Appendix A. List of Acronyms
A.1 List of Acronyms

σ_g geometric standard deviation
AAQS Ambient Air Quality Standards
ACGIH American Conference of Governmental Industrial Hygienists
ADI acceptable daily intake
AEGL Acute Emergency Guidance Level
AEL adverse effect level
AHH aryl hydrocarbon hydroxylase
AICE American Institute of Chemical Engineers
AIHA American Industrial Hygiene Association
ALL acute lymphoblastic leukemia
ARB Air Resources Board
ATS American Thoracic Society
AUC area under the (blood or tissue concentration x time) curve
AV_A alveolar ventilation (animal)
AV_H alveolar ventilation (human)
BMC benchmark concentration
BMCL_{05} lower 95% confidence interval of the benchmark concentration
BMD benchmark dose
BW body weight
C x T concentration multiplied by time
C_A applied concentration in an animal experiment.
CAAQS California Ambient Air Quality Standards
CalEPA California Environmental Protection Agency
CalOSHA California Occupational Safety and Health Administration
CAPCOA California Air Pollution Control Officer’s Association
C_{AVG} average concentration
CFT computational fluid dynamics
CIIT Chemical Industry Institute of Toxicology
C_{max} peak concentrations
C_{OBS} observed concentration
Cr^{VI} hexavalent chromium
CYP cytochrome P450
DAF dosimetric adjustment factor
DCM dichloromethane
DES diethylstilbestrol

Appendix A 2
D_{H-d} \quad \text{dose of compound or active metabolite at site of action in default human}

D_L \quad \text{diffusing capacity}

DOD \quad \text{Department of Defense}

DPR \quad \text{Department of Pesticide Regulation (State of California, CalEPA)}

DPX \quad \text{DNA-protein cross-links}

EC_{05} \quad 5\% \text{ effective concentration (expected to produce a } 5\% \text{ toxic response rate)}

EEGL \quad \text{Emergency Exposure Guidance Level}

ERPG \quad \text{Emergency Response Planning Guidelines}

ET \quad \text{extrathoracic}

ETS \quad \text{environmental tobacco smoke}

FAS \quad \text{Fetal Alcohol Syndrome}

FDA \quad \text{Food and Drug Administration}

FEL \quad \text{frank effect level}

FEV_1 \quad \text{forced expiratory volume in one second}

FIFRA \quad \text{Federal Insecticide, Fungicide and Rodenticide Act}

FQPA \quad \text{Federal Food Quality Protection Act}

FVC \quad \text{forced vital capacity}

GFR \quad \text{glomerular filtration rate}

GLC \quad \text{ground level concentration}

GLPs \quad \text{Good Laboratory Practices}

GSH \quad \text{glutathione}

GSTs \quad \text{Glutathione sulfotransferases}

H&SC \quad \text{Health & Safety Code}

HARP \quad \text{Air Resources Board’s Hot Spots Analysis and Reporting Program}

HEC \quad \text{Human Equivalent Concentration}

Hg \quad \text{mercury}

HI \quad \text{hazard index}

IARC \quad \text{International Agency for Research on Cancer}

IBT \quad \text{Industrial Bio-Test Laboratories Inc.}

ICRP \quad \text{International Commission on Radiological Protection}

IRDC \quad \text{International Research and Development Corporation}

LCL \quad \text{lower confidence limit}

LD_{50} \quad \text{lethal dose to } 50\% \text{ of test animals in a given experiment}

LOAEL \quad \text{lowest-observed-adverse-effect-level}

LOEL \quad \text{lowest-observed-effect-level}

MLE \quad \text{maximum likelihood estimate}

MMAD \quad \text{mean mass aerodynamic diameter}

MPPD \quad \text{multiple path particle deposition model}
STEL  Short-term Exposure Limit
TACs  Toxic Air Contaminants
TB    tracheobronchial region
TCA   trichloroacetic acid
TCE   trichloroethylene
TD    toxicodynamic
TK    toxicokinetic
TLV-TWA Threshold Limit Value-Time Weighted Average
TSDs  Technical Support Documents
UCL   upper confidence limit
UF_A  interspecies uncertainty factor
UF_A-d interspecies uncertainty factor toxicodynamic component
UF_A-k interspecies uncertainty factor toxicokinetic component
UF_D  database deficiency uncertainty factor
UF_H  intraspecies uncertainty factor
UF_H-d intraspecies uncertainty factor toxicodynamic component
UF_H-k intraspecies uncertainty factor toxicokinetic component
UF_L  LOAEL uncertainty factor
UF_S  subchronic uncertainty factor
UFs   uncertainty factors
U.S. DHHS United States Department of Health and Human Services
U.S. EPA United States Environmental Protection Agency
Val   valine
Vd    volume of distribution
VOCs  volatile organic compounds
WHO   World Health Organization
\chi^2  chi-squared