## References

- 1. Alley, W.M., Reilly, T.L., and Franke, O.H., 1999, Sustainability of ground-water resources: U.S. Geological Survey Circular 1186, 79 p.
- 2. U.S. Geological Survey, comp., 2003, Principal aquifers of the United States: prepared by the U.S. Geological Survey for The National Atlas, scale 1:5,000,000.
- 3. Pankow, J.F., and Cherry, J.A., 1996, Dense chlorinated solvents and other DNAPLs in ground water—History, behavior, and remediation: Portland, Oreg., Waterloo Press, 522 p.
- 4. American Water Works Association, Inc., 1971, Water quality and treatment—A handbook of public water supplies: New York, McGraw Hill Book Co., 654 p.
- Ashford, N.A., and Miller, C.S., 1991, Chemical exposures—Low levels and high stakes (1st ed.): New York, Van Nostrand Reinhold, 214 p.
- U.S. Environmental Protection Agency, 2004, 2001 TRI data release: accessed April 19, 2004, at http://www.epa.gov/tri/tridata/tri01/.
- Office of Technology Assessment, 1984, Protecting the Nation's groundwater from contamination—Volume I: Washington, D.C., U.S. Congress, Office of Technology Assessment, Chapters 1 and 2, OTA–O–233.
- 8. Westrick, J.J., Mello, J.W., and Thomas, R.F., 1984, The groundwater supply survey: Journal of the American Water Works Association, v. 76, no. 5, p. 52–59.
- 9. Westrick, J.J., 1990, National surveys of volatile organic compounds in ground and surface waters, *in* Ram, N.M., Christman, R.F., and Cantor, K.P., eds., Significance and treatment of volatile organic compounds in water supplies: Chelsea, Mich., Lewis Publishers, p. 103–125.
- Tennant, P.A., Norman, C.G., and Vicory, A.H., Jr., 1992, The Ohio River Valley Water Sanitation Commission's Toxic Substances Control Program for the Ohio River: Water Science and Technology, v. 26, no. 7–8, p. 1779–1788.
- 11. Squillace, P.J., Moran, M.J., Lapham, W.W., Price, C.V., Clawges, R.M., and Zogorski, J.S., 1999, Volatile organic compounds in untreated ambient groundwater of the United States, 1985–1995: Environmental Science & Technology, v. 33, no. 23, p. 4176–4187.
- 12. Squillace, P.J., Scott, J.C., Moran, M.J., Nolan, B.T., and Kolpin, D.W., 2002, VOCs, pesticides, nitrate, and their mixtures in groundwater used for drinking water in the United States: Environmental Science & Technology, v. 36, no. 9, p. 1923–1930.

- 13. Grady, S.J., 2003, A national survey of methyl *tert*-butyl ether and other volatile organic compounds in drinkingwater sources—Results of the Random Survey: U.S. Geological Survey Water-Resources Investigations Report 02–4079, 85 p.
- 14. Delzer, G.C., and Ivahnenko, Tamara, 2003, Occurrence and temporal variability of methyl *tert*-butyl ether (MTBE) and other volatile organic compounds in select sources of drinking water—Results of the Focused Survey: U.S. Geological Survey Water-Resources Investigations Report 02–4084, 65 p.
- Moran, M.J., Zogorski, J.S., and Squillace, P.J., 2005, Occurrence and distribution of MTBE and gasoline hydrocarbons in ground water of the United States: Ground Water, v. 43, no. 4, p. 615-627.
- 16. Moran, M.J., Lapham, W.W., Rowe, B.L., and Zogorski, J.S., 2004, Volatile organic compounds in ground water from rural private wells, 1986 to 1999: Journal of the American Water Resources Association, v. 40, no. 5, p. 1141–1157.
- 17. Squillace, P.J., Moran, M.J., and Price, C.V., 2004, VOCs in shallow groundwater in new residential/commercial areas of the United States: Environmental Science & Technology, v. 38, no. 20, p. 5327–5338.
- Bender, D.A., Zogorski, J.S., Halde, M.J., and Rowe, B.L., 1999, Selection procedure and salient information for volatile organic compounds emphasized in the National Water-Quality Assessment Program: U.S. Geological Survey Open-File Report 99–182, 32 p.
- Moran, M.J., Zogorski, J.S., and Rowe, B.L., 2006,
  Approach to an assessment of volatile organic compounds in the Nation's ground water and drinking-water supply wells:
   U.S. Geological Survey Open-File Report 2005–1452, 36 p.
- Toccalino, P.L., Zogorski, J.S., and Norman, J.E., 2005, Health-Based Screening Levels and their application to water-quality data: U.S. Geological Survey Fact Sheet 05–3059, 2 p.
- Lapham, W.W., Moran, M.J., and Zogorski, J.S., 2000, Enhancement of nonpoint source monitoring of volatile organic compounds in ground water: Journal of the American Water Resources Association, v. 36, no. 6, p. 1321–1334.
- 22. U.S. Environmental Protection Agency, 1998, TRI data summary information—Top 20 chemicals with largest onsite and off-site releases, 1998, original industries: accessed August 2, 2001, at http://www.epa.gov/tri/tridata/tri98/data/ rlmc98atold2.pdf

- 23. Pankow, J.F., Thomson, N.R., Johnson, R.L., Baehr, A.L., and Zogorski, J.S. 1997, The urban atmosphere as a non-point source for the transport of MTBE and other volatile organic compounds (VOCs) to shallow groundwater: Environmental Science & Technology, v. 31, no. 10, p. 2821–2828.
- 24. Reilly, T.E., and Pollock, D.W., 1995, Effect of seasonal and long-term changes in stress on sources of water to wells: U.S. Geological Survey Water-Supply Paper 2445, 25 p.
- 25. Wiedemeier, T.H., Rifai, H.S., Newell, C.J., and Wilson, J.T., 1999, Natural attenuation of fuels and chlorinated solvents in the subsurface: New York, John Wiley and Sons, Inc., 617 p.
- 26. Roch, François, and Alexander, Martin, 1997, Inability of bacteria to degrade low concentrations of toluene in water: Environmental Toxicology and Chemistry, v. 16, no. 7, p. 1377–1383.
- 27. Focazio, M.J., Reilly, T.E., Rupert, M.G., and Helsel, D.R., 2002, Assessing ground-water vulnerability to contamination—Providing scientifically defensible information for decision makers: U.S. Geological Survey Circular 1224, 33 p.
- 28. Anthony, S.S., Hunt, C.D., Jr., Brasher, A.M.D., Miller, L.D., and Tomlinson, M.S., 2004, Water quality on the island of Oahu, Hawaii, 1999-2001: U.S. Geological Survey Circular 1239, 31 p.
- 29. Bush, P.W., Ardis, A.F., Fahlquist, Lynne, Ging, P.B., Hornig, C.E., and Lanning-Rush, Jennifer, 2000, Water quality in south-central Texas, Texas, 1996–98: U.S. Geological Survey Circular 1212, 32 p.
- 30. Pacific Biomedical Research Center, 1975, Hawaii epidemiologic studies program: Honolulu, University of Hawaii, Annual report no. 8, January through December 1974, 176 p.
- 31. Oki, D.S., and Giambelluca, T.W., 1987, DBCP, EDB, and TCP contamination of ground water in Hawaii: Ground Water, v. 25, no. 6, p. 693–702.
- 32. Orr, Shlomo, and Lau, L.S., 1987, Trace organic (DBCP) transport simulation of Pearl Harbor aquifer, Oahu, Hawaii—Multiple mixing-cell model, Phase I: Honolulu, University of Hawaii Water Resources Research Center Technical Report No. 174, 60 p.
- 33. Dubrovsky, N.M., Kratzer, C.R., Brown, L.R., Gronberg, J.M., and Burow, K.R., 1998, Water quality in the San Joaquin-Tulare Basins, California, 1992–95: U.S. Geological Survey Circular 1159, 38 p.

- 34. Reineke, Walter, 2001, Chapter 1, Aerobic and anaerobic biodegradation potentials of microorganisms, *in* Huntzinger, Otto, ed., The handbook of environmental chemistry, Beek, B., ed., Volume 2, Part K, Reactions and Processes—Biodegradation and persistence: Heidelberg, Germany, Springer-Verlag, p. 1-161.
- 35. Suarez, M.P., and Rifai, H.S., 1999, Biodegradation rates for fuel hydrocarbons and chlorinated solvents in groundwater: Bioremediation Journal, v. 3, no. 4, p. 337–362.
- 36. Moran, M.J., Lapham, W.W., Rowe, B.L., and Zogorski, J.S., 2002, Occurrence and status of volatile organic compounds in ground water from rural, untreated, self-supplied domestic wells in the United States, 1986–99: U.S. Geological Survey Water-Resources Investigations Report 02–4085, 51 p.
- 37. U.S. Environmental Protection Agency, 2005, Public Drinking Water Systems Programs: accessed November 2, 2005, at http://www.epa.gov/safewater/pws/index.html
- 38. U.S. Environmental Protection Agency, 2001, Factoids—Drinking water and ground water statistics for 2000: Office of Water, EPA 816–K–01–004, 10 p.
- 39. Hutson, S.S., Barber, N.L., Kenny, J.F., Linsey, K.S., Lumia, D.S., and Maupin, M.A., 2004, Estimated use of water in the United States in 2000: U.S. Geological Survey Circular 1268, 46 p.
- 40. U.S. Environmental Protection Agency, 2005, Setting standards for safe drinking water: accessed November 2, 2005, at <a href="http://www.epa.gov/safewater/standard/setting.html">http://www.epa.gov/safewater/standard/setting.html</a>
- 41. Toccalino, Patricia; Nowell, Lisa; Wilber, William; Zogorski, John; Donohue, Joyce; Eiden, Catherine; Krietzman, Sandra and Post, Gloria, 2003, Development of Health-Based Screening Levels for use in State or local-scale water-quality assessments: U.S. Geological Survey Water-Resources Investigations Report 03–4054, 22 p. [Available online at http://pubs.water.usgs.gov/wri03-4054]
- 42. Toccalino, P.L., Norman, J.E., Phillips, R.H., Kauffman, L.J., Stackelberg, P.E., Nowell, L.H., Krietzman, S.J., and Post, G.B., 2004, Application of Health-Based Screening Levels to ground-water quality data in a State-scale pilot effort: U.S. Geological Survey Scientific Investigations Report 2004–5174, 64 p. [Available online at http://pubs.water.usgs.gov/sir2004-5174]
- 43. Burow, K.R., Panshin, S.Y., Dubrovsky, N.M., VanBrocklin, David, and Fogg, G.E., 1999, Evaluation of processes affecting 1,2-dibromo-3-chloropropane (DBCP) concentrations in ground water in the eastern San Joaquin Valley, California—Analysis of chemical data and ground-water flow and transport simulations: U.S. Geological Survey Water-Resources Investigations Report 99–4059, 57 p.

- 44. Wisconsin Department of Natural Resources, 1998, Volatile organic chemicals in drinking water: accessed July 12, 2001, at http://www.dnr.state.wi.us/org/water/dwg/voc.htm
- 45. U.S. Environmental Protection Agency, 2005, Private drinking water wells: accessed November 2, 2005, at <a href="http://www.epa.gov/safewater/privatewells/whereyoulive\_state.html">http://www.epa.gov/safewater/privatewells/whereyoulive\_state.html</a>
- 46. New Jersey Department of Environmental Protection, 2005, Private Well Testing Act: accessed January 5, 2005, at <a href="http://www.state.nj.us/dep/pwta/">http://www.state.nj.us/dep/pwta/</a>
- 47. U.S. Environmental Protection Agency, 2002, Community Water System Survey 2000, Vol. 1, Overview: Office of Water, EPA 815–R–02–OO5A, 48 p.
- 48. Stackelberg, P.E., Kauffman, L.J., Baehr, A.L., and Ayers, M.A., 2000, Comparison of nitrate, pesticides, and volatile organic compounds in samples from monitoring and public-supply wells, Kirkwood-Cohansey aquifer system, southern New Jersey: U.S. Geological Survey Water-Resources Investigations Report 00–4123, 78 p.
- 49. U.S. Environmental Protection Agency, 2005, Drinking water Contaminant Candidate List—Frequently asked questions: accessed November 2, 2005, at <a href="http://www.epa.gov/safewater/ccl/frequentquestions.htm">http://www.epa.gov/safewater/ccl/frequentquestions.htm</a>
- 50. U.S. Environmental Protection Agency, 2005, 1996 Amendments to the Safe Drinking Water Act-Public Law 104-182 104th Congress: accessed November 8, 2005, at http://www.epa.gov/safewater/sdwa/text.html
- 51. U.S. Environmental Protection Agency, 2005, Unregulated Contaminant Monitoring Rule 1 (UCMR 1): accessed November 2, 2005, at http://www.epa.gov/safewater/ucmr/ucmr1/index.html
- 52. U.S. Environmental Protection Agency, 2005, Drinking water Contaminant Candidate List (CCL)—drinking water Contaminant Candidate List 2: accessed November 2, 2005, at <a href="http://www.epa.gov/safewater/ccl/ccl2\_list.html">http://www.epa.gov/safewater/ccl/ccl2\_list.html</a>
- 53. Squillace, P.J., Pankow, J.F., Korte, N.E., and Zogorski, J.S., 1996, Environmental behavior and fate of methyl *tert*-butyl ether (MTBE): U.S. Geological Survey Fact Sheet 203–96, 6 p.
- 54. Lopes, T.J., and Dionne, S.G., 1998, A review of semi-volatile and volatile organic compounds in highway runoff and urban stormwater: U.S. Geological Survey Open-File Report 98–409, 67 p.
- 55. U.S. Environmental Protection Agency, 2002, Occurrence summary and use support document for the six-year review of national primary drinking water regulations: Office of Water, EPA–815–D–02–006, 449 p., accessed December 7, 2005, at <a href="http://www.epa.gov/safewater/review.html#completion">http://www.epa.gov/safewater/review.html#completion</a>

- 56. Bruce, B.W., and Oelsner, G.P., 2001, Contrasting water quality from paired domestic/public supply wells, Central High Plains: Journal of the American Water Resources Association, v. 37, no. 5, p. 1389–1403.
- 57. Baehr, A.L., Kauffman, L.J., Charles, E.G., Baker, R.J., Stackelberg, P.E., Ayers, M.A., and Zapecza, O.S., 1999, Sampling throughout the hydrologic cycle to characterize sources of volatile organic compounds in ground water, *in* Morganwalp, D.W., and Buxton, H.T., eds., U.S. Geological Survey Toxic Substances Hydrology Program—Proceedings of the Technical Meeting, Charleston, South Carolina, March 8-12, 1999, v. 3: U.S. Geological Survey Water-Resources Investigations Report 99–4018C, p. 21-35.
- 58. Stackelberg, P.E., Kauffman, L.J., Ayers, M.A., and Baehr, A.L., 2001, Frequently co-occurring pesticides and volatile organic compounds in public supply and monitoring wells, southern New Jersey, USA: Environmental Toxicology and Chemistry, v. 20, no. 4, p. 853–865.
- 59. Budavari, Susan, ed., 1989, The Merck Index: Rahway, N.J., Merck and Company, Inc. [variously paged].
- 60. Mannsville Chemical Products Corporation, 1999, Chemical products synopsis, chloroform: Adams, N.Y., Mannsville Chemical Products Corporation, 2 p.
- 61. Lucius, J.E., Olhoeft, G.R., Hill, P.L., and Duke, S.K., 1992, Properties and hazards of 108 selected substances (1992 ed.): U.S. Geological Survey Open-File Report 92–527, p. 191–195.
- 62. Agency for Toxic Substances and Disease Registry, 1997, Toxicological profile for chloroform: U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, 293 p.
- 63. Agency for Toxic Substances and Disease Registry, 2005, Bromoform and dibromochloromethane: accessed October 24, 2005, at <a href="http://www.atsdr.cdc.gov/toxprofiles/tp130-c5.pdf">http://www.atsdr.cdc.gov/toxprofiles/tp130-c5.pdf</a>
- 64. McCulloch, A., 2003, Chloroform in the environment— Occurrence, sources, sinks and effects: Chemosphere, v. 50, no. 10, p. 1291–1308.
- 65. Minear, R.A., and Bird, J.C., 1980, Trihalomethanes— Impact of bromide ion concentration on yield, species distribution, rate of formation and influence of other variables, in Jolley, R.L., ed., Water chlorination—Environmental impact and health effects, v. 3: Ann Arbor, Mich., Ann Arbor Science Publishers Inc., p. 151-160.
- 66. Chellam, Shankararaman, 2000, Effects of nanofiltration on trihalomethane and haloacetic acid precursor removal and speciation in waters containing low concentrations of bromide ion: Environmental Science & Technology, v. 34, no. 9, p. 1813–1820.

- 67. Kolpin, D.W., and Thurman, E.M., 1995, Postflood occurrence of selected agricultural chemicals and volatile organic compounds in near-surface unconsolidated aquifers in the Upper Mississippi River Basin, 1993: U.S. Geological Survey Circular 1120–G, 20 p.
- 68. Stackelberg, P.E., Hopple, J.A., and Kauffman, L.J., 1997, Occurrence of nitrate, pesticides and volatile organic compounds in the Kirkwood-Cohansey aquifer system, southern New Jersey: U.S. Geological Survey Water-Resources Investigations Report 97–4241, 8 p.
- 69. Thiros, S.A., 2000, Anaylsis of nitrate and volatile organic compound data for ground water in the Great Salt Lake Basins, Utah, Idaho, and Wyoming 1980-98, National Water Quality Assessment Program: U.S. Geological Survey Water-Resources Investigations Report 00–4043, 20 p.
- 70. Grady, S.J., and Casey, G.D., 2001, Occurrence and distribution of methyl *tert*-butyl ether and other volatile organic compounds in drinking water in the Northeast and Mid-Atlantic regions of the United States, 1993–98: U.S. Geological Survey Water-Resources Investigations Report 00–4228, 123 p.
- 71. Ivahnenko, Tamara, and Barbash, J.E., 2004, Chloroform in the hydrologic system—Sources, transport, fate, occurrence, and effects on human health and aquatic organisms: U.S. Geological Survey Scientific Investigations Report 2004–5137, 34 p.
- 72. California Air Resources Board, 1990, Chloroform: accessed June 10, 1999, at http://www.arb.ca.gov/toxics/summary/chlorfor.pdf
- 73. Pankow, J.F., Luo, Wentia, Bender, D.A., Isabelle, L.M., Hollingsworth, J.S., Cehn, Cai, Asher, W.E., and Zogorski, J.S., 2003, Concentrations and co-occurrence correlations of 88 volatile organic compounds (VOCs) in ambient air of 13 semi-rural to urban locations in the United States: Atmospheric Environment, v. 37, no. 36, p. 5023–5046.
- 74. Adachi, Atsuko, and Kobayashi, Tadashi, 1994, Volatile chlorinated organic compound levels in rain water from Kobe City, Japan: Bulletin of Environmental Contamination and Toxicology, v. 52, no. 1, p. 9–12.
- 75. Fenelon, J.M., and Moore, R.C., 1996, Occurrence of volatile organic compounds in ground water in the White River Basin, Indiana, 1994–95: U.S. Geological Survey Fact Sheet 138–96, 4 p.
- 76. Baehr, A.L., Stackelberg, P.E., Baker, R.J., 1999, Evaluation of the atmosphere as a source of volatile organic compounds in shallow groundwater: Water Resources Research, v. 35, no. 1, p. 127–136.

- 77. Rook, J.J., 1974, Formation of haloforms during chlorination of natural waters: Water Treatment and Examination, v. 23, p. 234–243.
- 78. Weber, W.J., Jr., 1972, Physiochemical processes for water quality control: New York, John Wiley and Sons, 640 p.
- Isidorov, V.A., Zenkevich, I.G., and Ioffe, B.V., 1990,
  Volatile organic compounds in solfataric gases: Journal of Atmospheric Chemistry, v. 10, p. 329–340.
- 80. Gribble, G.W., 1994, The natural production of chlorinated compounds: Environmental Science & Technology, v. 28, no. 7, p. 310A–319A.
- 81. Laturnus, Frank, Haselmann, K.F., Borch, Thomas, and Gron, Christian, 2002, Terrestrial natural sources of trichloromethane (chloroform, CHCl3)—An overview: Biochemistry, v. 60, no. 2, p. 121–139.
- 82. U.S. Environmental Protection Agency, 2000, National water quality inventory, 1998 Report to Congress: Washington, D.C., Office of Water Quality, EPA 841–R–00–001, 413 p.
- 83. U.S. Environmental Protection Agency, 2006, Federal Register Document January 4, 2006: U.S. Environmental Protection Agency, v. 71, no. 2, p. 478.
- 84. Nieuwenhuijsen, M.J., Toledano, M.B., Eaton, N.E., Falwell, John, and Elliot, Paul, 2000, Chlorination disinfection by-products in water and their association with adverse reproductive outcomes—A review: Occupational and Environmental Medicine, v. 57, no. 2, p. 73–85.
- 85. DeWalle, F.B., Kalman, D., Norman, D., Sung, J., and Plews, G., 1985, Determination of toxic chemicals in effluent from household septic tanks: EPA 600/2–85/050, 25 p.
- 86. Ayres Associates, 1993, Onsite sewage disposal system research in Florida—An evaluation of current onsite sewage disposal system (OSDS) practices in Florida: Tampa, Fla., Ayres Associates, 191 p.
- 87. McCarty, P.L., Reihard, Martin, and Rittman, B.E., 1981, Trace organics in groundwater: Environmental Science & Technology, v. 15, no. 1, p. 40–51.
- 88. Fram, M.S., Bergamaschi, B.A., Goodwin, K.D., Fujii, Roger, and Clark, J.F., 2003, Processes affecting the trihalomethane concentrations associated with the third injection, storage, and recovery test at Lancaster, Antelope Valley, California, March 1998 through April 1999: U.S. Geological Survey Water-Resources Investigations Report 03–4062, 72 p.
- 89. Chemical Manufacturers Association, 1997, U.S. Chemical industry statistical handbook, 1997: Arlington, Va., Chemical Manufacturers Association, 185 p.

- 90. Chemical Manufacturers Association, 1998, U.S. Chemical industry statistical handbook, 1998: Arlington, Va., Chemical Manufacturers Association, 113 p.
- 91. Halogenated Solvents Industry Alliance, 2004, Solvent applications: accessed May 7, 2004, at http://www.hsia.org/applications.htm
- 92. U.S. Environmental Protection Agency, 1980, Sources of toxic compounds in household wastewater: Washington, D.C., Office of Research and Development, EPA 600/2–80– 128, 84 p.
- 93. U.S. Environmental Protection Agency, 2005, IRIS chemical assessment tracking system: accessed October 4, 2005, at <a href="http://cfpub.epa.gov/iristrac/index.cfm?fuseaction="http://cfpub.epa.gov/iristrac/index.cfm?fuseaction="listChemicals.showList&letter=ALL">http://cfpub.epa.gov/iristrac/index.cfm?fuseaction="listChemicals.showList&letter=ALL">listChemicals.showList&letter=ALL</a>
- 94. Nyer, E.K., and Duffin, M.E., 1997, The state of the art of bioremediation: Ground Water Modeling & Remediation, v. 17, no. 2, p. 64–69.
- 95. Mullaney, J.R., and Grady, S.J., 1997, Hydrogeology and water quality of a surficial aquifer underlying an urban area, Manchester, Connecticut: U.S. Geological Survey Water-Resources Investigations Report 97–4195, 40 p.
- 96. Mackay, Donald, Shiu, W.Y., and Ma, K.C., 1993, Illustrated handbook of physical-chemical properties and environmental fate for organic chemicals, Volume III, Volatile organic chemicals: Chelsea, Mich., Lewis Publishers, 916 p.
- 97. Howard, P.H., Boethling, R.S., Jarvis, W.F., Meylan, W.M., and Michalenko, E.M., 1991, Handbook of Environmental Degradation Rates: Chelsea, Mich., Lewis Publishers, 725 p.
- 98. U.S. Congress, 2005, Energy Policy Act of 2005: Washington, D.C., 109th Congress of the United States, Public Law 109–58, August 8, 2005, 551 p.
- 99. U.S. Environmental Protection Agency, 2005, Gasoline: accessed October 3, 2005, at http://www.epa.gov/mtbe/gas.htm
- 100. Squillace, P.J., Pankow, J.F., Korte, N.E., and Zogorski, J.S., 1997, Review of the environmental behavior and fate of methyl *tert*-butyl ether: Environmental Toxicology and Chemistry, v. 16, no. 9, p. 1836–1844.
- 101. Moran, M.J., Zogorski J.S., and Squillace P.J., 1999, MTBE in ground water of the United States—Occurrence, potential sources and long-range transport, *in* Water Resources Conference, Proceedings: Norfolk, Va., American Water Works Association Conference, Sept. 26–29, 1999 [CD-ROM].

- 102. Dakhel, Nathalie; Pasteris, Gabriele; Werner, David; and Höhener, Patrick, 2003, Small-volume releases of gasoline in the vadose zone—Impact of the additives MTBE and ethanol on groundwater quality: Environmental Science & Technology, v. 37, no. 10, p. 2127–2133.
- 103. Pasteris, Gabriele; Werner, David; Kaufmann, Karin; and Höhener, Patrick, 2002, Vapor phase transport and biodegradation of volatile fuel compounds—A large scale lysimeter experiment: Environmental Science & Technology, v. 36, no. 1, p. 30–39.
- 104. Zogorski, J.S., Morduchowitz, Abraham, Baehr, A.L., Bauman, B.J., Conrad, D.L., Drew, R.T., Korte, N.E., Lapham, W.W., Pankow, J.F., and Washington, E.R., 1997, Fuel oxygenates and water quality, *in* Interagency Assessment of Oxygenated Fuels: Washington, D.C., Office of Science and Technology Policy, Executive Office of the President, chap. 2, 80 p.
- 105. Baker, R.J., Best, E.W., and Baehr, A.L., 2002, Used motor oil as a source of MTBE, TAME, and BTEX to ground water: Ground Water Monitoring & Remediation, v. 22, no. 4, p. 46–51.
- 106. Baehr, A.L., Charles, E.G., and Baker, R.J., 2001, Methyl *tert*-butyl ether degradation in the unsaturated zone and the relation between MTBE in the atmosphere and shallow groundwater: Water Resources Research, v. 37, no. 2, p. 223–234.
- 107. U.S. Environmental Protection Agency, 1997, Drinking water advisory—Consumer acceptability advice and health effects analysis on methyl tertiary-butyl ether: Washington, D.C., U.S. Environmental Protection Agency, Office of Water, EPA–822–F–97–009.
- 108. American Chemical Society, 1993, Chemical production resumed growth in 1992: Chemical and Engineering News, June 28, 1993, v. 71, no. 26, p. 40–46.
- 109. American Chemical Society, 1995, Production soared in most chemical sectors: Chemical and Engineering News, June 26, 1995, v. 73, no. 26, p. 38–44.
- 110. Department of Energy, 2004, Monthly oxygenate report: Department of Energy, accessed May 6, 2004, at http://www.eia.doe.gov/oil\_gas/petroleum/data\_publications/monthly\_oxygenate\_telephone\_report/motr\_historical.html
- 111. U.S. Environmental Protection Agency, 2004, State actions banning MTBE (Statewide): EPA-420-B-04-009, accessed November 22, 2004, at http://www.epa.gov/mtbe/420b04009.pdf
- 112. California Air Resources Board, 2003, The California Reformulated Gasoline Regulations: accessed January 3, 2004, at <a href="http://www.arb.ca.gov/fuels/gasoline/carfg3\_090904.pdf">http://www.arb.ca.gov/fuels/gasoline/carfg3\_090904.pdf</a>

- 113. Moran, M.J., Zogorski, J.S., and Squillace, P.J., 2004, Occurrence and implications of methyl *tert*-butyl ether and gasoline hydrocarbons in ground water and source water in the United States and in drinking water in 12 Northeast and Mid-Atlantic States, 1993-2002: U.S. Geological Survey Water-Resources Investigations Report 03–4200, 26 p.
- 114. Shelton, J.L., Burow, K.R., Belitz, Kenneth, Dubrovsky, N.M., Land, Michael, and Gronberg, JoAnn, 2001, Low-level volatile organic compounds in active public supply wells as ground-water tracers in the Los Angeles physiographic basin, California, 2000: U.S. Geological Survey Water-Resources Investigations Report 01–4188, 29 p.
- 115. Dawson, B.J.M.; Belitz, Kenneth; Land, Michael; and Danskin, W.R., 2003, Stable isotopes and volatile organic compounds along seven ground-water flow paths in divergent and convergent flow systems, southern California, 2000: U.S. Geological Survey Water-Resources Investigations Report 03–4059, 79 p.
- 116. U.S. Environmental Protection Agency, 2004, Accessing unregulated contaminant monitoring data: U.S. Environmental Protection Agency, accessed November 3, 2005, at <a href="http://www.epa.gov/safewater/ucmr/data.html">http://www.epa.gov/safewater/ucmr/data.html</a>
- 117. U.S. Department of Energy Information Administration, 2003, U.S. Gasoline data: accessed March 20, 2003, at <a href="http://www.eia.doe.gov/oil\_gas/petroleum/info\_glance/gasoline.html">http://www.eia.doe.gov/oil\_gas/petroleum/info\_glance/gasoline.html</a>
- 118. Mackay, Donald, Shiu, W.Y., and Ma, K.C., 1992, Illustrated handbook of physical-chemical properties of environmental fate for organic chemicals, Volume I, Monoaromatic hydrocarbons, chlorobenzenes, and PCBs: Chelsea, Mich., Lewis Publishers, 697 p.
- 119. Lahvis, M.A., Baehr, A.L., and Baker, R.J., 1999, Quantification of aerobic biodegradation and volatilization rates of gasoline hydrocarbons near the water table under natural attenuation conditions: Water Resources Research, v. 35, no. 3, p. 753–765.
- 120. U.S. Environmental Protection Agency, 1990, The Clean Air Act Amendments: Washington, D.C., U.S. Congress, 101st, Sec. 219, p. S.1630–1938: accessed January 15, 2003, at <a href="http://www.epa.gov/oar/caa/caaa.txt">http://www.epa.gov/oar/caa/caaa.txt</a>

The following references apply to the glossary and appendixes.

- U.S. Environmental Protection Agency, 1986, Guidelines for carcinogen risk assessment: Washington, D.C., EPA/630/R–00/004, p. 19–21.
- 122. U.S. Environmental Protection Agency, 2005, Guidelines for Carcinogen Risk Assessment: Washington D.C., EPA/630/P–03/001F [variously paged].

- 123. U.S. Environmental Protection Agency, 2005, List of drinking water contaminants and MCLs (includes potential health effects, sources of contaminant in drinking water): accessed June 10, 2005, at <a href="http://www.epa.gov/safewater/mcl.html">http://www.epa.gov/safewater/mcl.html</a>
- 124. U.S. Environmental Protection Agency, 2004, Technical factsheets on drinking water contaminants: accessed July 28, 2004, at <a href="http://www.epa.gov/safewater/hfacts.html">http://www.epa.gov/safewater/hfacts.html</a>
- 125. Department of Energy, 2004, Risk Assessment Information System (RAIS): accessed July 28, 2004, at http://risk.lsd.ornl.gov/index.shtml
- 126. Agency for Toxic Substances and Disease Registry (ATSDR), 1992, Toxicological profile for 1,3-dichloropropene: U.S. Department of Health and Human Services, p. 81.
- 127. Agency for Toxic Substances and Disease Registry (ATSDR), 2003, ATSDR tox profiles 2003 (2003 ed.): Atlanta, Ga., U.S. Department of Health and Human Services [CD-ROM].
- 128. Agency for Toxic Substances and Disease Registry (ATSDR), 2004, ATSDR Tox Profiles 2004 (2004 ed.): Atlanta, Ga., U.S. Department of Health and Human Services [CD-ROM].
- 129. Sittig, Marshall, 1991, Handbook of toxic and hazardous chemicals and carcinogens (3d ed.), Vol. 1 and 2: Park Ridge, N.J., Noyes Publications, 1,685 p.