

LIST OF ABBREVIATIONS AND ACRONYMS

ASTM	American Society for Testing and Materials
BRD	Background Review Document
°C	degrees centigrade
CAA	Clean Air Act
CASRN	Chemical Abstract Service Registry Number
CFR	Code of Federal Regulations
cm	centimeter
CP	cyclophosphamide
CRM	comparative research material
CV	coefficient of variation
DART	Developmental and Reproductive Toxicology
DNA	deoxyribonucleic acid
EC ₅₀	effective concentration (i.e., concentration inducing malformation in 50% of exposed embryos)
ECVAM	European Centre for the Validation of Alternative Methods
EGME	ethylene glycol monomethyl ether
EPA	U.S. Environmental Protection Agency
EST	embryonic stem cell
FETAX	Frog Embryo Teratogenesis Assay— <i>Xenopus</i>
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
FR	Federal Register
g	gram
GAP	Genetic Activity Profile
GLP	Good Laboratory Practice
GST	glutathione-S-transferase
h	measure of inter-laboratory variability
HCl	hydrochloric acid
HSDB	Hazardous Substances Data Bank

ICCVAM	Interagency Coordinating Committee for the Validation of Alternative Methods
k	measure of intra-laboratory variability
kg	kilogram
L	liter
LC ₅₀	lethal concentration (i.e., concentration inducing death in 50% of exposed embryos)
MAS	metabolic activation system
MCIG	minimum concentration to inhibit growth
MM	micromass
mg	milligrams
mL	milliliter
MMI	mortality/malformation index
mRNA	messenger ribonucleic acid
NADPH	nicotinamide adenine dinucleotide phosphate (reduced form)
NICEATM	NTP Interagency Center for the Evaluation of Alternative Toxicological Methods
NIEHS	National Institute of Environmental Health Sciences
NIOSH	National Institute for Occupational Safety and Health
NLM	National Library of Medicine
NTP	National Toxicology Program
OECD	Organization for Economic Cooperation and Development
PAH	polycyclic aromatic hydrocarbon
RNA	ribonucleic acid
RTECS®	Registry of Toxic Effects of Chemical Substances
SAR	structure-activity relationships
T ₃	triiodothyronine
TI	Teratogenic Index
TOC	total organic carbon
TU	Toxic Unit
TERIS	Teratogenic Effects of Drugs. A Resource for Clinicians

TSCA	Toxic Substances Control Act
µg	microgram
VPA	valproic acid
WEC	whole rat embryo culture