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ABBREVIATIONS AND ACRONYMS

µg/kg bw/d	Micrograms per kilogram of body weight per day
µg/m ³	Microgram per cubic metre
mg	Milligram (1 x 10 ⁻³ grams)
µg	Microgram (1 x 10 ⁻⁶ grams)
ng	Nanogram (1 x 10 ⁻⁹ grams)
95% UCLM	95 th Upper confidence limit of the mean
AAQC	Ambient Air Quality Criteria
ABA	Absolute bioavailability
ACGIH	American Conference of Government and Industrial Hygienists
ADAF	Age-dependent adjustment factor
ADI	Acceptable daily intake
ASU	Analytical Services Unit, Queen's University
ATSDR	Agency for Toxic Substances and Disease Registry
AWRA	Area-wide risk assessment
BINWOE	Binary weight-of-evidence
BLL	Blood lead level
BMDL	Benchmark dose level
BTF	Biotransfer factor
BW	Body weight
CAC	Community Advisory Committee
Cal EPA	California Environmental Protection Agency
CCME	Canadian Council of Ministers of the Environment
CDC	Center for Disease Control and Prevention
CEPA	Canadian Environmental Protection Act
CI	Confidence interval
COC	Chemical of concern
COI	Community of interest
CR	Concentration ratio
CRL	Cancer risk level
CSF	Cancer slope factor
CTDS	Canadian Total Diet Study
CTE	Central Tendency Estimate
DL	Detection Limit
DWEL	Drinking water equivalent level
DWSP	Drinking Water Surveillance Program
EC	Environment Canada
ECF	Extracellular fluid
EDI	Estimated daily intake
EEM	Environmental effects monitoring
EPC	Exposure point concentration
ESG	Environmental Services Group, Royal Military College of Canada
EU	Exposure unit
FAO	Food and Agriculture Organization of the United Nations
FDA	U.S. Food and Drug Administration
FFTIS	Flin Flon Tailings Impoundment System
GI	Gastrointestinal
GLSFCAT	Great Lakes Sport Fish Consumption Advisory Task Force
GSD	Geometric standard deviation
HBMS	Hudson Bay Mining and Smelting

ABBREVIATIONS AND ACRONYMS – Continued

HC	Health Canada
Hg ⁰	Elemental mercury
HHRA	Human health risk assessment
HI	Hazard index
HQ	Hazard quotient
IARC	International Agency for Research on Cancer
IEUBK	Integrated Exposure Uptake Biokinetic Model
ILCR	Incremental lifetime cancer risk
IOC _{POP}	Intake of concern (population)
IOM	Institute of Medicine
IPCS	International Programme on Chemical Safety
IRIS	Integrated Risk Information System
IUR	Inhalation unit risk
IVBA	<i>In Vitro</i> bioaccessibility
JECFA	Joint FAO/WHO Expert Committee on Food Additives
JW	Jacques Whitford
LADD	Lifetime average daily dose
LOAEL	Lowest observed adverse effect level
MADL	Maximum allowable daily level
MDL	Method detection limit
MRL	Minimal risk level
MSA	Multiple source analysis
MSWQC	Manitoba Surface Water Quality Criteria
NAAQ	National Ambient Air Quality Standard
NAPS	National Air Pollution Surveillance
NMSC	Non-melanoma skin cancers
NOAEL	No observed adverse effect level
NRC	National Research Council
NTP	National Toxicology Program
OEHHA	Office of Environmental Health Hazard Assessment (California)
OMOE	Ontario Ministry of the Environment
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic aromatic hydrocarbon
PbB	Blood lead
PBET	Physiologically based extraction test
PBPK	Physiologically-based pharmacokinetic model
PDI	Permissible daily intake
PM ₁₀	Particulate matter which is less than 10 µm in diameter.
PM _{2.5}	Particulate matter which is less than 2.5 µm in diameter.
ppm	parts per million
ppb	parts per billion
PRA	Probabilistic risk assessment
PSS	Property-specific soil standards
PTC	Provisional Trigger Concentration
pTDI	Provisional tolerable daily intake
pTWI	Provisional tolerable weekly intake
q ₁ *	Slope factor
RAF	Relative absorption factor

ABBREVIATIONS AND ACRONYMS – Continued

RBC	Risk-based concentrations
REL	Reference exposure level
RfC	Reference concentration
RfD	Reference dose
RIVM	National Institute for Public Health and the Environment (Netherlands)
RMC	Risk management criteria
RME	Reasonable maximum exposure
RTDI	Residual tolerable daily intake
SF	Cancer slope factor
SFo	Oral slope factor
SFi	Inhalation slope factor
SQGhh	Human health-based soil quality guidelines
SSRA	Site-specific risk assessment
TAC	Technical Advisory Committee
TC	Tolerable concentration
TCA	Tolerable concentration in air
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
TDI	Tolerable daily intake
TDS	Total Diet Study
TR	Typical resident
TRV	Toxicological reference value
TSP	Total suspended particulates
TTD	Target-organ toxicity dose
UF	Uncertainty factor
UCLM	Upper confidence limit on the mean
UL	Upper intake level
URF	Unit risk factor
U.S. EPA	United States Environmental Protection Agency
U.S. FDA	United States Food and Drug Administration
WHO	World Health Organization
WOE	Weight-of-Evidence
1E+01	Scientific notation – positive power indicates a number greater than 1.0 and in this case 10
1E+0	Scientific notation – neutral power indicates a number greater than one and less than ten and in this case 1.0
1E-01	Scientific notation – negative power indicates a number less than 1.0 and in this case 0.1