REFERENCES

Abraham WR, Hoffmann HMR, Kieslich K, Reng G, Stumpf B (1985) Microbial transformation of some monoterpenoids and sesquiterpenoids. Ciba Foundation symposium, III:146-160.

Alden CL (1986) A review of unique male rat hydrocarbon nephropathy. Toxicologic pathology, 14:109-111.

Alden CL, Kanerva RL, Ridder G, Stone LC (1984) Pathogenesis of the nephrotoxicity of volatile hydrocarbons in the male rat. In: Advances in modern environmental toxicology. Vol. VII. Princeton, NJ, Princeton Scientific Publ., pp. 107-120.

Altshuller AP (1983) Review: Natural volatile organic substances and their effect on air quality in the United States. Atmospheric environment, 17(11):2131-2165.

Anderson BE, Zeiger E, Shelby MD, Resnick MA, Gulati DK, Ivett JL, Loveday KS (1990) Chromosome aberration and sister chromatid exchange test results with 42 chemicals. Environmental and molecular mutagenesis, 16:55-137.

Arey J, Atkinson R, Aschmann SM (1990) Product study of the gas-phase reactions of monoterpenes with the OH radical in the presence of NO_x . Journal of geophysical research, 95(D11):18539-18546.

Arey J, Winer AM, Atkinson R, Aschmann SM, Long WD, Morrison CL, Olszyk DM (1991) Terpenes emitted from agricultural species found in California's Central Valley. Journal of geophysical research, 96(D5):9329-9336.

Ariyoshi T, Arakaki M, Ideguchi K, Ishizuka Y, Noda K, Ide H (1975) Studies on the metabolism of d-limonene (p-mentha-1,8-diene). III. Effects of d-limonene on the lipids and drug metabolizing enzymes in rat livers. Xenobiotica, 5:33-38.

Atkinson R (1990) Gas-phase tropospheric chemistry of organic compounds: a review. Atmospheric environment, 24A(1):1-41.

Atkinson R, Carter WPL (1984) Kinetics and mechanisms of gas-phase reactions of ozone with organic compounds under atmospheric conditions. Chemical reviews, 84:437-470.

Atkinson R, Aschmann SM, Winer AM, Pitts JN Jr (1984) Kinetics of the gas-phase reactions of NO_3 radicals with a series of dialkenes, cycloalkenes, and monoterpenes at 295 \pm 1 K. Environmental science and technology, 18:370-375.

Atkinson R, Hasegawa D, Aschmann SM (1990) Rate constants for the gas-phase reactions of O_3 with a series of monoterpenes and related compounds at 296 \pm 2 K. International journal of chemical kinetics,

22:871-887.

Austin CA, Shepard EA, Pike SF, Rabin BR, Phillips IR (1988) The effect of terpenoid compounds on cytochrome P-450 levels in rat liver. Biochemical pharmacology, 37:2223-2229.

Bagley DM, Gardner JR, Holland G, Lewis RW, Regnier J-F, Stringer DA, Walker AP (1996) Skin irritation: Reference Chemicals Data Bank. Toxicology in vitro, 10:1–6.

Barber LB, Thurman EM, Schroeder MP (1988) Long-term fate of organic micropollutants in sewage-contaminated groundwater. Environmental science and technology, 22:205-211.

Becker KH, Brockmann KJ, Bechara J (1990) Production of hydrogen peroxide in forest air by reaction of ozone with terpenes. Nature, 346:256-258.

Beerman H, Fond ∈ GH, Callaway JL (1938) Citrus fruit dermatoses. Archives of dermatology and syphilology (Chicago), 38:225-234.

Bertsch W, Chang RC, Zlatkis A (1974) The determination of organic volatiles in air pollution studies: characterization of profiles. Journal of chromatographic science, 12:175-182.

Bertsch W, Anderson E, Holzer G (1975) Trace analysis of organic volatiles in water by gas chromatography-mass spectrometry with glass capillary columns. Journal of chromatography, 122:701-718.

Bianchi AP, Varney MS, Phillips J (1991) Analysis of volatile organic compounds in estuarine sediments using dynamic head space and gas chromatography-mass spectrometry. Journal of chromatography, 542:413-450.

Birmingham DJ, Campbell PC Jr, Doyle HN, McDonald JM (1951) Investigation of occupational dermatoses in the citrus fruit canning industry. Archives of industrial hygiene and occupational medicine, 3:57-63.

Borghoff SJ, Miller AB, Bowen P, Swenberg JA (1991) Characteristics of chemical binding to $alpha2_{\mu}$ -globulin in vitro - evaluating structure-activity relationships. Toxicology and applied pharmacology, 107:228-238.

Button DK, $J_{\ddot{u}}$ ttner F (1989) Terpenes in Alaskan waters: concentrations, sources, and the microbial kinetics used in their prediction. Marine chemistry, 26:57-66.

Cachao P, Menezes Brandao F, Carmo M, Frazao S, Silva M (1986) Allergy to oil of turpentine in Portugal. Contact dermatitis, 14:205-208.

Calnan CD (1979) Allergy to dipentene in paint thinner. Contact

dermatitis, 5:123-124.

Carlsson H, Andersson-Sköld Y, Antonsson A-B, Solyom P (1991) [Limonene - a solution of the environmental problems.] Swedish Environmental Research Institute (Report B 1030) (in Swedish, with English summary).

Chan CC, Vainer L, Martin JW, Williams DT (1990) Determination of organic contaminants in residential indoor air using an adsorption-thermal desorption technique. Journal of the Air & Waste Management Association, 40:62-67.

Chemical Daily (1994) [12394 chemical products.] pp. 1214-1215 (in Japanese).

Chemical Daily (1995) [12695 chemical products.] p. 1245 (in Japanese).

Ciccoioli P, Cecinato A, Brancaleoni E, Frattoni M (1992) Identification and quantitative evaluation of $C_{4-}C_{14}$ volatile organic compounds in some urban, suburban and forest sites in Italy. Fresenius environmental bulletin, 1:73-78.

Ciccoioli P, Brancaleoni E, Cecinato A, Sparapani R, Frattoni M (1993) Identification and determination of volatile organic compounds in forest areas of Northern and Southern Europe and remote sites of the Himalaya region by high-resolution gas chromatography-mass spectrometry. Journal of chromatography, 643(1/2):55-69.

Clegg RJ, Middleton B, Duncan Bell G, White DA (1980) Inhibition of hepatic cholesterol synthesis and S-3-hydroxy-3-methylglutaryl-CoA reductase by mono and bicyclic monoterpenes administered in vivo. Biochemical pharmacology, 29:2125-2127.

Clement B, Riba ML, Leduc R, Haziza M, Torres L (1990) Concentration of monoterpenes in a maple forest in Quebec. Atmospheric environment, 24A(9):2513-2516.

Connor TH, Theiss JC, Hanna HA, Monteith DK, Matney TS (1985) Genotoxicity of organic chemicals frequently found in the air of mobile homes. Toxicology letters, 25:33-40.

Cook SP (1992) Influence of monoterpene vapors on spruce spider mite, Oligonychus ununguis, adult females. Journal of chemical ecology, 18(9):1497-1504.

Cronin E, ed. (1980) Contact dermatitis. London, Churchill Livingstone, pp. 532-534.

Crowell PL, Elegbede JA, Elson CE, Lin S, Vedejs E, Cunningham D, Bailey HH, Gould MN (1992) Human metabolism of orally administered d-limonene. Proceedings of the American Association for Cancer Research, 33:524.

De Bortoli M, Knöppel H, Pecchio E, Peil A, Rogora L, Schauenburg H, Schlitt H, Vissers H (1986) Concentrations of selected organic pollutants in indoor and outdoor air in Northern Italy. Environment international, 12:343-350.

Desideri P, Lepri L, Checchini L (1991) Organic compounds in seawater and pack ice in Terra Nova Bay (Antarctica). Annales de Chimie (Paris), 81:395-416.

Dhavalikar RS, Bhattacharayya PK (1966) Microbial transformation of terpenes: Part VIII - Fermentation of limonene by a soil pseudomonad. Indian journal of biochemistry, 3:144-157.

Dietrich DR, Swenberg JA (1991) The presence of $alpha2_{\mu}$ -globulin is necessary for d-limonene promotion of male rat kidney tumors. Cancer research, 51:3512-3521.

Dimitriades B (1981) The role of natural organics in photochemical air pollution - issues and research needs. Journal of the Air Pollution Association, 31(3):229-235.

Dreisbach RH, Robertson WO (1987) Handbook of poisoning: prevention, diagnosis & treatment, 12th ed. Norwalk, CT, Appleton & Lange, 589 pp.

Eitzer BD (1995) Emissions of volatile organic chemicals from municipal solid waste composting facilities. Environmental science and technology, 29:896-902.

Evans DL, Miller DM, Jacobsen KL, Bush PB (1987) Modulation of immune responses in mice by d-limonene. Journal of toxicology and environmental health, 20:51-66.

Fahrig R (1984) Genetic mode of action of cocarcinogens and tumor promoters in yeast and mice. Molecular & general genetics, 194:7-14.

Falk A, Gullstrand E, Löf A, Wigaeus Hjelm E (1990) Liquid/air partition coefficients of four terpenes. British journal of industrial medicine, 47:62-64.

Falk A, Fischer T, Hagberg M (1991) Purpuric rash caused by dermal exposure to d-limonene. Contact dermatitis, 25:198-199.

Falk Filipsson A, $L_{\mathcal{O}}f$ A, Hagberg M, Wigaeus Hjelm E, Wang Z (1993) d-Limonene exposure to humans by inhalation: Uptake, distribution, elimination, and effects on the pulmonary function. Journal of toxicology and environmental health, 38:77-88.

Fehsenfeld F, Calvert J, Fall R, Goldan J, Guenther AB, Hewitt CN, Lamb B, Liu S, Trainer M, Westberg H, Zimmerman P (1992) Emissions of volatile organic compounds from vegetation and implications for atmospheric chemistry. Global geochemical cycles, 6(4):389-430.

Fellin P, Otson R (1993) Seasonal trends of volatile organic compounds (VOCs) in Canadian homes. In: Saarela K, Kalliokoski P, Seppänen O, eds. Indoor air '93. Vol. 2. Chemicals in indoor air, material emissions. Proceedings of the 6th International Conference on Indoor Air Quality, held in Helsinki, 4-8 July 1993, pp. 117-122.

Fielding M, Gibson TM, James HA, McLoughlin K, Steel CP (1981) Organic micropollutants in drinking water. Medmenham, Water Research Centre, Environmental Protection (Technical Report TR 159).

Fischer A, ed. (1986) Contact dermatitis, 3rd ed. London, Churchill Livingstone, pp. 421-422, 582-583.

Fjelstad PE, Wolbaek T (1992) A national exposure database. In: Brown RH, Curtis M, Saunders KJ, Vandendriessche S, eds. Clean air at work, New trends in assessment and measurement for the 1990s. Cambridge, Royal Society of Chemistry, pp. 303-310.

Flavor and Extract Manufacturers Association (1991) d-Limonene monograph. Washington, DC, pp. 1-4.

Florida Chemical Co. (1991) Marketing data sheet: d-Limonene. Lake Alfred, FL.

Florin I, Rutberg L, Curvall M, Enzell CR (1980) Screening tobacco smoke constituents for mutagenicity using the Ames test. Toxicology, 18:219-232.

Gäb S, Hellpointner E, Turner WV, Korte F (1985) Hydroxymethyl hydroperoxide and bis(hydroxymethyl) peroxide from gas-phase ozonolysis of naturally occurring alkenes. Nature, 316:535-536.

Gomez-Belinchon JI, Grimalt JO, Albaigès J (1991) Volatile organic compounds in two polluted rivers in Barcelona (Catalonia, Spain). Water research, 25(5):577-589.

Grief N (1967) Cutaneous safety of fragrance material as measured by the Maximization Test. American perfumer and cosmetics, 82:54-57.

Grosjean D, Williams EL, Seinfeld JH (1992) Atmospheric oxidation of selected terpenes and related carbonyls: gas-phase carbonyl products. Environmental science and technology, 26(8):1526-1533.

Grosjean D, Williams EL, Grosjean E, Andino JM, Seinfeld JH (1993) Atmospheric oxidation of biogenic hydrocarbons: reaction of ozone with beta-pinene, d-limone and trans-caryophyllene. Environmental science and technology, 27(13):2754-2758.

Guin J, Meyer B, Drake R, Haffley P (1984) The effect of quenching

agents on contact urticaria caused by cinnamic aldehyde. Journal of the American Academy of Dermatology, 1:45-51.

Haag KH (1986) Effects of herbicide application on mortality and dispersive behaviour of the water hyacinth weevils, Neochetina eichhorniae and Neochetina bruchi (Coleoptera: Curculionidae). Environmental entomology, 15:1192-1198.

Hakola H, Arey J, Aschmann SM, Atkinson R (1994) Product formation from the gas-phase reactions of OH radicals and O_3 with a series of monoterpenes. Journal of atmospheric chemistry, 18:75-102.

Halder CA, Holdsworth CE, Cockrell BY, Piccirillo VJ (1985) Hydrocarbon nephropathy in male rats: Identification of the nephrotoxic components of unleaded gasoline. Toxicology and industrial health, 1:67-87.

Harwood SH, Moldenke AF, Berry RE (1990) Toxicity of peppermint monoterpenes to the variegated cutworm (Lepidoptera: Noctuidae). Journal of economic entomology, 83(5):1761-1767.

Haworth S, Lawlor T, Mortelmans K, Speck W, Zeiger E (1983) Salmonella mutagenicity test results for 250 chemicals. Environmental mutagenesis, 1:3-142.

Helmig D, Arey J (1992) Organic chemicals in the air at Whitaker's Forest/Sierra Nevada Mountains, California. Science of the total environment, 112:233-250.

Helmig D, Müller J, Klein W (1989) Volatile organic substances in a forest atmosphere. Chemosphere, 19(8/9):1399–1412.

Hiatt MH (1983) Determination of volatile organic compounds in fish samples by vacuum distillation and fused silica capillary gas chromatography/mass spectrometry. Analytical chemistry, 55:506-516.

Hink WF, Fee BJ (1986) Toxicity of d-limonene, the major component of citrus peel oil, to all life stages of the cat flea Ctenocephalides felis (Siphonaptera: Pulicidae). Journal of medical entomology, 23(4):400-404.

Hutte RS, Williams EJ, Staehelin J, Hawthorne SB, Barkley RM, Sievers RE (1984) Chromatographic analysis of organic compounds in the atmosphere. Journal of chromatography, 302:173-179.

IARC (1993) Some naturally occurring substances: food items and constituents, heterocyclic aromatic amines and mycotoxins. Lyon, International Agency for Research on Cancer, pp. 135-162 (IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Vol. 56).

Igimi H, Nishimura M, Kodama R, Ide H (1974) Studies on the metabolism

of d-limonene (p-mentha-1,8-diene). I. The absorption, distribution and excretion of d-limonene in rats. Xenobiotica, 4:77-84.

Igimi H, Hisatsugu T, Nishimura M (1976) The use of d-limonene preparation as a dissolving agent of gallstones. Digestive diseases and science, 21:926-939.

Igimi H, Tamura R, Toraishi K, Yamamoto F, Kataoka A, Ikejiri Y, Hisatsugu T, Shimura H (1991) Medical dissolution of gallstones. Clinical experience of d-limonene as a simple, safe and effective solvent. Digestive diseases and science, 36:200-208.

loffe BV, Isidorov VA, Zenkevich IG (1977) Gas chromatographic-mass spectrometric determination of volatile organic compounds in an urban atmosphere. Journal of chromatography, 142:787-795.

loffe BV, Isidorov VA, Zenkevich IG (1979) Certain regularities in the composition of volatile organic pollutants in the urban atmosphere. Environmental science and technology, 13(7):864-868.

IPCS (1993) International Chemical Safety Card - d-Limonene. Geneva, World Health Organization, International Programme on Chemical Safety (No. 0918).

IPCS (1994) Assessing health risks of chemicals: Derivation of guidance values for health-based exposure limits. Geneva, World Health Organization, International Programme on Chemical Safety (Environmental Health Criteria 170).

Janson R, Kristensson J (1991) Sampling and analysis of atmospheric monoterpenes. Stockholm, Stockholm University (Report CM-79).

JECFA (1993a) Limonene. In: Toxicological evaluation of certain food additives and naturally occurring toxicants. Geneva, World Health Organization, Joint FAO/WHO Expert Committee on Food Additives, pp. 35-79 (WHO Food Additives Series 30).

JECFA (1993b) Limonene. In: Toxicological evaluation of certain food additives and contaminants. Annex 4. Geneva, World Health Organization, Joint FAO/WHO Expert Committee on Food Additives, pp. 299-301 (WHO Food Additives Series 32).

Josefsson C (1993) Limonene. In: Health effects of selected chemicals. Vol. 2. Copenhagen, Nordic Council of Ministers, pp. 105-135 (Nord 29).

 $J_{\ddot{u}}$ ttner F (1986) Analysis of organic compounds (VOC) in the forest air of the southern Black Forest. Chemosphere, 15(8):985-992.

 $J_{\ddot{u}}ttner\ F$ (1988) Quantitative analysis of monoterpenes and volatile organic pollution products (VOC) in forest air of the southern Black

Forest. Chemosphere, 17(2):309-317.

Kanerva RL, Alden CL (1987a) Review of kidney sections from a subchronic d-limonene oral dosing study conducted by the National Cancer Institute. Food and chemical toxicology, 25:355-358.

Kanerva RL, Ridder GM, Lefever FR, Alden CL (1987b) Comparison of short-term renal effects due to oral administration of decalin or d-limonene in young adult male Fischer-344 rats. Food and chemical toxicology, 25:345-353.

Karlberg A-T, Lindell B (1993) Limonene. In: Beije B, Lundberg P, eds. Criteria documents from the Nordic Expert Group 1993. Solna, National Institute of Occupational Health, Nordic Council of Ministers, pp. 207–247 (Arbete och Hälsa 35).

Karlberg A-T, Boman A, Melin B (1991) Animal experiments on the allergenicity of d-limonene - the citrus solvent. Annals of occupational hygiene, 35:419-426.

Karlberg A-T, Magnusson K, Nilsson U (1992) Air oxidation of d-limonene (the citrus solvent) creates potent allergens. Contact dermatitis, 26:332-340.

Karlberg A-T, Shao LP, Nilsson U, Gäfvert E, Nilsson JLG (1994) Hydroperoxides in oxidized d-limonene identified as potent contact allergens. Archives for dermatological research, 286:97-103.

Karr LL, Coats JR (1988) Insecticidal properties of d-limonene. Journal of pesticide science, 13:287-290.

Karr LL, Coats JR (1992) Effect of four monoterpenoids on growth and reproduction of the German cockroach (Blattodea: Blattellidae). Journal of economic entomology, 85(2):425-429.

Karr LL, Drewes CD, Coats JR (1990) Toxic effects of d-limonene in the earthworm Eisenia foetida (Savigny). Pesticide biochemistry and physiology, 36:175-186.

Keith LH, Garrison AW, Allen FR, Carter MH, Floyd TL, Pope JD, Thruston AD Jr (1976) Identification of organic compounds in drinking water from thirteen U.S. cities. In: Keith LH, ed. Identification and analysis of organic pollutants in water. Ann Arbor, MI, Ann Arbor Science Publ., pp. 329-373.

Klecak G, Geleick H, Noda K, Ide H (1977) Screening of fragrance materials for allergenicity in the guinea pig. I. Comparison of four testing methods. Journal of the Society of Cosmetic Chemists, 28:53-54.

Klöpffer W, Haag F, Kohl E-G, Frank R (1988) Testing of the abiotic degradation of chemicals in the atmosphere: The smog chamber approach.

Ecotoxicology and environmental safety, 15:298-319.

Kodama R, Yano T, Furukawa K, Noda K, Ide H (1976) Studies on the metabolism of d-limonene (p-mentha-1,8-diene). IV. Isolation and characterization of new metabolites and species differences in metabolism. Xenobiotica, 6:377-389.

Kodama R, Okubo A, Araki E, Noda K, Ide H, Ikeda T (1977a) Studies on d-limonene as a gallstone solubilizer (VII). Effects on development of mouse fetuses and offspring. (Japan) Oyo Yakuri, 13:863-873.

Kodama R, Okubo A, Sato K, Araki E, Noda K, Ide H, Ikeda T (1977b) Studies on d-limonene as a gallstone solubilizer (IX). Effects on development of rabbit fetuses and offspring. (Japan) Oyo Yakuri, 13:885-898.

Koe LCC, Ng WJ (1987) Identification of odorous gases originating from refuse waste. Water, air, and soil pollution, 33:199-204.

Lacy MJ, Kent CR, Voss EW (1987) d-Limonene: An effective vasodilator for use in collecting rabbit blood. Laboratory animal science, 37(4):485-487.

Lamb B, Guenther A, Gay D, Westberg H (1987) A national inventory of biogenic hydrocarbon emissions. Atmospheric environment, 21(8):1695-1705.

Larson RA, Marley KA (1988) Sunlight photochlorination and dark chlorination of monoterpenes. Science of the total environment, 77:245-252.

Lehman-McKeeman LD, Caudill D (1992) Biochemical basis for mouse resistance to hyaline droplet nephropathy: lack of relevance of the alpha2 μ -globulin protein superfamily in this male rat specific syndrome. Toxicology and applied pharmacology, 112:214-221.

Lehman-McKeeman LD, Rodriguez PA, Takigiku R, Caudill D, Fey ML (1989) d-Limonene induced male rat specific nephrotoxicity: Evaluation of the association between d-limonene and $alpha2\mu$ -globulin. Toxicology and applied pharmacology, 99:250-259.

Lehman-McKeeman LD, Rodriguez MI, Caudill D (1990) Lysosomal degradation of $alpha2_{\mu}$ -globulin and $alpha2_{\mu}$ -globulin-xenobiotic conjugates. Toxicology and applied pharmacology, 103:539-548.

Maisey J, Miller K (1986) Assessment of the ability of mice fed on vitamin A diet to respond to a variety of potential contact sensitizers. Contact dermatitis, 15:17-23.

Maltzman TH (1991) Anticarcinogenic mechanism of action of dietary limonene during the initiation stage of DMBA-induced mammary carcinogenesis. Dissertation abstracts international, 51:4283B. Maltzman TH, Cristou M, Gould MN, Jefcoate CR (1991) Effects on monoterpenoids on in vivo DMBA-DNA adduct formation and on phase I hepatic metabolizing enzymes. Carcinogenesis, 12:2081-2087.

Massaldi HA, King CJ (1973) Simple technique to determine solubilities of sparingly soluble organics: solubility and activity coefficients of d-limonene, n-butylbenzene, and n-hexyl acetate in water and sucrose solutions. Journal of chemical and engineering data, 18(4):393-397.

McCreary JJ, Jackson JG, Zoltec J (1983) Toxic chemicals in an abandoned phenolic waste site. Chemosphere, 12 (11/12):1619-1632.

MITI (1992) Biodegradation and bioaccumulation data of existing chemicals based on the CSCL Japan compiled under the supervision of Chemical Products Safety Division, Basic Industries Bureau, Ministry of International Trade and Industry, Japan. Ministry of International Trade and Industry, Chemicals Inspection & Testing Institute (ISBN 4-89074-101-1).

Mohsen ZH, Al-Chalabi BM, Kassir JT (1989). Factors influencing the larvicidal activity of limonene against Culex quinquefasciatus Say (Dipt., Culicidae). Journal of applied entomology, 108:107-110.

Montgomery D, Kalman DA (1989) Indoor/outdoor air quality: Reference pollutant concentrations in complaint-free residences. Applied industrial hygiene, 4(1):17-20.

National Board of Occupational Safety and Health (1993) Occupational exposure limit value. Solna (Ordinance AFS, Vol. 3).

Nilsson U, Bergh M, Shao LP, Karlberg A-T (1996) Analysis of contact allergenic compounds in oxidized d-limonene. Chromatographia, 42(3/4):199-205.

Nolting F, Zetzsch C (1988) Das ozon-bildungspotential des biogenen alfa-pinens in vergleich mit anthropogenen kohlenwasserstoffen. In: GSF-Bericht 17/88, International Symposium "Verteilung Wirkung Photooxidantien Alpenraum." Neuherberg, Forschungszentrum für Umwelt und Gesundheit, pp. 623-628.

NTP (1990) Toxicology and carcinogenesis studies of d-limonene in F344/N rats and B6C3F_{1 mice.} Springfield, VA, US Department of Health and Human Services, National Institutes of Health, National Toxicology Program (NTP Technical Report No. 347).

OECD (1981) OECD guidelines for testing of chemicals. Paris, Organisation for Economic Co-operation and Development.

OECD (1993) Guidelines for testing of chemicals. Guideline 404, Acute dermal irritation/corrosion. Adopted 1981, upgraded 1992. Paris, Organisation for Economic Co-operation and Development.

Okabe H, Obata Y, Takayama K, Nagai T (1990) Percutaneous absorption enhancing effect and skin irritation of monocyclic monoterpenes. Drug design and delivery, 6:229-238.

Opdyke DLJ (1978) Monographs on fragrance raw materials. Food and cosmetics toxicology, Special issue IV, 16 (Suppl.):809.

Page BD, Conacher HBS, Salminen J (1993) Survey of bottled drinking water sold in Canada. Part 2. Selected volatile organic compounds. Journal of the Association of Official Analytical Chemists International, 76(1):26-31.

Passino DRM, Smith SB (1987) Acute bioassays and hazard evaluation of representative contaminants detected in Great Lakes fish. Environmental toxicology and chemistry, 6:901-907.

Paxéus N, Robinson P, Balmér P (1992) Study of organic pollutants in municipal wastewater in Göteborg, Sweden. Water science and technology, 25(11):249-256.

Pellizzari ED, Hartwell TD, Harris BSH III, Wadell RD, Whitaker DA, Erickson MD (1982) Purgeable organic compounds in mother's milk. Bulletin of environmental contamination and toxicology, 28:322-328.

Peters RJB, Duivenbode JAD, Duyzer JH, Verhagen HLM (1994) The determination of terpenes in forest air. Atmospheric environment, 28(15):2413-2419.

Petersson G (1988) High ambient concentrations of monoterpenes in a Scandinavian pine forest. Atmospheric environment, 22(11):2617-2619.

Pienta RJ (1980) Evaluation and relevance of the Syrian hamster embryo cell system. Applied methods in oncology, 3:149-169.

Ridder GM, von Bargen EC, Alden CL, Parker RD (1990) Increased hyaline droplet formation in male rats exposed to decalin is dependent on the presence of alpha- 2μ -globulin. Fundamental and applied toxicology, 15:732-743.

Roberts JM, Hahn CJ, Fehsenfeld FC, Warnock JM, Albritton DL, Sievers RE (1985) Monoterpene hydrocarbons in the nighttime troposphere. Environmental science and technology, 19(4):364-369.

Roth L (1990) Wassergefährende Stoffe (WGK). Landsberg, Ecomed Verlag mbh.

Rycroft RJG (1980) Allergic contact dermatitis from dipentene in honing oil. Contact dermatitis, 6:325-329.

Sauer TC Jr (1981) Volatile organic compounds in open ocean and

coastal surface waters. Organic geochemistry, 3:91-101.

Schenk J, Däbränte Z, Koch H, Stolte M (1980) Untersuchungen zur Geweberträglichkeit von D-Limonen als einem Läsungsmittel cholesterinreicher Gallensteine. Zeitschrift für Gastroenterologie, 18:389-394.

Schwartz L (1938) Cutaneous hazards in the citrus fruit industry. Archives of dermatology, 37:631-649.

Schwartz SM, Boethling RS, Leighton T (1990) Fate of the terpenes anethole and dipentene in a bench-scale activated sludge system. Chemosphere, 21(10/11):1153-1160.

Searle E (1989) Determination of airborne limonene vapour by charcoal tube sampling and gas-liquid chromatographic analysis. Analyst, 114:113-114.

Sekiya T, Yabuzaki T, Kitano M, Ogawa T (1988) Photochemical aerosol formation from organic gases. Colloid and polymer science, 266:1037-1041.

Shaw RW, Crittenden AL, Stevens RK, Crohn DR, Titov VS (1983) Ambient concentrations of hydrocarbons from conifers in atmospheric gases and aerosol particles measured in Soviet Georgia. Environmental science and technology, 17:389-395.

Shulka OP, Bhattacharyya PK (1968) Microbial transformation of terpenes: Part XI - Pathways of degradation of alpha & beta pinenes in a soil pseudomonad (PL-strain). Indian journal of biochemistry, 5(3): 92-101.

Sierra-Alvarez R, Kato M, Lettinga G (1990) The anaerobic biodegradability of paper mill wastewater constituents. Environmental technology, 11:891-898.

Smith OW, Wade AP, Dean FM (1969) Uroterpenol, a pettenkofer chromogen of dietary origin and a common constituent of human urine. Journal of endocrinology, 45:17-28.

Steele VE, Kelloff GJ, Wilkinson BP, Arnold JT (1990) Inhibition of transformation in cultured rat tracheal epithelial cells by potential chemopreventive agents. Cancer research, 50:2068-2074.

Strömvall AM (1992) Terpenes emitted to air from forestry and the forest industry. Göteborg, Chalmers University of Technology.

Swenberg JA (1993) alpha 2μ -globulin nephropathy: Review of the cellular and molecular mechanisms involved and their implications for human risk assessment. Environmental health perspectives, 101 (Suppl. 6):39-44.

Swenberg JA, Short B, Borghoff S, Strasser J, Charbonneau M (1989) The comparative pathobiology of $alpha2_{\mu}$ -globulin nephropathy. Toxicology and applied pharmacology, 97:35-46.

Swenberg JA, Dietrich DR, McClain RM, Cohen SM (1992) Species-specific mechanisms of carcinogenesis. In: Vaino H, Magee PN, McGregor DB, McMichael AJ, eds. Mechanisms of carcinogenesis in risk

identification. Lyon, International Agency for Research on Cancer, pp. 477-500 (IARC Monograph No. 116).

Tsuji M, Fujisaki Y, Yamachika K, Nakagami K, Fujisaka F, Mito M, Aoki T, Kinoshita S, Okubo A, Watanabe I (1974) Studies on d-limonene, as gallstone solubilizer (I): General pharmacological studies. (Japan) Oyo Yakuri, 8:1439-1459.

Tsuji M, Fujisaki Y, Arikawa Y, Masuda S, Tanaka T, Sato K, Noda K, Ide H, Kikuchi M (1975a) Studies on d-limonene, as gallstone solubilizer (IV): Chronic toxicity in dogs. (Japan) Oyo Yakuri, 9:775-808.

Tsuji M, Fujisaki Y, Okubo A, Arikawa Y, Noda K, Ide H, Ikeda T (1975b) Studies on d-limonene, as gallstone solubilizer (V): Effects on development of rat fetuses and offspring. (Japan) Oyo Yakuri, 10:179-186.

US EPA (1990a) Terpene hazard assessment. US Environmental Protection Agency, Office of Toxic Substances.

US EPA (1990b) Toxicity of eight terpenes to fathead minnows (Pimephales promelas), daphnids (Daphnia magna), and algae (Selenastrum capricornutum). AScl Corporation and US Environmental Protection Agency, Environmental Research Laboratory-Duluth.

US EPA (1991) Alpha- 2μ -globulin: Association with chemically induced renal toxicity and neoplasia in the male rat. Washington, DC, US Environmental Protection Agency, Risk Assessment Forum (EPA-625-3-91-019F).

US EPA (1994) Reregistration Eligibility Decision (RED) Limonene. US Environmental Protection Agency, Prevention, Pesticides and Toxic Substances (Report No. EPA-738-R-94-034).

Venkataramani ES, Ahlert RC (1984) Rapid aerobic biostabilization of high-strength industrial landfill leachate. Journal of the Water Pollution Control Federation, 56(11):1178-1184.

von Schäfer R, Schäfer W (1982) Die perkutane Resorption verschiedener Terpene-Menthol, Campher, Limonen, Isobornylacetat, alpha-pinen-aus badezusätzen. Drug research, 32:56-58.

Waggott A (1981) Trace organic substances in the river Lee. In: Cooper WJ, ed. Chemistry in water reuse. Ann Arbor, MI, Ann Arbor Science

Publ., pp. 55-99.

Wallace L, Nelson W, Zeigenfus R, Pellizzari E, Michael L, Whitmore R, Zelon H, Hartwell T, Perritt R, Westerdahl D (1991) The Los Angeles Team study: Personal exposures, indoor-outdoor air concentrations, and breath concentrations of 25 volatile compounds. Journal of exposure analysis and environmental epidemiology, 2:157-192.

Watabe T, Hiratsuka A, Osawa N, Isobe M (1981) A comparative study on the metabolism of d-limonene and 4-vinylcyclohex-1-ene by hepatic microsomes. Xenobiotica, 11:333-344.

Webb DR, Ridder GM, Alden CL (1989) Acute and subchronic nephrotoxicity of d-limonene in Fischer 344 rats. Food and chemical toxicology, 27:639-649.

Webb DR, Kanerva LL, Hysell DK, Alden CL, Lehman-McKeeman LD (1990) Assessment of the subchronic oral toxicity of d-limonene in dogs. Food and chemical toxicology, 28:669-675.

Wilson D, Hrutfiord B (1975) The fate of turpentine in aerated lagoons. Pulp and paper magazine of Canada, 76(6):91-93.

Wilt FM, Miller GC, Everett RL (1988) Monoterpene concentrations in litter and soil of single-leaf pinyon woodlands of the Western Great Basin. The Great Basin naturalist, 48(2):228-231.

Winer AM, Lloyd AC, Darnall KR, Pitts JN Jr (1976) Relative rate constants for the reaction of the hydroxyl radical with selected ketones, chlorethenes, and monoterpene hydrocarbons. Journal of physical chemistry, 80(14):1635-1639.

Winer AM, Atkinson R, Pitts JN Jr (1984) Gaseous nitrate radical: Possible nighttime atmospheric sink for biogenic organic compounds. Science, 224:156-159.

York M, Basketter Cuthbert JA, Neilson L (1995) Skin irritation in man for hazard assessment - evaluation of four patch systems. Human and experimental toxicology, 14:729-734.

Young PJ, Parker A (1983) The identification and possible environmental impact of trace gases and vapours in landfill gas. Waste management research, 1:231-226.

Young PJ, Parker A (1984) Vapors, odors, and toxic gases from landfills. In: Jackson LP, Rohlik AR, Conway RA, eds. Hazardous and industrial waste management and testing: Third symposium. Philadelphia, PA, American Society for Testing and Materials, pp. 24-41 (ASTM Special Technical Publication 851).

Zürcher F, Giger W (1976) Flüchtige organiche spurenkomponenten in der Glatt. Vom Wasser, 47:37–55 (in German with an English summary).