lethal effects of 2,4-dinitrotoluene in the male rat. *Drug Chem Toxicol* 8:265-280.
- Larson SL. 1997. Fate of explosive contaminants in plants. *Ann NY Acad Sci* 829: 195-201.
- *Lee CC, Dilley JV, Hodgson JR, et al. 1975. Mammalian toxicity of munition compounds: Phase I. Acute oral toxicity, primary skin and eye irritation, dermal sensitization, and disposition and metabolism. Report no. 1. Contract DAMD17-74-c-4073; Midwest Research Institute Project no. 3900-B.
- *Lee CC, Ellis HV, Kowalski JJ, et al. 1976. Mammalian toxicity of munitions compounds. Phase II: Effects of multiple doses. Part III 2,6-Dinitrotoluene. Progress report no. 4. Midwest Research Institute Project no. 3900-B. Contract no. DAMD-17-74-C-4073.
- *Lee CC, Ellis HV, Kowalski JJ, et al. 1978. Mammalian toxicity of munitions compounds. Phase II: Effects of multiple doses. Part II: 2,4-Dinitrotoluene. Progress report No. 3. Midwest Research Institute, Kansas City, MO. Contract no. DAMD 17-74-C-4073.
- *Lee CC, Hong CB, Ellis HV, et al. 1985. Subchronic and chronic toxicity studies of 2,4-dinitrotoluene. Part II. CD rats. *J Am Coll Toxicol* 4:243-256.
- *Lee YS, Hunter JV. 1985. Effect of ozonation and chlorination of Environmental Protection Agency priority pollutant. In: Jolley RL, Bull RJ, Davis WP, et al., eds. *Water chlorination: Chemistry, environmental impact and health effects*. Vol 15. Chelsea, MI: Lewis Publishers, Inc. 1515-1526.

8. REFERENCES

- *Leeder JS, Keams, GL. 1997. Pharmacogenetics in pediatrics: Implications for practice. *Ped Clin North America* 44:55-77.
- *Leonard TB, Adams T, Popp JA. 1986. Dinitrotoluene isomer-specific enhancement of the expression of diethylnitrosamine-initiated hepatocyte foci. *Carcinogenesis* 7:1797-1803.
- *Leonard TB, Graichen ME, Popp JA. 1987. Dinitrotoluene isomer-specific hepatocarcinogenesis in F344 rats. *JNCI* 79:1313-1319.
- *Leonard TB, Lyght O, Popp JA. 1983. Dinitrotoluene structure-dependent initiation of hepatocytes *in viva*. *Carcinogenesis* 4:1059-1061.
- Leone JA, Flagan RC, Grosjean D, et al. 1985. An outdoor smog chamber and modeling study of toluenenitrogen oxides photooxidation. *Int J Chem Kinet* 17:177-216.
- *Leung H-W. 1993. Physiologically-based pharmacokinetic modeling. In: Ballantyne B, Marrs T, Turner P, eds. *General and applied toxicology*. New York, NY: Stockton Press, I:153-164.
- *Levine RJ, Andjelkovich DA, Kersteter SL, et al. 1986a. Heart disease in workers exposed to dinitrotoluene. *J Occup Med* 28:811-816.
- *Levine RJ, Andjelkovich DA, Kersteter SL, et al. 1986b. Mortality of munitions workers exposed to dinitrotoluene. Final Report. Research Triangle Park, NC: Chemical Industry Institute of Toxicology. Government Accession No. ADA 167600.
- *Levine RJ, Corso RDD, Blunden PB. 1985a. Fertility of workers exposed to dinitrotoluene and TDA at three chemical plants. In: Rickert DE, ed. *Toxicity of nitroaromatic compounds*. Chemical Industry Institute of Toxicology Series. Washington, DC: Hemisphere Publishing Corp: 243-254.
- *Levine RJ, Turner MJ, Crume YS, et al. 1985b. Assessing exposure to dinitrotoluene using a biological monitor. *J Occup Med* 279:627-638.
- Li W, Yin P, Yang Y. 1987. Properties of TNT-degrading enzymes in intact cells of *Citrobacterfreundii*. *Acta Microbial Sin* 27:257-263.
- Lichtenberg JJ, Longbottom JE, Bellar TA. 1987. Analytical methods for the determination of volatile nonpolar chemicals in water and water-related environments. *Advanced Chemistry Series* 2 14:63-81.
- *Lide DR, ed. 1993. *CRC handbook of chemistry and physics*. London: CRC Press, 3-489 - 3-490.
- *Liu D, Thomson K, Anderson AC. 1984. Identification of nitroso compounds from biotransformation of 2,4-dinitrotoluene. *Appl Environ Microbiol* 47: 1295-1298.
- *Lloyd JBF. 1983a. Clean-up procedures for the examination of swabs for explosive traces by highperformance liquid chromatography with electrochemical detection at a pendant drop electrode. *J Chromatogr* 261:391-406.
- *Lloyd JBF. 1983b. High-performance liquid chromatography of organic explosives components with electrochemical detection at a pendant mercury drop electrode. *J Chromatogr* 257:227-236.

8. REFERENCES

- Lochmuller CH, Hui M. 1998. Calculated log K_{ow} as a guide for key-set mobile phase selection in retention prediction. *J Chromatogr Sci* 36:11-18.
- *Long LM, Rickert DE. 1982. Metabolism and excretion of 2,6-dinitro-[14C]toluene *in vivo* and in isolated perfused rat livers. *Drug Metab Dispos* 10:455-458.
- *Loveday KS, Lugo MH, Resnick MA, et al. 1989. Chromosome aberration and sister chromatid exchange tests in Chinese hamster ovary cells *in vitro*: II. Results with 20 chemicals, *Environ Mol Mutagen* 13:60-94.
- *Mabey WR, Smith JH, Podoll RT, et al. 1982. Aquatic fate process data for organic priority pollutants. Washington, DC: U.S. Environmental Protection Agency, EPA-440/4-81-014,239-243.
- *Maksimov YY. 1968. Vapor pressures of aromatic nitrocompounds at various temperatures. *Russian J Phys Chem* 42:1550-1552.
- Martin JL, Comfort SD, Shea PJ. 1997. Denitration of 2,4,6-trinitrotoluene by *Pseudomonas savastunoi*. *Can J Microbiol* 43:447-455.
- McCormick NG, Cornell JH, Kaplan AM. 1978. Identification of biotransformation products from 2,4-dinitrotoluene. *Appl Environ Microbiol* 35:945-948.
- McCormick NG, Feeherry FE, Levinson HS. 1976. Microbial transformation of 2,4,6-trinitrotoluene and other aromatic compounds. *Appl Environ Microbiol* 31:949-958.
- *McFarlane C, Nolt C, Wickliff C, et al. 1987. The uptake, distribution and metabolism of four organic chemicals by soybean plants and barley roots. *Environ Toxicol Chem* 6:847-856.
- *McGee LC, McCausland A, Plume CA, et al, 1942. Metabolic disturbances in workers exposed to dinitrotoluene. *Am J Digest Dis* 9:329-331.
- *McGee LC, Reed HL, Nereim TJ, et al. 1947. Metabolic disturbances in workers exposed to dinitrotoluene during World War II. *Gastroenterology* 8:293-295.
- *McGown EL, Knudsen JJ, Makovec GT, et al. 1983. Fourteen-day feeding study of 2,4-dinitrotoluene in male and female rats. U.S. Army Medical Research and Development Command, Division of Research Support, Letterman Army Institute of Research. AD-A126069.
- *Medinsky MA, Dent JG. 1983. Biliary excretion and enterohepatic circulation of 2,4-dinitrotoluene metabolites in Fischer-344 Rats. *Toxicol Appl Pharmacol* 68:359-366.
- Meylan WM, Howard PH. 1991. Bond contribution method for estimating Henry's Law Constants. *Environ Toxicol Chem* 10:1283-1293.
- *Michael LC, Pellizari ED, Wiseman RW. 1988. Development and evaluation of a procedure for determining volatile organics in water. *Environ Sci and Technol* 22:565-570.
- Michelsen OB, Ostem S. 1979. Removal of nitroglycerol and nitroglycol from a nitration plant effluent by means of solvent extraction. *Environ Sci Technol* 13:735-738.

8. REFERENCES

- *Mirsalis JC, Butterworth BE. 1982. Induction of unscheduled DNA synthesis in rat hepatocytes following *in vivo* treatment with dinitrotoluene. *Carcinogenesis* 3:241-245.
- *Mirsalis JC, Tyson CK, Steinmetz KL, et al. 1989. Measurement of unscheduled DNA synthesis and S-phase synthesis in rodent hepatocytes following *in vivo* treatment: Testing of 24 compounds. *Environ Mol Mutagen* 14:155-164.
- Mitchell WR, Burrows EP. 1995. Nitroreduction of 2,4-dinitrotoluene in vitro by cytochrome P-450 induced H4IIE cells. *Chemosphere* 31:2767-77.
- Mitchell WR, Dennis WH, Jr. 1982. Biodegradation of 1,3-dinitrobenzene. *J Environ Sci Health A17*:837-853.
- *Mori M, Kudo Y, Nunozawa T, et al. 1985. Intestinal metabolism of 2,4-dinitrotoluene in rats. *Chem Pharm Bull* 33:327-332.
- Mori M, Kawajiri T, Sayama M, et al. 1989. Metabolism of 2,4-dinitrotoluene and 2,6-dinitrotoluene, and their dinitrobenzyl alcohols and dinitrobenzaldehydes by Wistar and Sprague-Dawley rat-liver microsomal and cytosol fractions. *Chem Pharm Bull* 37:1904-1908.
- Mori M, Kawajiri T, Sayama M, et al. 1989. Metabolism of 2,6-dinitrotoluene in male Wistar rat. *Xenobiotica* 19:731-741.
- Mori M, Matsushashi T, Miyahara T, et al. 1984. Reduction of 2,4-dinitrotoluene by Wistar rat liver microsomal and cytosol fractions. *Toxicol Appl Pharmacol* 76:105-112.
- *Mori M, Miyahara T, Taniguchi K, et al. 1982. Mutagenicity of 2,4-dinitrotoluene and its metabolites in *Salmonella typhimurium*. *Toxicol Lett* 13:1-5.
- *Mori MA, Sayama M, Shoji M et al. 1997. Biliary excretion and microfloral transformation of major conjugated metabolites of 2,4-dinitrotoluene and 2,6-dinitrotoluene in the male Wistar rat. *Xenobiotica* 27:1225-1236.
- *Mori MA, Shoji M, Dohrin M, et al. 1996. Further studies on the urinary metabolites of 2,4-dinitrotoluene and 2,6-dinitrotoluene in the male Wistar rat. *Xenobiotica* 26:79-88.
- *Morselli PL, France-Morselli R, Bossi L. 1980. Clinical pharmacokinetics in newborns and infants. *Clin Pharmacokin* 5:485-527.
- *Munch JW, Shoemaker JA, Flores P, et al. 1993. U.S. EPA method 525.1 update: Improved sample preparation and additional method analytes. *Proc Water Qual Technol Conf PT 1*:449-462.
- *Nacson S, Legrady O, Siu T, et al. 1994. Improved and novel approaches for the detection of explosives. *Proc SPIE Int Soc Opt Eng* 2276(Cargo Inspection Technologies):69-78.
- *NAS/NRC. 1989. Biologic markers in reproductive toxicology. National Academy of Sciences/National Research Council. Washington, DC: National Academy Press, 15-35.

8. REFERENCES

NATICH. 1987. NATICH data base report on state, local and EPA air toxics activities. Research Triangle Park, NC: National Air Toxics Information Clearinghouse. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency. July 1987.

*NATICH. 1994. National Air Toxics Information Clearinghouse: Data base report on acceptable ambient air concentration guidelines/standards concentrations, units, and averaging times report. US Environmental Protection Agency, Office of Air Quality Planning and Standards. Washington, DC. January 29, 1997.

Naumova RP, Amerkhanova NN, Belousova TO. 1982. Reductive transformation of aromatic nitro compounds by bacteria. *Mikrobiologiya* 5 1:735-739.

Naumova RP, Amerkhanova NN, Zolotukhina LM. 1983. Nitro reduction as a key stage in microbial destruction of aromatic nitro compounds. *Prikl Biokhim Mikrobiol* 19:507-512.

*NCI. 1978. Bioassay of 2,4-dinitrotoluene for possible carcinogenicity. CAS No. 121-14-2. Washington, DC: National Cancer Institute, U.S. Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health. NCI-CG-TR-54.

*ND DHCL. 1998. Maximum acceptable ambient levels. North Dakota Department of Health and Consolidated Laboratory.

Neumann HG, Van Dorp C, Zwimer-Baier I. 1995. The implications for risk assessment of measuring the relative contribution to exposure from occupation, environment and lifestyle: hemoglobin adducts from amino- and nitro-arenes. *Toxicol Lett* 82-83:771-778.

*NIOSH. 1977. National Institute for Occupational Safety and Health. NIOSH manual of analytical methods. 2nd ed. Publication no. 77-157A.

NIOSHa. 1985. Current intelligence bulletin 44. Dinitrotoluenes (DNT). Cincinnati, OH: National Institute for Occupational Safety and Health. DHHS Publication No. 85-109. NTIS PB86-105913.

NIOSHb. 1985. Pocket guide to chemical hazards. Washington, DC: U.S. Department of Health and Human Services, National Institute for Occupational Safety and Health.

*NIOSH. 1992. Recommendations for occupational safety and health. Cincinnati, OH: US Department of Health and Human Services, Public Health Service, Centers for Disease Control, National Institute for Occupational Safety and Health. NIOSH publication No. 92-100.

*NIOSH. 1997. NIOSH pocket guide to chemical hazards. Cincinnati, OH: US Department of Health and Human Services, Public Health Service, Centers for Disease Control, National Institute for Occupational Safety and Health. NIOSH publication No. 94-116.

Nishino SF, Spain JC. 1996. Degradation of 2,6-dinitrotoluene by bacteria [Abstract]. Abstracts of The Annual Meeting of the American Society for Microbiology 96(0):452.

Noguera DR, Freedman DL. 1995. Characterization of the metabolites produced during the biotransformation of 2,4-dinitrotoluene under nitrate reducing conditions. 95th General Meeting Of The American Society For Microbiology, Washington, DC, USA, May 21-25, 1995. Abs Meet Am Soc Microbiol 95:431.

8. REFERENCES

- *Nogueira DR, Freedman DL. 1996. Reduction and acetylation of 2,4-dinitrotoluene by a *Pseudomonas aeruginosa* strain. *Applied Environ Microbiol* 62:2257-2263.
- *Nogueira DR, Freedman DL. 1997. Characterization of products from the biotransformation of 2,4-dinitrotoluene by denitrifying enrichment cultures. *Water Environment Research* 69:260-268.
- *NoIt CL. 1988. Uptake and translocation of six organic chemicals in a newly-designed plant exposure system and evaluation of plant uptake aspects of the prebiologic screen for ecotoxicologic effects. Master's thesis. Cornell University, Ithaca, NY.
- *NRC. 1993. Pesticides in the diets of infants and children. National Research Council, Washington DC: National Academy Press.
- *NRC. 1997. Fax transmission from Kathy Iverson regarding current EEGl and CEGl levels. National Research Council, Board on Environmental Studies and Toxicology, Washington, DC.
- *NTDB. 1996. National Trade Data Bank: The export connection. U.S. Department of Commerce, Economics and Statistics Administration, Washington, DC.
- Oehrle SA. 1996. Analysis of nitramine and nitroaromatic explosives by capillary electrophoresis. *J Chromatogr A* 745:233-237.
- *OSHA. 1998. Table Z-1 limits for air contaminants. U.S. Department of Labor, Occupational Safety & Health Administration. Code of Federal Regulations 29 CFR 1910.1000.
- *OTA. 1990. Neurotoxicity: Identifying and controlling poisons of the nervous system. Office of Technology Assessment, Washington, DC. OTA-BA-438.
- *Owen GM, Brozek J. 1966. Influence of age, sex, and nutrition on body composition during childhood and adolescence. In: Falkner, ed. *Human development*. Philadelphia, PA: Saunders, 222-238.
- Parker LV, Jenkins TF. 1986. Suitability of polyvinyl chloride well casings for monitoring munitions in groundwater. *Groundwater Monit Rev* 6:92-98.
- Parker RG, McOwen JM, Cherolis JA. 1975. Analysis of explosives and explosive residues. 2. Thin-layer chromatography. *J Forensic Sci* 20:254.
- *Parrish FW. 1977. Fungal transformation of 2,4-dinitrotoluene and 2,4,6-trinitrotoluene. *Appl Environ Microbiol* 34:232-233.
- *Pearson JG, Glennon JP, Barkley JJ, et al. 1979. An approach to the toxicological evaluation of a complex industrial wastewater. *Annual Symposium on Aquatic Toxicology* 2:284-301.
- *Pellizzari ED, Shelton LS, Bursey JT, et al. 1985. Master scheme for the analysis of organic compounds in water, state-of-the-art review of analytical operations. U.S. Environmental Protection Agency. Washington, DC. USEPA contract no. 68-03-2704.

8. REFERENCES

- *Pennington JC. 1988. Plant uptake of 2,4,6-trinitrotoluene, 4-amino-2,6-dinitrotoluene, and 2-amino-4,6-dinitrotoluene using ¹⁴C-labeled and unlabeled compounds. Army Engineer Waterways Experiment Station, Vicksburg, MS. Report No. WES/TR/EL-88-20. NTIS AD-A203-690.
- *Perkins RG. 1919. A study of the munitions intoxications in France. US Pub Health Rep 34:2335-2374.
- *Phillips JH, Coraor RJ, Prescott SR. 1983. Determination of nitroaromatics in biosludges with a gas chromatograph/thermal energy analyzer. Anal Chem 55:889-892.
- *Preslan JE, Hatrel BB, Emerson M, et al. 1993. An improved method for analysis of 2,4,6-trinitrotoluene and its metabolites from compost and contaminated soils. Journal of Hazardous Materials 33:329-337.
- Price CJ, Tyl RW, Marks TA, et al. 1985. Teratologic evaluation of dinitrotoluene in the Fischer 344 rat. Fund Appl Toxicol 5:948-961.
- Preiß A, Levsen K, Humpfer E et al. 1996. Application of high-field proton nuclear magnetic resonance (¹HNMR) spectroscopy for the analysis of explosives and related compounds in groundwater samples - a comparison with the high-performance liquid chromatography (HPLC) method. Fresenius J Anal Chem 356:445-451.
- Puacz W, Szahun W, Linke K. 1995. Catalytic determination of sulfide in blood. Analyst 120:939-941.
- Rajnik S, Mitchell W. 1996. Effects of 2,4,6-trinitrotoluene and associated munitions on HSP72/73 production in a human lymphoblast cell line. In Vitro Toxicol 9: 183-190.
- Ramos K, McMahon K, Alipui C, et al. 1991 a. Modulation of aortic smooth muscle cell proliferation by dinitrotoluene. Adv Exp Med Biol 283(Biological Reactive Intermediates 4):805-808.
- Ramos KS, McMahon KK, Alipui C, et al. 1991b. Modulation of DNA synthesis in aortic smooth muscle cells by dinitrotoluenes. Cell Biol Toxicol 7:111-128.
- *Reader SC, Foster P. 1990. The in vitro effects of four isomers of dinitrotoluene on rat Sertoli and Sertoli-germ cell cocultures: Germ cell detachment and lactate and pyruvate production. Toxicol Appl Pharmacol 106:287-294.
- Richard JJ, Junk GA. 1986. Determination of munitions in water using macroreticular resins. Anal Chem 58:723-725.
- Rickert DE. 1982. Metabolism and excretion of 2,6-dinitro[¹⁴C] toluene *in vivo* and in isolated perfused rat livers. Drug Metab Dispos 10:455-458.
- *Rickert DE, Long RM. 1980. Tissue distribution of 2,4-dinitrotoluene and its metabolites in male and female Fischer-344 rats. Toxicol Appl Pharmacol 56:286-293.
- *Rickert DE, Long RM. 1981. Metabolism and excretion of 2,4-dinitrotoluene in male and female Fischer-344 rats after different doses. Drug Metab Dispos 9:226-232.
- *Rickert DE, Long RM, Krakowka S, et al. 1981. Metabolism and excretion of 2,4-(¹⁴C)dinitrotoluene in conventional and axenic Fischer-344 rats. Toxicol Appl Pharmacol 59:574-579.

8. REFERENCES

- *Rickert DE, Schnell SR, Long RM. 1983. Hepatic macromolecular covalent binding and intestinal disposition of 2,4-(14C)dinitrotoluene. *J Toxicol Environ Health* 11:555-568.
- *Rickert DE, Butterworth BE, Popp JA. 1984. Dinitrotoluene: Acute toxicity, oncogenicity, genotoxicity, and metabolism. *CRC Crit Rev Toxicol* 13:217-234.
- Rickert DE, Irons RD, Popp JA, et al. 1986. The effects of diet on the toxicity of nitroaromatic chemicals in rodents. *Dev Toxicol Environ Sci* 12:107-14.
- Rippe JM, Irwin RS, Fink MP, et al., eds. 1996. Intensive care medicine. 3rd ed. Vol II. Boston, MA: Little, Brown and Company, 1606-1607
- Roberts WC, Abernathy CO, Commons BJ. 1995. U.S. drinking water health advisories. Nitrated munitions chemicals. *Toxicol Ecotoxicol ONews* 2:114-119
- Rosenkrantz M, Rosenkrantz HS, Klopman G. 1997. Intercellular communication, tumor promotion and non-genotoxic carcinogenesis: relationships based upon structural considerations. *Mutat Res* 381:171-188.
- *Roth M, Murphy JM. 1979. Evaluation of the ultraviolet-ozone and ultraviolet-oxidant treatment of pink water. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Industrial Environmental Research Laboratory. EPA/600/12. NTIS PB300763.
- Rowland IR, Mallett AK, Wise A, et al. 1983. Effect of dietary carrageenan and pectin on the reduction of nitrocompounds by the rat cecal micro flora. *Xenobiotica* 13:251-256.
- Ryon MG, Pal BC, Talmage SS, et al. 1984. Database assessment of the health and environmental effects of munition waste products. Oak Ridge, TN: Oak Ridge National Laboratory. ORNL-60118. NTIS DE84-016512.
- *Sayama M, Mori M, Shirokawa T, et al. 1989b. Mutagenicity of 2,6-dinitrotoluene and its metabolites, and their related compounds in *Salmonella typhimurium*. *Mutat Res* 226: 181-184.
- Sayama M, Mori MA, Ishida M, et al. 1989a. Enterohepatic circulation of 2,4-dinitrobenzaldehyde, a mutagenic metabolite of 2,4-dinitrotoluene, in male Wistar rat. *Xenobiotica* 19:83-92.
- *Sayama M, Mori MA, Maruyama Y, et al. 1993. Intestinal transformation of 2,6-dinitrotoluene in male Wistar rats. *Xenobiotica* 23:123-131.
- SC DHEC. 1998. South Carolina Department of Health and Environmental Control, Bureau of Air Quality. Regulation no. 62.5 air pollution control standards, standard no. 8 toxic air pollutants.
- Scheibner K, Hofrichter M, Fritsche W. 1997. Mineralization of 2-amino-4,6-dinitrotoluene by manganese peroxidase of the white-rot fungus *Nematoloma frowardii*. *Biotechnology Letters* 19(9):835-839.
- Schiff LJ, Sommer HZ, Davis GT. 1978. Selective reduction of dinitrotoluene isomers by ascorbate ion. Relative rates in homogeneous solution. NTIS AD-A05 1292.
- Schneider K, Hassauer M, Kalberlah F. 1994. Risk assessment of military waste sites. *Umweltwissenschaften und Schadstoff-Forschung* 6:271-276.

8. REFERENCES

- *Schut HAJ, Loeb TR, Grimes LA, et al. 1983. Distribution, elimination, and test for carcinogenicity of 2,6-dinitrotoluene after intraperitoneal and oral administration to strain A mice. *J Toxicol Environ Health* 12:659-670.
- Schut HAJ, Loeb TR, Stoner GD. 1982. Distribution, elimination, and test for carcinogenicity of 2,4-dinitrotoluene in strain A mice. *Toxicol Appl Pharmacol* 64:213-220.
- Schut HAJ, Dixit R, Loeb TR, et al. 1985. In-vivo and in-vitro metabolism of 2,4-dinitrotoluene in strain A mice. *Biochem Pharmacol* 34:969-976.
- *Setchell BP, Waites GMH. 1975. The blood testis barrier. In: Creep RO, Astwood EB, Greiger SR, eds. *Handbook of physiology: Endocrinology V*. Washington, DC: American Physiological Society.
- *Shackelford WM, Keith LH. 1976. Frequency of organic compounds identified in water. Athens, GA: U.S. Environmental Protection Agency, Environmental Research Laboratory. EPA-600/4-76-062.
- Shoji M, Mori M, Kawajiri T, et al. 1987. Metabolism of 2,4-dinitrotoluene, 2,4-dinitrobenzyl alcohol and 2,4-dinitrobenzaldehyde by rat liver microsomal and cytosol fraction. *Chem Pharm Bull* 4:1579-1586.
- Shone MGT, Wood AV. 1974. A comparison of the uptake and translocation of some organic herbicides and a systemic fungicide by barley. I. Absorption in relation to physico-chemical properties. *J Exp Bot* 25:390-400.
- *Short RD, Lee CC. 1980. Effect of some nitrotoluenes on the biotransformation of xenobiotics in rats. *Experimentia (Basel)* 36:100-101.
- Sikora FJ, Behrends LL, Phillips WD et al. 1997. A microcosm study on remediation of explosivescontaminated groundwater using constructed wetland. *Ann N Y Acad Sci* 829:202-218.
- *Simini M, Wentsel RS, Checkai RT, et al. 1995. Evaluation of soil toxicity at Joliet Army Munition Plant. *Environ Toxicol Chem* 14:623-630.
- *Simmon VF, Kauhanen K, Tardiff RG. 1977. Mutagenic activity of chemicals identified in drinking water. In: Scott S, Bridges BA, Sohels FH, eds. *Progress in genetic toxicology*. 249-258.
- *Simmons MS, Zepp RG. 1986. Influence of humic substances on photolysis of nitroaromatic compounds in aqueous systems. *Water Res* 20:899-904.
- *Smith EF II, Smith HJ, Kuchar EJ. 1995. Monitoring of dinitrotoluene and its metabolites in urine by spectrophotometry of their coupled aryldiazonium salts. *Am Ind Hyg Assoc J* 56:1175-1179.
- Smith KN. 1983. Determination of the reproductive effects in mice of nine selected chemicals. National Institute for Occupational Health and Safety contract no. 210-81-6011.
- *Smith RP. 1996. Toxic responses of the blood. In: CD Klassen, MJ Wonsiewicz, LA Sheinis, eds. *Casarett and Doull's toxicology, the basic science of poisons*, 5th ed. New York, NY: Macmillan Publishing Company. 335-354.

8. REFERENCES

- *Soares ER, Lock LF. 1980. Lack of indication of mutagenic effects of dinitrotoluenes and diaminitoluenes in mice. *Environ Mutagen* 2: 111-124.
- *Sohr J, Janes W, Bongartz A. 1995. TLC analysis of nitro compounds in residual warfare site contamination. *Analysis Magazine* 23:M25-M26.
- *Spangford RJ, Mill T, Chou TW, et al. 1980. Environmental fate studies of certain munitions wastewater constituents. Phase II laboratory studies. Final Report. U.S. Army Medical Research and Development Command, Ft. Detrick, MD. Contract no. DAMD 17-78-8081.
- *Spangford RJ, Gibson BV, Keck RG, et al. 1982a. Effluent analysis of wastewater generated in the manufacture of 2,4,6-trinitrotoluene 1. Characterization study. *Environ Sci Technol* 16:229-232.
- *Spangford RJ, Mortelmans KE, Griffin AF, et al. 1982b. Mutagenicity in *Salmonella typhimurium* and structure-activity relationships of wastewater components emanating from the manufacture of trinitrotoluene. *Environ Mutagen* 4:163-179.
- *Spangford RJ, Suta BE. 1982. Effluent analysis of wastewater generated in the manufacture of 2,4,6-trinitrotoluene 2. Determination of a representative discharge of ether extractable components. *Environ Sci Technol* 16:233-236.
- Spiegel K., Welsch T. 1997. Monitoring degradation processes of explosives by HPLC analysis with UV and amperometric detection. *Fresenius J Anal Chem* 357:333-337.
- *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.
- *Stayner LT, Dannenberg AL, Bloom T, et al. 1993. Excess hepatobiliary cancer mortality among munitions workers exposed to dinitrotoluene. *J Occup Med* 35:291-296.
- *Steuckart C, Berger-Preiss E, Levsen K 1994. Determination of explosives and their biodegradation products in contaminated soil and water from former ammunition plants by automated multiple development high-performance thin-layer chromatography. *Anal Chem* 66:2570-2577.
- *Stoner GD, Greisiger EA, Schut AJ, et al. 1984. A comparison of the lung adenoma response in Strain A/J mice after intraperitoneal and oral administration of carcinogens. *Toxicol Appl Pharmacol* 72:3 13-323.
- Struijs J, Stoltenkamp J. 1986. Ultimate biodegradation of 2-, 3- and 4nitrotoluene. *Sci Total Environ* 57:161-170.
- *Styles JA, Cross MF. 1983. Activity of 2,4,6-trinitrotoluene in an in vitro mammalian gene mutation assay. *Cancer Lett* 20:103-108.
- Suen WC, Haigler BE, Spain JC. 1996. 2,4-dinitrotoluene dioxygenase from *Burkholderia* sp. Strain DNT: similarity to naphthalene dioxygenase. *J Bacterial* 178:4926-4934.
- Sundaram K., Witorsch RJ. 1995. Toxic effects of the testes. In: Witorsch, RJ, ed. Target organ toxicology series: Reproductive toxicology. 2nd Edition. New York, New York: Raven Press, 99-121.

8. REFERENCES

- Tas S, Lauwerys R, Lison D. 1996. Occupational hazards for the male reproductive system. *Crit Rev Toxicol* 26:261-307.
- Thompson CR, Kats G, Lennox RW. 1979. Phytotoxicity of air pollutants formed by high explosive production. *Environ Sci Technol* 13:1263-1268.
- *Tokiwa H, Nakagawa R, Ohnishi Y. 1981. Mutagenic assay of aromatic nitro compounds with *Salmonella typhimurium*. *Mutat Res* 91:321-325.
- *Trabalka JR, Garten CT, Jr. 1982. Development of predictive models for xenobiotic bioaccumulation in terrestrial ecosystems. Oak Ridge National Laboratory, Environmental Science Division, Oak Ridge, TN. Publication no. 2037,ORNL-5869.
- *TRI94. 1996. Toxic Chemical Release Inventory. National Library of Medicine, National Toxicology Program, Bethesda, MD.
- *Turner MJ. 1986. Identification and quantification of urinary metabolites of dinitrotoluenes in occupationally exposed humans. *Chemical Industry Institute of Toxicology Activities* 6:1-5.
- *Turner MJ, Jr, Levine RJ, Nystrom DD, et al. 1985. Identification and quantification of urinary metabolites of dinitrotoluenes in occupationally exposed humans. *Toxicol Appl Pharmacol* 80:166-174.
- Urbanski T. 1984. Nitro derivatives of benzene, toluene and aromatics. In: *Chemistry and technology of explosives*. Volume 4. Pergamon Press, Oxford. 151-154.
- USITC. 1983. Synthetic organic chemicals: United States production and sales, 1982. U.S. International Trade Commission, Washington, DC. Publication 1422.
- *USITC. 1987. Synthetic organic chemicals: United States production and sales, 1986. U.S. International Trade Commission, Washington, DC. Publication 2009.
- USITC. 1994. Synthetic organic chemicals: United States production and sales, 1992. U.S. International Trade Commission, Washington, DC. Publication 2720.
- Valli K, Brock B J, Joshi DK et al. 1992. Degradation of 2,4-dinitrotoluene by the lignin-degrading fungus *Phanerochaete chrysosporium*. *Appl Environ Microbiol* 58(1):221-228.
- Vanderlaan M, Watkins BE, Stanker L. 1988. Environmental monitoring by immunoassay. *Environ Sci Technol* 22:247-254.
- *Vemot EH, MacEwen JD, Haun CC, et al. 1977. Acute toxicity and skin corrosion data for some organic and inorganic compounds and aqueous solutions. *Toxicol Appl Pharmacol* 42:417-423.
- *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.
- *VT NRA. 1998. Hazard ambient air standards. Vermont air regulations

8. REFERENCES

- Wallenborg SR, Mañides KE, Nyholm L. 1997. Oxidative and reductive amperometric detection of phenolic and nitroaromatic compounds in packed capillary column supercritical fluid chromatography. *J Chromatogr A* 785:121-128.
- Warner KA, Capone DG. 1997. Degradation of 2,4-dichlorophenol in polyhaline estuarine sediments under toxic and anoxic conditions [Abstract]. 97th General Meeting.
- Waters MD, Stack HF, Jackson MA, et al. 1994. The performance of short-term tests in identifying potential germ cell mutagens: A qualitative and quantitative analysis. *Mutat Res* 34 1:109-131.
- Weisberg CA, Ellickson ML. 1998. Practical modifications to U.S. EPA method 8330 for the analysis of explosives by HPLC. *Am Lab* 30:32N, 32P-32Q, 32S-32v.
- Weiss CF, Glazko AJ, Weston JK. 1960. Chloramphenicol in the newborn infant: A physiologic explanation of its toxicity when given in excessive doses. *N Eng J Med* 262:787-794.
- *West JR, Smith HW, Chasis H. 1948. Glomerular filtration rate, effective renal blood flow, and maximal tubular excretory capacity in infancy. *J Ped* 32a:10-18.
- *Widdowson EM, Dickerson JWT. 1964. Chemical composition of the body. In: Comar CL, Bronner F, eds. *Mineral metabolism: An advanced treatise, Volume II: The elements part A*. New York, NY: Academic Press.
- Wilbourn J, Partensky C, Morgan G. 1996. LARC evaluates printing processes and printing inks, carbon black and some nitro compounds. *Stand J Work Environ Health* 22:154-156.
- *Woodruff RC, Mason JM, Valencia R, et al. 1985. Chemical mutagenesis testing in *Drosophila*. V. Results of 53 coded compounds tested for the National Toxicology Program. *Environ Mutagen* 7:677-702.
- *Woollen BH, Hall MG, Craig R, et al. 1985. Dinitrotoluene: An assessment of occupational absorption during the manufacture of blasting explosives. *Jnt Arch Occup Environ Health* 55:319-330.
- *Working PK, Butterworth BE. 1984. An assay to detect chemically induced DNA repair in rat spermatocytes. *Environ Mutagen* 6:273-286.
- Wyrobek AJ. 1986. Application of human sperm parameters for monitoring. In: Sorsa M, Norppa H, eds. *Progress in clinical and biological research. Volume 207. Monitoring of occupational genotoxicants*. New York, NY: Alan R Liss Inc, 101-120.
- Yinon J. 1989. Metabolic studies of explosives 6. Electron impact and chemical ionization mass spectrometry of metabolites of 2,4-dinitrotoluene. *Biomed Environ Mass Spectrom* 18: 149-156.
- *Yinon J. 1996. Trace analysis of explosives in water by gas chromatography-mass spectrometry with a temperature-programmed injector. *J Chromatogr A* 742:205-209.
- *Yook KS, Hong SM, Kim JH. 1994. Comparison of liquid-liquid extraction and solid-phase extraction coupled with GC/MS for determination of priority pollutants in water. *Anal Sci Technol* 7:441-453.

8. REFERENCES

*Young WS III, Lietman PS. 1978. Chloramphenicol glucoronyl transferase: Assay, ontogeny and inducibility. *J Pharmacol Exp Ther* 204:203-211.

Zhao YH, Lang PZ. 1996. Evaluation of the partitioning of hydrophobic pollutants between aquatic and solid phases in natural systems. *Sci Total Environ* 177: 1-7.

*Ziegler EE, Edwards BB, Jensen RL, et al. 1978. Absorption and retention of lead by infants. *Pediatr Res* 12:29-34.