Deriving a health-based guidance value for boron to support development of UK Drinking Water Standards

List of abbreviations

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This is a paper for discussion. This does not represent the views of the Committee and should not be cited.

ATSDR Agency for Toxic Substances and Disease Registry

BMDL05 is the benchmark dose lower limit (BMDL) associated with a benchmark response (BMR) of 5%.

bw Body Weight

CAS Chemical Abstracts Service

COT Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment

DWI Drinking Water Inspectorate

EFSA European Food Safety Authority

GD Gestation Day

HBGV Health-based guidance value

LOAEL Lowest Observed Adverse Effect Level - the lowest dose in a study at which adverse effect(s) are observed.

mg milligram

Minimal Risk Level - an estimate of the daily human exposure to a MRL substance that is likely to be without appreciable risk of adverse noncancer health effects over a specified duration of exposure

NOAEL NO Observed Adverse Effect Level - the highest administered dose at which no adverse effect has been observed.

NTP National Toxicology Program

PND Postnatal Day

PoD Point of Departure

ppm Parts per million

Tolerable Daily Intake - an estimate of the amount of a contaminant,

TDI expressed on a body weight basis (e.g., mg/kg body weight) that can be ingested over a lifetime without appreciable health risk.

UKHSA UK Health Security Agency

US EPA US Environmental Protection Agency

WHO World Health Organization