Invited Papers

Jochen Rudolph
Measurement of Nonmethane Hydrocarbons in the Atmosphere 11

Elliot Atlas
Measurement of Halocarbons and Alkyl Nitrates in the Atmosphere 37

Eric C. Apel
VOC Laboratory Intercomparisons 55

Richard G. Derwent
Hydrocarbons from Man-made Sources: Interpretation of Air Quality Data 65

Alex Guenther
Natural Emissions of Volatile Organic Compounds 75

Don Blake
Latitudinal and Seasonal Variation of Tropospheric NMHCs 81

Ralf Koppmann, Kristin v. Czapiewski, and Michael Komenda
Emission of Volatile Organic Compounds from Biomass Burning 91

Geoff S. Tyndall
Organic Chemistry in the Atmosphere 109

Shaw Liu and Hongbin Yu
Modelling the Vertical Distributions of Nonmethane Hydrocarbons and Their Potential Impact on the Background Atmosphere 125

Andreas Volz-Thomas, Franz Kramp, and Bita Kolahgar
Experimental Determination of the Balance of HOx Radicals in Polluted Air 137

Dieter H. Ehhalt, Franz Rohrer, Andreas Wahner, Michael J. Prather, and Don R. Blake
On the Use of Hydrocarbon Ratios for the Determination of Tropospheric OH Concentrations 149
Reports of the Working Groups

Jochen Rudolph et al.
Measurement Techniques and Intercomparison
Report of Working Group 1 175

Ralf Koppmann et al.
Volatile Organic Compounds: Sources and Distributions
Report of Working group 2 181

Geoff Tyndall et al.
Data Analysis, Interpretation and Modeling
Report of Working Group 3 187

The German-American Academic Council Foundation (GAAC) 195
List of Participants 197