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Part D: Answers to Policy-Relevant Science Questions

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Prepared by the Task Force on Hemispheric Transport of Air Pollution
acting within the framework of the
Convention on Long-range Transboundary Air Pollution

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Chemical Symbols, Acronyms and Abbreviations

Chemical Abbreviations

C – carbon
CO – carbon monoxide
CO_2 – carbon dioxide
CH_4 – methane
DDT -- dichlorodiphenyltrichloroethane
HCH – hexachlorohexane
H_2SO_4 – sulphuric acid
HCB – hexachlorobenzene
HCHO – formaldehyde
Hg – mercury
Hg^0 – elemental mercury
Hg^{II} – oxidized, ionic mercury
Hg^P – mercury bound to suspended particulate matter
MeHg – methyl mercury
NH_3 – ammonia
NO_2 – nitrogen dioxide
NO_3 – nitrate
NO_x – nitrogen oxides
NO_y – total inorganic oxidized nitrogen
N_2O_5 -- dinitrogen pentoxide
Nr – total reactive nitrogen (including NO_y and NH_x)
O_3 – ozone
PAH – polycyclic aromatic hydrocarbon
PBDE – pentabromodiphenyl ether
PCB – polychlorinated biphenyl
PCDD/F – pentachlorodibenzodioxins and furans
PFOA – perfluorooctanoic acid
PFOS – perfluorooctane sulfonate
SO_2 – sulphur dioxide
SO_4 –sulphate
SO_x – anthropogenic sulphur oxides (combination of SO_2 and SO_4)
nss-SO_4 – non-seasalt sulphate

Acronyms and Abbreviations