

LIST OF ABBREVIATIONS USED IN THIS VOLUME

- 1,25-(OH)₂D**: 1,25-dihydroxycholecalciferol
2-AAF: 2-acetylaminofluorene
6βOHF: 6β-hydroxycortisol
8-OH-dG: 8-OH-deoxyguanosine
AAS: atomic absorption spectrometry
ABEP: auditory brainstem evoked potential
ACGIH: American Conference of Governmental Industrial Hygienists
ALA: *δ*-aminolevulinic acid
ALAD: *δ*-aminolevulinic acid dehydratase
ALT: alanine aminotransferase
AOAC: Association of Official Analytical Chemists
AST: aspartate aminotransferase
ASTM: American Society for Testing and Materials
ASV: anode-stripping voltammetry
ATP: Adenosine triphosphate
AUC: area-under-the-curve
BEI: biological exposure index
bw: body weight
CaBP: calcium-binding proteins
CAT: computerized axial tomography
CBLI: cumulative blood lead index
CDC: US Centers for Disease Control and Prevention
CI: confidence interval
CNS: central nervous system
CRP: C-reactive protein
DMSA: dimercaptosuccinic acid
DMT: divalent cation metal transporter
DNA: deoxyribonucleic acid
DTH: delayed-type hypersensitivity
EDTA: ethylenediaminetetracetic acid
EHEN: *N*-ethyl-*N*-hydroxyethylnitrosamine
EP: erythrocyte protoporphyrin
EPA: Environmental Protection Agency (USA)
FBPA: *N*-(4'-fluoro-4-biphenyl) acetamide
Fpg: formamidopyrimidine-DNA glycosylase

FSH: follicle-stimulating hormone
GABA: γ -aminobutyric acid
GC: gas chromatography
GF–AAS: graphite furnace–atomic absorption spectrometry
GFR: glomerular filtration rate
GSH: reduced glutathione
GST: glutathione *S*-transferase
HOME: home observation for measurement of the environment
HP2: human protamine 2
HPG: hypothalamic–pituitary–gonadal
HPLC: high-performance liquid chromatography
Hsp: heat-shock protein
ICD-8: international classification of diseases 8th revision
ICD-9: international classification of diseases 9th revision
ICP–AES: inductively coupled plasma–atomic emission spectrometry
ICP–MS: inductively coupled plasma–mass spectrometry
IFN: interferon
IL: interleukin
IQ: intelligence quotient
IUGR: intrauterine growth retardation
IUPAC: International Union of Pure and Applied Chemistry
JECFA: Joint FAO/WHO Expert Committee on Food Additives
K α XRF: X-ray fluorescence, using K-alpha line excitation
LH: luteinizing hormone
MAPK: mitogen-activated protein kinase
MEK: MAP kinase kinase
MMAD: mass median aerodynamic diameter
MMD: mass median diameter
MNNG: *N*-methyl-*N*-nitro-*N*-nitrosoguanidine
NAG: *N*-acetyl- β -D-glucosaminidase
NBBN: *N*-butyl-*N*-(4-hydroxybutyl) nitrosamine
NDEA: *N*-nitrosodiethylamine
NDMA: *N*-nitrosodimethylamine
NHANES II: National Health and Nutrition Examination Survey II
NIOSH: National Institute for Occupational Safety and Health (USA)
NK: natural killer
NO: nitric oxide
NOAA: National Oceanic and Atmospheric Administration
OECD: Organisation for Economic Co-operation and Development
OR: odds ratio
OSHA: Occupational Safety and Health Administration (USA)
P5′N: pyrimidine 5′-nucleotidase

PbBP: lead-binding protein
PBGS: porphobilinogen synthase
PBMC: peripheral blood mononuclear cell
PBPK: physiologically based pharmacokinetic model
PBZ: personal breathing zone
PHA: phytohaemagglutinin
PID: photoionization detection
PKC: protein kinase C
PMOR: proportional mortality odds ratio
PVC: polyvinyl chloride
ROS: reactive oxygen species
SBG: steroid binding globulin
SBIS: Stanford-Binet Intelligence Scale
SCGE: single-cell gel electrophoresis
SIR: standardized incidence ratio
SMR: standardized mortality ratio
SOD: superoxide dismutase
SPMR: standardized proportional mortality rate
T3: triiodothyronine
T4: thyroxine
TFIIIA: transcription factor IIIA
TH: tyrosine hydrolase
TIMS: thermal ionization–mass spectrometry
TNF: tumor necrosis factor
TPA: 12-*O*-tetradecanoyl phorbol-13-acetate
TSH: thyroid-stimulating hormone
US DHUD: United States Department of Housing and Urban Development
US EPA: United States Environmental Protection Agency
US FDA: United States Food and Drug Administration
UV: ultraviolet
VDR: vitamin D receptor
VEP: visual-evoked potential
WISC-R: Wechsler revised intelligence scale for children
XRF: X-ray fluorescence
ZPP: zinc protoporphyrin
βNF: 5,6-benzoflavone
γGT: γ-glutamyl transpeptidase