LIST OF ABBREVIATIONS

(* in tables only)

AAF	acetylaminefluorene
ADC *	adenocarcinoma
ADDA	β-amino acid, 3-amino-9-methoxy-2,6,8-trimethyl-10-phenyldeca-4(*E*),6(*E*)-dienoic acid
ADI	accepted daily intake
ala *	alanyl
ALT	alanine transaminase
arg *	arginyl
asp *	aspartyl
AST	aspartate transaminase
BBNA	*N*-butyl-*N*-(4-hydroxybutyl)nitrosamine
BNU	1-butyl-1-nitrosourea
bw	body weight
CAS	Chemical Abstracts Service
CD *	conductivity detection
CE *	cation exchanger
CFA *	continuous flow analysis
CI	confidence interval
CIE *	capillary ion electrophoresis
CSEC *	chemical suppression of eluant conductivity
DBA	dibutylamine
DCD *	direct conductivity detection
DDAO	*N*,*N*-dimethyldodecylamine-*N*-oxide
DHPA	bis(2-hydroxypropyl)amine
DMA *	dimethylamine
DMBA	7,12-dimethylbenz[*a*]anthracene
dw *	drinking-water
ELISA	enzyme-linked immunosorbent assay
ENU	*N*-ethyl-*N*-nitrosourea
EPIC	European Prospective Investigation into Cancer and Nutrition
ETU	ethylenethiourea

FAO	Food and Agricultural Organization
FCT *	food composition table
FFQ *	food-frequency questionnaire
FIA *	flow injection analysis
glu *	glutamyl
GSH	glutathione
GST-P	glutathione *S*-transferase form-positive
H_2O_2 *	hydrogen peroxide
HCC	hepatocellular carcinoma
HID *	highest ineffective dose
HPLC	high-performance liquid chromatography
HPRT and *hprt*	hypoxanthine–guanine phosphoribosyltransferase gene
HTHQ	1-*O*-hexyl-2,3,5-trimethylhydroquinone
IC_{50}	concentration that leads to 50% inhibition
ICD	International Classification of Diseases
IEC *	ion-exchange chromatography
ig *	intragastric
ip *	intraperitoneal
IQ	2-amino-3-methylimidazo[4,5-*f*]quinoline
iv *	intravenous
k	rate constant
L	leucine
LC *	liquid chromatography
LD_{50}	dose that is lethal to 50% of animals
LED *	lowest effective dose
leu *	leucyl
MALDI-TOF*	matrix-assisted laser desorption/ionization time-of-flight
max. *	maximum
MC *	microcystin
Mdhb	2-(methylamino)-2-dehydrobutyric acid
Me *	methyl
met *	methionine
min. *	minimum
MNNG	*N*-methyl-*N*′-nitro-*N*-nitrosoguanidine
MNU	*N*-methylnitrosourea
MS *	mass spectrometry
$NaBH_4$ *	sodium borohydrate
$NaHCO_3$ *	sodium bicarbonate
NCI SEER *	National Cancer Institute Survey of Epidemiology End Results
ND *	not detected
NDEA	*N*-nitrosodiethylamine

NDMA	*N*-nitrosodimethylamine
NDPHA	*N*-nitroso-bis(2-hydroxypropyl)amine
NIE *	nitrate ion electrode
NMOR	*N*-nitrosomorpholine
NO_2^- *	nitrite ion
NO_2^--N *	nitrite nitrogen
NO_3^- *	nitrate ion
NO_3^--N *	nitrate nitrogen
NOD *	nodularin
NPC	nasopharyngeal carcinoma
NPRO	*N*-nitrosoproline
NPYR	*N*-nitrosopyrrolidine
NR *	not reported
NS *	not significant
NT *	not tested
NTCA	*N*-nitrosothiazolidine-4-carboxylic acid
NTP	National Toxicology Program
OATP	organic ion transporter polypeptide
PhIP	2-amino-1-methyl-6-phenylimidazo[4,5-*b*]pyridine
PP	protein phosphatase
PTP *	protein tyrosine phosphatase
Q *	quantile
R	argenine
SCC *	squamous-cell carcinoma
SCD *	specific conductivity detection
SE	standard error
SFA *	segmented flow analysis
SIR	standardized incidence ratio
SMR	standardized mortality ratio
T *	tertile
TBHQ	*tert*-butylhydroquinone
TDI	tolerated daily intake
tyr *	tyrosine
USDA *	US Department of Agriculture
UVD *	ultraviolet detection
UVS *	ultraviolet spectrophotometry
vit– *	without vitamin C supplement
vit C *	vitamin C
vit+ *	with vitamin C supplement
vol. *	volume