\*ACGIH. 1971. American Industrial Hygiene Association, Hygienic Guide Series. Am Ind Hyg Assoc J 32:67-71. (Retrieval in progress).

ACGIH. 1971. Documentation of the threshold limit values for substances in workroom air. 3rd ed. American Conference of Governmental Industrial Hygienists, Cincinnati, OH, 79.

\*ACGIH. 1986. Documentation of the threshold limit values and biological exposure indices. 5th ed. American Conference of Governmental Industrial Hygienists, Inc., Cincinnati, OH, 184.

Aldis H, Osborn J, Wolf F. 1983. Investigation of soil and water contamination at Western Processing, King County, Washington. National Conference on Management of Uncontrolled Hazardous Waste Sites:43-53.

Anonymous. 1978. [Reagent hazards]. A&R 16:458-463. (Japanese).

Anonymous. 1981. The central plant of the St. Louis County Water Company. Agua 4:20-24.

\*Badings HT, de Jong C, Dooper RPM. 1985. Automatic system for rapid analysis of volatile compounds by purge-and-cold-trapping/capillary gas chromatography. Journal of High Resolution Chromatography and Chromatography Communications 8:755-763.

Baird R, Gute J, Jacks C, et al. 1980. Health effects of water reuse: A combination of toxicological and chemical methods for assessment. Water Chlorination: Environmental Impact and Health Effects 3:925-935.

Barbari TA, King CJ. 1982. Equilibrium distribution coefficients for extraction of chlorinated hydrocarbons and aromatics from water into undecane. Environ Sci Technol 16:624-627.

\*Barkley J, Bunch J, Bursey JT, et al. 1980. Gas chromatography mass spectrometry computer analysis of volatile halogenated hydrocarbons in man and his environment - a multimedia environmental study. Biomed Mass Spectrom 7:139-147.

Barlow SM, Sullivan FM. 1982. Reproductive hazards of industrial chemicals. An evaluation of animal and human data. London, England: Academic Press Ltd., 273.

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

- \*Barnes D, Bellin J, DeRosa C, et al. 1987. Reference dose (RfD): Description and use in health risk assessments. Volume 1, Appendix A: Integrated risk information system supportive documentation. Cincinnati, OH: US Environmental Protection Agency, Office of Health and Environmental Assessment. EPA 600/a-86/0322.
- \*Barsky JB, Hee SSQ, Clark CS. 1985. An evaluation of the response of some portable, direct-reading 10.2 electron volt and 11.8 electron volt photoionization detectors and a flame ionization gas chromatograph for organic vapors in high humidity atmospheres. Am Ind Hyg Assoc J 46:9-14.
- Bayer CW, Black MS, Galloway LM. 1988. Sampling and analysis techniques for trace volatile organic emissions from consumer products. J Chromatogr Sci 26:168-173.
- \*Bellar TA, Budde WL, Eichelberger JW. 1979. The identification and measurement of volatile organic compounds in aqueous environmental samples. IN: Schuetzle D, ed. Monitoring toxic substances. American Chemical Society Symposium Series No. 94. Washington, DC: American Chemical Society, 49-62. ISBM o-8412-0480-2.
- \*Blanchard RD, Hardy JK. 1985. Use of a permeation sampler in the collection of 23 volatile organic priority pollutants. Anal Chem 57:2349-2351.
- \*Blanchard RD, Hardy JK. 1986. Continuous monitoring device for the collection of 23 volatile organic priority pollutants. Anal Chem 58:1529-1532.
- Brass HJ. 1982. Procedures for analyzing organic contaminants in drinking water. Am Water Works Assoc J 74:107-112.
- \*Brodzinsky R, Singh HB. 1983. Volatile organic chemicals in the atmosphere: An assessment of available data. Menlo Park, CA: Atmospheric Science Center. SRI International. Report to U.S. Environmental Protection Agency, Environmental Sciences Research Laboratory, Research Triangle Park, N.C. by SRI International, Atmospheric Sciences Center, Menlo Park, CA.
- \*Bronzetti G, Galli A, Vellosi R, et al. 1987. Genetic activity of chlorinated ethanes [Abstract]. Eur J Cancer Clin Oncol 23:1737-1738.
- Brown JR. 1970. The effect of environmental and dietary stress on the concentration of l,l-bis(4-chlorophenyl)-2,2,2-trichloroethane in rats. Toxic Appl Pharmacol 17:504-510.
- \*Browning E. 1965. Toxicity and metabolism of industrial solvents. New York, NY: Elsevier Science Publishing Co., Inc., 247-252.

\*Bruckner JV. 1989. Written communication (June 2). Peer review comments on the Toxicological Profile for l,l-Dichloroethane.

\*Bruner F, Bertoni G, Crescentini G. 1978. Critical evaluation of sampling and gas chromatographic analysis of halocarbons and other organic air pollutants. J Chromatogr 167:399-407.

Callahan MA, Ehreth DJ, Levins PL. 1979. Sources of toxic pollutants found in influent to sewage treatment plants. Proceedings of the National Conference on Municipal Sludge Management 8:55-61.

CASR. 1989. Chemical Activity Status Report. US Environmental Protection Agency, Chemical Information System (CIS), Baltimore, MD. December 9, 1988.

Castello G, Gerbino TC, Kanitz S. 1982. Gas chromatographic analysis of halocarbons in drinking water by headspace extraction and mixed column separation. J Chromatogr 247:263-272.

Castello G, Gerbino TC, Kanitz S. 1986. Sensitivity and linearity of headspace and liquid-liquid extraction techniques for gas chromatographic analysis of halocarbons in water. J Chromatogr 351:165-175.

Chang LW, Pereira MA, Klaunig JE. 1985. Cytotoxicity of halogenated alkanes in primary cultures of rat hepatocytes from normal, partially hepatectomized, and preneoplastic/neoplastic liver. Toxic01 Appl Pharmacol 80:274-283.

CHEMFATE. 1988. CHEMFATE Database. Syracuse Research Corporation, Syracuse, NY. December 9, 1988.

CHEMLINE. 1988. National Library of Medicine, National Toxicology Information Program, Bethesda, MD. December 9, 1988.

CHRIS. 1984. l,l-Dichloroethane. Hazard assessment handbook. Vol. 1, Washington, DC: US Coast Guard, Department of Transport.

Clement Associates I. 1985. l,l-Dichloroethane. In: Chemical, physical and biological properties of compounds present at hazardous waste sites Report to US Environmental Protection Agency, Office Response.

\*Cline PV, Viste DR. 1985. Migration and degradation patterns of volatile organic compounds. Waste Management and Research 3:351-360.

\*CLP. 1989. Contract laboratory program statistical database. US Environmental Protection Agency, August 17, 1988

\*Colacci A, Arfellini G, Mazzullo M, et al. 1985. Genotoxicity of l,l-dichloroethane. Research Communications in Chemical Pathology and Pharmacology 49:243-254.

- \*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.
- \*Comba ME, Kaiser KLE. 1983. Determination of volatile contaminants at the ng.l-1 level in water by capillary gas chromatography with electron capture detection. Int J Environ Anal Chem 16:17-31.
- \*Coniglio WA, Miller K, MacKeever D. 1980. The occurrence of volatile organics in drinking water. Briefing for the Deputy Assistant Administrator for Drinking water, March 1980. (Retrieval in progress).
- Conkle JP, Camp BJ, Welch BE. 1975. Trace composition of human respiratory gas. Arch Env Health 30:290-295.
- \*Contract Laboratory Program Statistical Database. 1988. US Environmental Protection Agency, Contract Laboratory Program, Washington, DC.
- \*Cramer PH, Boggess K, Hosenfeld JM, et al. 1988. Determination of organic chemicals in human whole blood: Preliminary method development for volatile organics. Bull Environ Contam Toxic01 40:612-618.
- \*Daft JL. 1988. Rapid determination of fumigant and industrial chemical residues in food. J Assoc Off Anal Chem 71:748-760.
- Dallenback-Toelke K, Nyiredy S, Meier B, et al. 1986. Optimization of overpressured layer chromatography of polar, naturally occurring compounds by the "PRISMA" model. J Chromatogr 365:63-72.
- Deneer JW, Sinnige TL, Seinen W, et al. 1988. The joint acute toxicity to Daphnia magna of industrial organic chemicals. Aquatic Toxicology 12:33-38;
- Dever RJ. 1986 Responding to industrial contamination of groundwater. A case study. J Am Water Works Assoc 78:82-86.
- de Zeeuw J, de Nijs RCM, Henrick LT. 1987. Adsorption chromatography on PLOT (porous-layer open-tubular) columns: A new look at the future of capillary GC. J Chromatogr Sci 25:71-83.
- \*Dilling WL. 1977. Interphase transfer processes. II. Evaporation rates of chloromethanes, ethanes, ethylenes, propanes, and propylenes from dilute aqueous solutions. Comparisons with theoretical predictions. Environ Sci Technol 11:405-409.
- \*Dilling WL, Tefertiller NB, Kallos GJ. 1975. Evaporation rates and reactivities of methylene chloride, chloroform, l,l,l-trichloroethane, trichloroethylene, tetrachloroethylene, and other chlorinated compounds in dilute aqueous solutions. Environ Sci Technol 9:833-837.

- \*DiVincenzo GD, Krasavage WJ. 1974. Serum ornithine carbamyl transferase as a liver response test for exposure. Am Ind Hyg Assoc J 35:21-29.
- \*Dreisch FA, Munson TO. 1983. Purge-and-trap analysis using fused silica capillary column gas chromatography-mass spectrometry. J Chromatogr Sci 21:111-118.
- \*Driscoll JN, Duffy M, Pappas S, et al. 1987. Analysis for purgeable organics in water by capillary GC/PID-EICD. J Chromatogr Sci 25:369-375.

Easley DM, Kleopfer RD, Carasea AM. 1981. Gas chromatographic-mass spectrometric determination of volatile organic compounds in fish. J Assoc Off Anal Chem 64:653-656.

Elskamp DMW. 1981. Toxicology of 1,1-dichloroethane. NTIS no PB82-182809.

\*EPA 1980. Ambient water quality criteria for chlorinated ethanes. Washington, DC: US Environmental Protection Agency, Office of Water Regulations and Standards, Criteria and Standards Division. EPA 440/5-80-029.

EPA. 1980 . Water sample analysis-vinyl acetate spill pump-out well with attached it enviroscience analytical report HK-239. Environmental Protection Agency, Washington, DC: US Office of Transportation and Safety. EPA/OTS no 88-8000345.

EPA. 1982. Fate and effects of methylene chloride in activated sludge. Washington, DC: US Environmental Protection Agency, Office of Transportation and Safety. EPA/OTS no 87821130.

EPA. 1984. Health effects assessment for 1,1-dichloroethane. Cincinnati, OH: US Environmental Protection Agency, Office of Research and Development. EPA 540/l-86/027.

\*EPA. 1985. Health and environmental effects profile for dichloroethane. Cincinnati, OH: US Environmental Assessment. EPA 600/X-85/359.

EPA. 1985. Results of analytical data with attached tables. Washington, DC: US Environmental Protection Agency, Office of Transportation and Safety. FYI-OTS-0185-0375.

EPA. 1985. Comments to reports of groundwater contamination at Pfaudler plant site with attached hydrogeologic report. Washington, DC: US Environmental Protection Agency, Office of Transportation and Safety. FYI-OTS-0485-0375.

\*EPA. 1986a. Reference values for risk assessment (final draft). Cincinnati, OH: US Environmental Protection Agency. ECAO-CIN-477.

\*EPA. 1986b. Test methods for evaluating solid waste: Physical and chemical methods. Washington, DC: US Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA SW-846., 8010.1--8010.4; 8240.1--8240.6.

\*EPA. 1987. US Environmental Protection Agency. Code of Federal Regulations. 40 CFR 136.

\*EPA. 1988. US Environmental Protection Agency. Code of Federal Regulations. 40 CFR 302.

EPA. 1988a. US Environmental Protection Agency. Code of Federal Regulations. 40 CFR 261.

EPA. 1988. US Environmental Protection Agency. Federal Register., 22300-22325.

EPA. 1989. Health effects assessment summary tables. Washington, DC: US Environmental Protection Agency, Office of Solid Waste and Emergency Response. March, 1989.

\*EPA. 1989. Interim Methods for Development of Inhalation Reference Doses. US Environmental Protection Agency, Office of Health and Environmental Assessment. Washington, DC. DPA 600/8-88/066F.

Fabbri A, Crescentini G, Mangani F, et al. 1987. Advances in the determination of volatile organic solvents and other organic pollutants by gas chromatography with thermal desorption sampling and injection. Chromatographia 23:856-860.

Fabricant JD, Chalmers JH Jr. 1980. Evidence of the mutagenicity of ethylene dichloride and structurally related compounds. IN: Ames B, Infante P, Reitz R, ed. Ethylene dichloride: A potential health risk. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory, 309-322.

\*Ferrario JB, Lawler GC, DeLeon IR, et al. 1985. Volatile organic pollutants in biota and sediments of Lake Pontchatrain. Bull Environ Contam Toxicol 34:246-255.

Fielding M, Gibson TM, James HA, et al. 1981. Organic micropollutants in drinking water. Medminham, England: Water Research Centre. Technical Report 159., 49.

\*FSTRAC. 1988. Summary of state and federal drinking water standards and guidelines. Chemical Communication Subcommittee, Federal-State Toxicology and Regulatory Alliance Committee (FSTRAC) data base, Washington, DC, March 1988.

Fusillo TV, Hochreiter JJ Jr, Lord DG. 1985. Distribution of volatile organic compounds in a New Jersey coastal plain aquifer system. Ground Water 23:354-360.

Garman JR, Freund T, Lawless EW. 1987. Testing for groundwater contamination at hazardous waste sites. J Chromatogr Sci 25:328-337.

Gentry SJ, Walsh PT. 1987. Eight-hour TWA personal monitoring using a diffusive sampler and short-term stain tube. Am Ind Hyg Assoc J 48:287-292.

\*Giabbai M, Roland L, Chian ESK. 1983. Trace analysis of organic priority pollutants by high-resolution gas chromatography and selective detectors (FID, ECD, NPD, and MS-DS): Application to municipal wastewater and sludge samples. Chromatography in Biochemistry Medicine and Environmental Research 13:41-52.

Gombar VK. 1987. Quantitative structure-activity relationship studies: Acute toxicity of environmental contaminants. QSAR in Environmental Toxicology, Proceedings of the International Workshop 2:125-133.

Gossett JM. 1987. Measurement of Henry's law constant for Cl and C2 chlorinated hydrocarbons. Environ Sci Technol 21:202-206.

\*Gossett RW, Brown DA, Young DR. 1983. Predicting the bioaccumulation of organic compounds in marine organisms using octanol/water partition coefficients. Marine Pollution Bulletin 14:387-392.

Gould JP, Ramsey RE, Giabani M, et al. 1983. Formation of volatile haloorganic compounds in the chlorination of municipal landfill leachates. Water Chlorination, Environmental Impact and Health Effects 4:525-539.

\*Grayson M. 1978. Kirk-Othmer encyclopedia of chemistry and technology. Vol. 5, 3rd ed. New York, NY: John Wiley and Sons, Inc., 722.

Griesemer R-4, Cueto C Jr. 1980. Toward a classification scheme for degrees of experimental evidence for the carcinogenicity of chemicals for animals. Molecular and cellular aspects of carcinogen screening tests. Vol. 27, Lyon, France: IARC Scientific Publications, 259-281.

Grilli S, Colacci A, Mazzullo M, et al, 1985. Binding of l,l-dichloroethane to macromolecules of rat and mouse organs [Abstract]. Eur J Cancer Clin Oncol 21:1385.

\*Grimsrud EP, Rasmussen RA. 1975. Survey and analysis of halocarbons in the atmosphere by gas chromatography- mass spectrometry. Atmos Environ 9:1014-1017.

Gryder-Boutet DE, Kennish JM. 1987. Trace volatile organic analysis of water and wastewater utilizing headspace sampling with capillary column GC/MS. Proceeding -- Water Quality Technology Conference 14:679-688.

\*Gupta KC, Ulsamer AG, Gammage R. 1984. Volatile organic compounds in residential air: Levels, sources and toxicity. Proceedings of the 77th Air Pollution Control Association Annual Meeting 1:9.

Hall DW. 1984. Volatile organic contamination in an alluvial aquifer, Southington, Connecticut. Hazardous Wastes Environmental Emergency: Management, Prevention, Cleanup Control. Silver Spring, MD: Hazardous Materials Control Research Institute, 190-197.

\*Hallen RT, Pyne JR Jr., Molton PM. 1986. Transformation of chlorinated ethenes and ethanes by anaerobic microorganisms. In: Proceedings of 192<sup>nd</sup> national meeting: ACS Division of Environmental Chemistry, Vol. 26, 344-346.

Hamilton A, Hardy HL ed. 1974. Industrial Toxicology. 3rd ed. Acton, MA: Publishing Sciences Group, Inc., 284.

\*Hara K, Nagata T, Kishimoto E, et al. 1980. Gas chromatographic/mass spectrometric demonstration of chlorinated aliphatic hydrocarbons in biological materials. Nippon Hoigaku Zasshi 34:507-512.

Harkov R, Jenks J, Ruggeri C. 1987. Volatile organic compounds in the ambient air near a large, regional sewage plant in New Jersey. Proceedings of the 80th Air Pollution Control Association Annual Meeting., 1-16.

\*Hatch GG, Mamay PD, Ayer ML, et al. 1983. Chemical enhancement of viral transformation in Syrian hamster embryo cells. Cancer Research 43:1945-1950.

Hatch G, Anderson T, Elmore E, et al. 1983. Status of enhancement of DNA viral transformation for determination of mutagenic and carcinogenic potential of gaseous and volatile compounds [Abstract]. Environ Mutag 5:422.

Hauser TR, Bromberg SM. 1982. EPA's monitoring program at Love Canal 1980. Environmental Monitoring and Assessment 2:249-271.

\*Herren-Freund SL, Pereira MA. 1986. Carcinogenicity of by-products of disinfection in mouse and rat liver. Environ Health Perspect 69:59-65.

Hess AF, Jakob PG, Hurlburt V et al. 1986. Protecting the Fort Lauderdale wellfields from groundwater contamination. Proceedings of the Annual Conference of american Water Works Association:565-571.

\*Hiatt MH. 1981. Analysis of fish and sediment for volatile priority pollutants. Anal Chem 53:1541-1543.

\*Hiatt MH. 1983. Determination of volatile organic compounds in fish samples by vacuum distillation and fused silica capillary gas chromatography/mass spectrometry. Anal Chem 55:506-516.

\*Hoefler F, Schneider J, Moeckel HJ 1986. Analytical investigations on the composition of gaseous effluents from a garbage dump. I. General data, sampling technique, and analysis of low boiling halogenated compounds. Fresnius Z Anal Chem 325:365-368.

\*Hofmann HT, Birnstiel H, Jobst P. 1971. [Inhalation toxicity of l,l- and 1,2-dichloroethane]. Arch Toxikol 27:248-265. (German).

Hoerner G, Kuehn W, Leonhardt D. 1982. [Continuous monitoring of water using process chromatography - determination of halogenated hydrocarbons]. Vom Wasser 59:115-128. (German).

\*Howard CJ, Evenson KM. 1976. Rate constants for the reactions of OH with ethane and some halogen substituted ethanes at 296 K. J Chem Phys 64:4303-4306.

\*HSDB. 1988. Hazardous Substances Databank. National Library of Medicine, National Toxicology Information Program, Bethesda, MD. December 9, 1988.

Ichibashi M. 1979. [The real status of air pollution. 2. Atmospheric organic compounds in Kawasaki]. Kanagawa-ken Taiki Osen Chosa Kenkyu Hokoku 21:131-143. (Japanese).

\*Infante PF, Tsongas TA. 1982. Mutagenic and oncogenic effects of chloromethanes. Chloromethanes and halogenated analogues of vinyl chloride. Environmental Science Research 25:301-327.

International Technical Information Institute (ITII). Toxic and hazardous industrial chemicals safety manual. Tokyo, Japan: International Technical Information Institute, 164-165.

\*IRIS. 1990. Integrated risk information systems. Environmental Protection Agency. Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, Ohio.

Jaeger RJ, Conolly RB, Reynolds ES, et al. 1975. Biochemical toxicology of unsaturated halogenated monomers. Environmental Health Perspectives 11:121-128.

\*Jeffers PM, Ward LM, Woytowitch LM, Wolfe NL. 1989. Homogeneous hydrolysis rate constants for selected chlorinated methanes, ethanes, ethenes, and propanes. Environ Sci Technol 23:965-969.

Jensen S, Lange R, Berge G, et al. 1975. On the chemistry of EDC-tar and its biological significance in the sea. Proc R Sot Lond B 1989:333-346.

\*Jerpe J, Davis A. 1987. Ambient capillary chromatography of volatile organics with a portable gas chromatograph. J Chromatogr Sci 25:154-157.

Josephson J. 1983. Subsurface organic contaminants. Environ Sci Technol 17:518A-521A.

- Jury WA, Winer AM, Spencer WF, et al. 1987. Transport and transformations of organic chemicals in the soil-air-water ecosystem. Reviews of Environmental Contamination and Toxicology 99:119-164.
- \*Kallonen R, von Wright A, Tikkanen L, et al. 1985. The toxicity of fire effluents from textiles and upholstery materials. Journal of Fire Science 3:145-160.
- \*Kelley RD. 1985. Synthetic organic compounds sampling survey of public water supplies. Report to US Environmental Protection Agency, Washington, DC, by Iowa Department of Water, Air, and Waste Management, Des Moines, IA. NTIS no PB85-214427., 38.
- Khourey CJ, Mohr ET, Gifford G, et al. 1984. Purgeable organic compounds in northeast Ohio groundwater. Trace Substances and Environmental Health 18:397-402.
- \*Kim HJ, Odend'hal S, Bruckner JV. 1990a. Effect of oral dosing vehicles on the acute hepatotoxicity of carbon tetrachloride in rats. Toxic01 Appl Pharmacol 102:34-49.
- \*Kim HF, Bruckner JV, Dallas CE, et al. 1990b. Effect of dosing vehicles on the pharmacokinetics of orally administered carbon tetrachloride in rats. Toxic01 Appl Pharmacol 102:5060.
- \*Kingsley BA, Gin C, Coulson DM, et al. 1983. Gas chromatographic analysis of purgeable halocarbon and aromatic compounds. Water Chlorination: Environmental Impact and Health Effects 4:593-608.
- Kinkead ER, Leahy HF. 1987. Evaluation of the acute toxicity of selected groundwater contaminants. Armstrong Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, OH. AAMRL-TR-87-021.
- \*Klaunig JE, Ruth RJ, Pereira MA. 1986. Carcinogenicity of chlorinated methane and ethane compounds administered in drinking water to mice. Environmental Health Perspectives 69:89-95.
- Koch R. 1982. Molecular connectivity and acute toxicity of environmental pollutants. Chemosphere 11:925-931.
- \*Konietzko H. 1984. Chlorinated ethanes: Sources, Distribution, Environmental Impact, and Health Effects. Hazard Assessment Chemicals: Current Developments 3:401-448.
- \*Krasner SW, Hwang CJ, Cohen RS, et al. 1981. Development of a volatile organic analysis technique for the Orange-Los Angeles County reuse study. Chemistry of Water Reuse 2:17-31.

Kretzschmar JG, Peperstraete H, Rymen T. 1976. Air pollution in and around Tessenderlo (the Netherlands). Extern 5:147-178.

\*Krill RM, Sonzogni WC. 1986. Chemical monitoring of Wisconsin's groundwater. Journal of the American Water Works Association 78:70-75.

Krost KJ, Pellizzari ED, Walburn SG, et al. 1982. Collection and analysis of hazardous organic emissions. Anal Chem 54:810-817.

Kurosaki H, Ohizumi T, Tominaga Y, et al. 1985. Determination of low boiling organochlorine compounds in groundwater by headspace gas chromatography. Niigata Rikagaku 11127-32.

Lattanzi G, Colacci A, Grilli S, et al. 1988. Binding of hexachloroethane to biological macromolecules from rat and mouse organs. J Toxic01 Environ Health 24:403-411.

Lazarew NW. 1929. [The narcotic effect of the vapors of the chloride derivatives of methane, ethane, and ethylene]. Archiv fuer Experimentelle Pathologie und Pharmakologie 141:19-24. (German).

Leong BKJ, Schwetz BA, Gehring PJ. 1974. carbon tetrachloride, Embryo- and fetotoxicity of inhaled l,l- dichloroethane and methyl ethyl ketone in rats [Abstract]. Toxic01 Appl Pharmacol 29:123.

\*Lopez-Avila V, Wood R, Flanagan M, et al. 1987a. Determination of volatile priority pollutants in water by purge and trap and capillary column gas chromatography/mass spectrometry. J Chromatogr Sci 25:286-291.

\*Lopez-Avila V, Heath N, Hu A. 1987b. Determination of purgeable halocarbons and aromatics by photoionization and hall electrolytic conductivity detectors connected in series. J Chromatogr Sci 25:356-363.

\*Mabey WR, Smith JH, Pod011 TT, et al. 1982. Aquatic fate process data for organic priority pollutants. Report to US Environmental Protection Agency, Office of Water Regulations and Standards,, Washington, DC, by Syracuse Research Institute Intl SO. EPA 440/4-81-014.

Matter-Muller C, Gujer W, Giger W. 1981. Transfer of volatile substances from water to the atmosphere. Water Research 15:1271-1279.

\*McCall SN, Jurgens P, Ivanetich KM. 1983. Hepatic microsomal metabolism of the dichloroethanes. Biochem Pharmacol 32:207-213.

McCann J, Horn L, Girman J, et al. 1987. Potential risks from exposure to organic carcinogens in indoor air. Environmental Science Research 36:325-354.

\*McCarty PL, Siegrist H, Vogel TM, et al. 1986. Biotransformation of groundwater contaminants. Report to Fairchild Semiconductor Corporation, by Department of Civil Engineering, Stanford University, Stanford, CA. Technical Report no 298.

McDonald TJ, Kennicutt MC II, Brooks JM. 1988. Volatile organic compounds at a coastal Gulf of Mexico site. Chemosphere 17:123-136.

McNally ME, Grob RL. 1983. Determination of the solubility limits of organic priority pollutants by gas chromatographic headspace analysis. J Chromatogr 260:23-32.

McNally ME, Grob RL. 1984. Headspace determination of solubility limits of the base neutral and volatile components from the Environmental Protection Agency's list of priority pollutants. J Chromatogr 284:105-116.

Mehran MF, Cooper WJ, Jennings W. 1984. The use of coupled columns for the capillary gas chromatographic separation. Journal of High Resolution Chromatography and Chromatography Communications 7:215-217.

\*Mehran M, Cooper WJ, Mehran M, et al. 1986. Comparison of direct headspace and aqueous injection techniques for halogenated hydrocarbons in water. J Chromatogr Sci 24:142-146.

\*Mehran M, Mehran MF, Cooper WJ. 1985 Application of capillary gas chromatography for water pollution analysis. Studies in Environmental Science 29:723-743.

Meyers VK. 1983. Chemicals which cause birth defects - teratogens: A special concern of research chemists. Sci Total Environ 32:1-12.

Miller HC, James RH, Dickson WR, et al. 1981. Evaluation of methodology for the survey analysis of solid wastes. American Society for Testing Materials Special Technical Publication 760:240-266.

\*Miller KW, Paton WDM, Smith EB. 1965. Site of action of general anaesthetics GA. Nature 206:575-577.

Milman HA, Mitoma C, Tyson C, et al. 1986. Carcinogenicity studies with chlorinated aliphatics [Abstract]. 14th International Cancer Congress. Union Internationale Contre le Cancer, Budapest, Hungary., 305.

\*Mitoma C, Steeger T, Jackson SE, et al. 1985. Metabolic disposition study of chlorinated hydrocarbons in rats and mice. Drug Chem Toxic01 8:183-194.

Morgan A, Black A, Belcher DR. 1972. Absorption of halogenated hydrocarbons and their excretion in breath using chlorine-38 tracer techniques. Ann Occup Hyg 15:273-283.

Mosesman NH, Sidisky LM, Corman SD. 1987. Factors influencing capillary analyses of volatile pollutants. J Chromatogr Sci 25:351-355.

Muller J. 1925. [Comparative investigations of the narcotic and toxic effect of some hydrocarbon halides]. Archiv fuer Experimentelle Pathologie und Pharmakologie 109:276-294. (German).

Nakajima T, Sato A. 1979. Enhanced activity of liver drug-metabolizing enzymes from aromatic and chlorinated hydrocarbons following food deprivation. Toxicol Appl Pharmacol 50:549-556.

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

\*NATICH. 1988. National Air Toxics Information Clearinghouse (NATICH) database. US Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC. July, 1988.

\*National Occupational Exposure Survey (1980-1983) Database. 1984. US Department of Health and Human Services, National Institute for Occupational Safety and Health, Cincinnati, OH.

\*National Occupational Hazard Survey (1970) Database. 1976. US Department of Health and Human Services, National Institute of Occupational Safety and Health, Cincinnati, OH.

\*NCI. 1977. Bioassay of l,l-dichloroethane for possible carcinogenicity. Bethesda, MD: National Cancer Institute. NIH publication No. 78-1316.

Nellor MH, Baird RB, Garrison WE. 1982. Health effects of water reuse by groundwater recharge. Proceedings of the Water Reuse Symposium 3:2138-2166.

Nelson GO, Harder CA. 1974. Respirator cartridge efficiency studies: V. Effect of solvent vapor. Amer Ind Hyg Ass J 35:391-410.

Nelson GO, Harder CA. 1976. Respirator cartridge efficiency studies: VI. Effect of concentration. Am Ind Hyg Assoc J 37:205-216.

Nikitin YS, Viryasov MB. 1986. Gas chromatography of low molecular weight halocarbons on macroporous silica modified by a thin liquid phase film. Chromatographia 21:681-686.

\*NIOSH. 1978. Occupational health guidelines for l,l-dichloroethane. Occupational health guidelines for chemical hazards. Washington, DC: US Department of Labor, National Institute for Occupational Safety and Health, 1-4.

- \*NIOSH. 1985. NIOSH pocket guide to chemical hazards. Cincinnati, OH: US Department of Health and Human Services, National Institute for Occupational Safety and Health, 98-99.
- \*NIOSH. 1987. NIOSH manual of analytical methods. Vol. 1-7, 2 ed. Washington, DC: US Department of Labor, National Institute for Occupational Safety and Health, 1003.1-1003.6.
- \*Nohmi T, Miyata R, Yoshikawa K, et al. 1985. [Mutagenicity tests on organic chemical contaminants in city water and related compounds: I. Bacterial mutagenicity tests]. Bulletin of National Hygiene Science 103:60-64. (Japanese).
- Oda J, Maeda I, Ichidkawa S, et al. 1987. [Studies on the analytical methods of organic chemicals in air. 1. Determination and identification of volatile chlorinated organic compounds at ppb level in air by gas chromatography-mass spectrometry]. Okayama-ken Kankyo Hoken Senta Nenpo 11:60-68. (Japanese).
- \*OHM, TADS. 1988. Oil and Hazardous Materials/Technical Assistance Data System. US Environmental Protection Agency, Chemical Information Service (CIS), Bethesda, MD. December 9, 1988.
- \*OSHA. 1988. US Department of Labor, Occupational Safety and Health Administration. Code of Federal Regulations. 40 CFR 1910.1000.
- OSHA . 1988. US Department of Labor, Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1910.20.
- \*Otson R, Williams DT. 1981. Evaluation of a liquid-liquid extraction technique for water pollutants. J Chromatogr 212:187-198.
- \*Otson R, Williams DT. 1982. Headspace chromatographic determination of water pollutants. Anal Chem 54:942-946.
- \*Otson R, Chan C. 1987. Sample handling and analysis for 51 volatile organics by an adapted purge and trap GC-MS technique. Int J Environ Anal Chem 30:275-287.
- Otson R, Williams DT, Bothwell PD. 1982. Volatile organic compounds in water at thirty Canadian potable water treatment facilities. J Assoc Off Anal Chem 65:1370-1374.
- \*Pankow JF, Rosen ME. 1988. Determination of volatile compounds in water by purging directly to a capillary column with whole column cryotrapping. Environ Sci Technol 22:398-405.
- \*Parker JC, Casey GE, Bahlman LJ, et al. 1979. Chloroethanes: Review of Toxicity. Am Ind Hyg Assoc J 40:A46-A57.

\*Pellizzari ED. 1978. Quantification of chlorinated hydrocarbons in previously collected air samples. Report to US Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC, by Research Triangle Park Institute, Research Triangle Park, NC. EPA 450/3-78-112., 151.

\*Pellizzari ED. 1982. Analysis for organic vapor emissions near industrial and chemical waste disposal sites. Environ Sci Technol 16:781-785.

Pellizzari ED, Erickson MC, Zweidinger RA. 1979. Formulation of preliminary assessment of halogenated organic compounds in man and environmental media. Washington, DC: U.S. Environmental Protection Agency.

\*Perwak J, Byrne M, Goyer M, et al. 1982. Exposure and risk assessment for dichloroethanes. l,l-Dichloroethane, 1,2-dichloroethane. Report to US Environmental Protection Agency, Office of Water Regulations and Standards, Washington, DC, by Arthur D. Little, Inc., Cambridge, MA. EPA 440/4-85-009., 197.

Pfannhauser W, Thaller A. 1985. [Determination of halogenated solvent residues in water, wastewater, feeds, and food]. Fresenius Z Anal Chem 322:220-222. (German).

\*Plaa GL, Larson RE. 1965. Relative nephrotoxic properties of chlorinated methane, ethane, and ethylene derivatives in mice. Toxic01 Appl Pharmacol 7:37-44.

\*Plumb RI-I Jr. 1987. A comparison of groundwater monitoring data from CERCLA and RCRA sites. Ground Water Monitoring Review 7:94-100.

Potapov AA, Potapova ZG, Medvedev MA. 1976. The effect of adrenal insufficiency on the gallbladder motility. Fiziol Zh SSSR Im I M Sechenova 62:1691-1697. (Russian).

Radeleff RD, Bushland RC. 1950. Acute toxicity of chlorinated insecticides applied to livestock. J Econo Entomol 43:358-364.

Rawlings GD, Samfield M. 1979. Toxicity of secondary effluents from textile plants. Symposium Proceedings of Process Measurements for Environmental Assessment. EPA 600/7-78-168., 153-169.

\*Reding R. 1987. Chromatographic monitoring methods for organic contaminants under the Safe Drinking Water Act. J Chromatogr Sci 25:338-344.

\*Reinert RH, Hunter JV, Sabatino T. 1983. Dynamic heated headspace analyses of volatile organic compounds present in fish tissue samples. J Agric Food Chem 31:1057-1060.

- \*Reinhardt CF, Azar A, Maxfield ME, et al. 1971. Cardiac arrhythmias and aerosol "sniffing." Arch Environ Health 22:265-279.
- \*Reynolds ES, Kanz MF, Chieco P, et al. 1984. l,l-Dichloroethylene: A n apoptotic hepatotoxin? Env Health Pespect 57:313-320.
- \*Riccio E, Griffin A, Mortelmans K, et al. 1983. A comparative mutagenicity study of volatile halogenated hydrocarbons using different metabolic activation systems. Environ Mut 5:472.
- \*RIDH. 1989. Written communication regarding l,l-dichloroethane detected in private well water and public drinking water. Providence, RI: Rhode Island Department of Health (June 19).

Robinson BG, Hales IB, Henniker AJ, et al. 1987. The effect of o-, p'-DDD on adrenal steroid replacement therapy requirements. Clin Enoderinol 27:437-444.

\*RTECS. 1988. Registry of Toxic Effects of Chemical Substances. National Library of Medicine, National Toxicology Information Program, Bethesda, MD. December 9, 1988.

Salmon AG, Jones RB, Mackrodt WC. 1981. Microsomal dechlorination of chloroethanes: Structure-reactivity relationships. Xenobiotica 11:723-734.

Sato A, Nakajima T. 1979. Enhanced activity of liver drug-metabolizing enzymes following chronic ethanol consumption and starvation. Arh Hig Rada Toksikol 30:645-651.

- \*Sato A, Nakajima T. 1987. Pharmacokinetics of organic solvent vapors in relation to their toxicity. Stand J Work Environ Health 13:81-93. Sato K, Tanaka H. 1987. Degradation and metabolism of a fungicide, 2,4,5,6-tetra-chloroisophthalonitrile (TPN) in soil. Biol Fertil Soils 3:205-209.
- \*Sate A, Nakajima T, Koyama Y. 1980. Effects of chronic ethanol consumption on hepatic metabolism of aromatic and chlorinated hydrocarbons in rats. Br J Ind Med 37:382-386.

Schneider M, Wolfrum J. 1986. Mechanisms of by-product formation in the dehydrochlorination of 1,2-dichloroethane. Ber Bunsen Ges Phys Chem 90:1058-1062.

\*Schwetz BA, Leong BKJ, Gehring PJ. 1974. Embryo-and fetotoxicity of inhaled carbon tetrachloride, l,l-dichloroethane and methyl ethyl ketone in rats. Toxicol Appl Pharmacol 28:452-464.

Scott DR, Dunn WJ III, Emery SL. 1987. Classification and identification of hazardous organic compounds in ambient air by pattern recognition of mass spectral data. Environ Sci Technol 21:891-897.

Seaman CV, Hill LO, Vignon BW, et al. 1983. Halogenated organic study at selected Tennessee Valley Authority fossil- fueled power plants. Environmental Impact and Health Effects, Part 1: Chemistry and Water Treatment. Proceedings of the 4th Conference, Pacific Grove, CA, October 18- 23, 1981. Ann Arbor, MI: Ann Arbor Science Publishers., 373-382.

Senser DW, Cundy VA. 1987. Gas chromatographic determination of Cl and C2 chlorinated hydrocarbon species in combustion products. Hazardous Waste and Hazardous Materials 4:99-110.

Seybold PG, May MA, Gargas ML. 1986. On the physical properties of halogenated hydrocarbons. Acta Pharm Jugosl 36:253-265.

Siddiqui MKJ, Saxena MC, Krishna Murti CR. 1981. Storage of DDT and BHC in adipose tissue of Indian males. Int J Environ Anal Chem 10:197-204.

Silverman L, Reece GM, Drinker P. 1939. A new vapor pressure instrument for determining organic solvents in air. Journal of Industrial Hygiene and Toxicology 21:270-278.

\*Simmon VF, Kauhanen K, Tardiff RG. 1977. Mutagenic activity of chemicals identified in drinking water. J Dev Toxic01 Environ Sci 2:249-258.

Sims RC, Sims JL, DuPont RR. 1987. Human health effects assays. J Water Pollut Control Fed 59:601-614.

\*Singh HB, Salas LJ, Smith AJ, et al. 1981. Measurements of some potentially hazardous organic chemicals in urban environments. Atmos Environ 15:601-612.

\*Singh HB, Salas LJ, Stiles R, et al. 1983. Measurements of hazardous organic chemicals in the ambient atmosphere. Report to US Environmental Protection Agency, Office of Research and Development, Research Triangle Park, NC, by SRI International, Menlo Park, CA. EPA 600/3-83-002.

\*Smyth HF Jr. 1956. Improved communication: Hygienic standards for daily inhalation. American Industrial Hygiene Association Quarterly., 129-195.

Snider EH, Manning FS. 1982. A survey of pollutant emission levels in wastewaters and residuals from the petroleum refining industry. Environment International 7:237-258.

Spain MA, Middleditch BS, Bafus DA, et al. 1985. Dehydrohalogenation of atmospheric contaminants in the space cabin. Aviat Space Environ Med 56:262-264.

Spasovski M, Stancev S, Nosko M, et al. 1984. [Changes in some biochemical indices in workers exposed to vinyl chloride and dichloroethane]. Problemi na higienata 9:50-58. (Russian).

Spielmann H. 1986. [Evaluation of embryototoxic properties of industrial chemicals]. Geburtsh U Frauenheilk 46:335-339. (German).

\*Staples CA, Werner AF, Hoogheem TJ. 1985. Assessment of priority pollutant concentrations in the United States using STORET database. Environmental Toxicology and Chemistry 4:131-142.

Stewart RD, Gay HH, Schaffer AW, et al. 1969. Experimental human exposure to methyl chloroform vapor. Arch Environ Health 19:467-472.

Stottmeister E, Hendel P, Engewald W. 1986. [Gas-chromatographic trace analysis of highly volatile halocarbons in waters with simultaneous ECD/FID detection]. Acta Hydrochim Hydrobiol 14:463-474. (German).

Stuart JD. 1983. Organics transported thru selected geologic media: Assessment of organics transported away from industrial waste disposal sites. Report to US Department of the Interior, Office of Water Research and Technology, Washington, DC, by University of Connecticut, Institute of Water Resources, Storrs, CT. NTIS PB83-224246., 37.

\*Suffet IH, Brenner L, Cairo PR. 1980. Gas chromatography-mass spectrometry identification of trace organics in Philadelphia, Pennsylvania, USA, drinking waters during a 2-year period. Water Res 14:853-867.

\*Tabak HH, Quave SA, Mashni CI, et al. 1981. Biodegradability studies with organic priority pollutant compounds. J Water Pollut Control Fed 53:1503-1518.

Thienes C, Haley TJ, ed. 1972. Clinical toxicology. 5th ed. Philadelphia, PA: Lea and Febiger, Co., 150. Thompson JA, Ho B, Mastovich SL. 1984. Reductive metabolism of 1,1,1,2-tetrachloroethane and related chloroethanes. Chem Biol Interact 51:321-333.

Thompson JA, Ho B, Mastovich SL. 1985. Dynamic headspace analysis of volatile metabolites from the reductive dehalogenation of trichloro- and tetrachloroethanes by hepatic microsomes. Anal Biochem 145:376-384.

\*Tomasi A, Albano E, Bini A, et al. 1984. Free radical intermediates under hypoxic conditions in the metabolism of halogenated carcinogens. Toxicol Path01 12:240-246.

Torkelson TR, Rowe VK. 1981-1982. l,l-Dichloroethane. IN: Clayton GD, Clayton FE, ed. Patty's industrial hygiene and toxicology. Vol. 2A, 2B, 2C, New York, NY: John Wiley and Sons, Inc., 3488-3490.

- Truhaut R. 1971. [Present condition of the problem of permissible or tolerable limits for potentially toxic chemicals in occupational environment]. Arch Ma1 Prof 32:353-370. (French).
- \*Trussell AR, Moncur JG, Lieu FY, et al. 1983. New developments in dynamic headspace analysis of halogenated organics. Water Chlorination: Environmental Impact Health Effects 4:583-592.
- \*Tu AS, Murray TA, Hatch KM, et al. 1985. In vitro transformation of BALB/c-3T3 cells by chlorinated ethanes and ethylenes. Cancer Lett 28:85-92. Tyson CA. 1987. Correspondence of results from hepatocyte studies with in vivo response. Toxic01 Ind Health 3:459-478.
- \*Uehori R, Nagata T, Kimura K, et al. 1987. Screening of volatile compounds present in human blood using retention indices in gas chromatography. J Chromatogr 411:251-257.
- \*Van Dyke RA, Wineman CG. 1971. Enzymatic dechlorination: Dechlorination of chloroethanes and propanes in vitro. Biochem Pharmacol 20:463-470.
- \*Verschueren K. 1983. Handbook of environmental data on organic chemicals. 2nd ed. New York, NY: Van Nostrand Reinhold Co., 486.
- \*VIEW database. 1989. Agency for Toxic Substances and Disease Registry (ATSDR), Office of External Affairs, Exposure and Disease Registry Branch, Atlanta, GA. June 20, 1989. (Map based on VIEW Database, June 12, 1989).
- \*Wallace L, Zweidinger R, Erickson M, et al. 1982. Monitoring individual exposure. Measurements of volatile organic compounds in breathing air, drinking water, and exhaled breath. Environment International 8:269-282. (Retrieval in progress)
- \*Vogel TM, McCarty PL. 1987. Abiotic and biotic transformations of l,l,l-trichloroethane under methanogenic conditions. Environ Sci Technol 2i:i208-1213.
- \*Wallace LA, Pellizzari E, Harwell T, et al. 1984. Personal exposure to volatile organic compounds. I. Direct measurements. Environ Res 35:293-319.
- Watanabe Y . 1983. [Studies on biological effects of hydrocarbons. III. Chlorinated hydrocarbons]. Kanagawa-ken Taiki Osen Chosa Kenkyu Hokoku 25:146-152. (Japanese).
- Weisburger EK. 1977. Carcinogenicity studies on halogenated hydrocarbons. Environ Health Perspect 21:7-16.
- \*Weiss G. 1986. Hazardous chemicals databook. 2nd ed. Park Ridge, NJ: Noyes Data Corporation, 359.

- Welch RM, Levin W, Kuntzman R, et al. 1971. Effect of halogenated hydrocarbon insecticides on the metabolism and uterotropic action on estrogens in rats and mice. Toxic01 Appl Pharmacol 19:234-246.
- \*Westrick JJ, Mello JW, Thomas RF. 1984. The groundwater supply survey. J Amer Water Works Assoc 76:52-59.
- \*Wilson JT, McNabb JF, Wilson BH, et al 1983. Biotransformation of selected organic pollutants in groundwater. Dev Ind Microbiology 241225-233.
- \*Windholz M. 1983. The Merck index. 10th ed. Rahway, NJ: Merck and Co., Inc., 552.
- \*Wood PR, Lang RF, Payan IL. 1985. Anaerobic transformation, transport, and removal of volatile chlorinated organics in ground water. In: Ward CH, Giger W, ed. Ground water quality. New York, NY: John Wiley and Sons, 493-511.
- \*Wylie PL. 1987. A comparison of headspace purge and trap techniques for the analysis of volatile priority pollutants. Proceedings of the Water Quality Technology Conference 14:185-202.
- \*Wylie PL. 1988. Comparing headspace with purge and trap for analysis of volatile priority pollutants. American Water Works Association 80:65-72.
- \*Yang RSH, Rauckman EJ. 1987. Toxicological studies of chemical mixtures of environmental concern at the National Toxicology Program: Health Effects of Groundwater Contaminants. Toxicology 47:15-34.
- \*Young DR, Gossett RW, Baird RB, et al. 1983. Wastewater inputs and marine bioaccumulation of priority pollutant organics off Southern California. Water Chlorination: Environmental Impact and Health Effects 4:871-884.
- Zakhari S, Aviado DM. 1982. Cardiovascular toxicology of aerosol propellants refrigerants and related solvents. IN: Van Stee EW, ed. Cardiovascular Toxicology. New York, NY: Raven Press, 281-326.
- Zaki MH. 1986. Groundwater contamination with synthetic organic compounds and pesticides. Northeastern Environmental Science 5:15-22.
- \*Zweidinger R, Erickson M, Cooper S, et al. 1982. Direct measurement of volatile organic compounds in breathing-zone air, drinking water, breath, blood, and urine. Research Triangle Park, NC: US Environmental Protection Agency. EPA 600/4-82-015.