

Notes

- ¹ For a more detailed discussion of the health impacts from motor vehicle pollution, see the separate book entitled Appendix on the Adverse Health and Environmental Effects from Vehicle Emissions.
- ² US Auto/Oil Air Quality Improvement Research Program. 1991. Technical Bulletin No. 2, *Effects of Fuel Sulfur Levels on Mass Exhaust Emissions*.
- ³ US Environmental Protection Agency (US EPA). 1999. *Analysis of the Impacts of Control Programs on Motor Vehicle Toxic Emissions and Exposure in Urban Areas and Nationwide: Volume I*. Prepared for EPA by Sierra Research, Inc. and Radian International Corporation/Eastern Research Group. Report No. EPA420-R-99-029.
- ⁴ Personal Communication of Michael P. Walsh, International Consultant with staff of US Environmental Protection Agency.
- ⁵ Auto/Oil Air Quality Improvement Research Program. 1990. Technical Bulletin No. 1, *Initial Mass Exhaust Emissions Results From Reformulated Gasolines*.
- ⁶ Colucci and Wise. 1992. *Auto/Oil Air Quality Improvement Research Program - What Is It and What Has It Learned?* Paper presented at the XXIV Fisita Congress. London, 7 June.
- ⁷ It is important to note that formaldehyde levels in the atmosphere vary depending on the climate and hydrocarbons present. Formaldehyde forms in the atmosphere through secondary transformations.
- ⁸ Lee, R., J. Pedley, and C. Hobbs. 1998. *Fuel Quality Impact on Heavy Duty Diesel Emissions: A Literature Review*. Society of Automotive Engineers Technical Paper Series, Paper No. 982649.
- ⁹ Hublin, M., Gadd, P.G., Hall, D.E., and Schindler, K.P. 1996. *European Programmes on Emissions, Fuels and Engine Technologies (EPEFE) - Light Duty Diesel Study*. " Society of Automotive Engineers Technical Paper Series, Paper No. 961073.

- ¹⁰ Rickeard, D.J., R. Bonetoo, and M. Signer. 1996. *European Programme on Emissions, Fuels and Engine Technologies (EPEFE) - Comparison of Light and Heavy Duty Diesel Studies*. Society of Automotive Engineers Technical Paper Series, Paper No. 961075.
- ¹¹ PM_{10} and $PM_{2.5}$ is the mass concentration of particles with aerodynamic particle diameters of less than 10 micrometers and less than 2.5 micrometers, respectively.
- ¹² The Auto-Oil Programme, Informal Briefing, Brussels, 21 March 1995.
- ¹³ R. Westerholm. 1995. *Fuel related PAH Emissions from Heavy Duty Diesel Vehicles*. Stockholm University.
- ¹⁴ Schramm, Gratz, Foldager and Olsen. 1999. *Emissions from a diesel vehicle operated on alternative fuels in Copenhagen*. SAE 1999-01-3603.