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LIST OF ABBREVIATIONS AND SYMBOLS

ASV	=	Anodic stripping voltammetry
As ^v	=	Arsenate
As ^{III}	=	Arsenite
AsB	=	Arsenobetaine
AsC	=	Arsenocholine
AFS	=	Atomic fluorescence spectrometry
CE-UV	=	Capillary electrophoresis-ultraviolet detector
CSV	=	Cathodic stripping voltammetry
CRM	=	Certified Reference Material
m ³ day ⁻¹	=	Cubic meter per day
CV	=	Cyclic voltammetry
DPCSV	=	Differential pulse cathodic stripping voltammetry
DMAA	=	Dimethylarsinic acid
E _{dep}	=	Electrodeposition potential
t _{dep}	=	Electrodeposition time
EFs	=	Enrichment factors
E _f	=	Final scanning potential
FI-HG-AAS	=	Flow injection-hydride generation-atomic absorption spectrophotometry
HMDE	=	Hanging mercury drop electrode
HG	=	Hydride generation
HPLC	=	High performance liquid chromatography
ICP-AES	=	Inductively coupled plasma-atomic emission spectrometry
ICP-MS	=	Inductively coupled plasma-mass spectrometry
LD ₅₀	=	50% lethal oral dose
LOD	=	Limit of detection

LIST OF ABBREVIATIONS AND SYMBOLS (CONTINUED)

LOQ	=	Limit of quantification
MCL	=	Maximum contaminant level
μA	=	Microampere
$\mu\text{g g}^{-1}$	=	Microgram per gram
$\mu\text{g l}^{-1}$	=	Microgram per liter
mg kg^{-1}	=	Milligram per kilogram
mg l^{-1}	=	Milligram per liter
mM	=	Millimolar
M	=	Molar
MMAA	=	Monomethylarsonic acid
ND	=	Not detected
ppb	=	Part per billion
ppm	=	Part per million
SWCSV	=	Square wave cathodic stripping voltammetry
$E_{1/2}$	=	Stripping peak potential
TAs	=	Total arsenic
TMAO	=	Trimethylarsine oxide
USEPA	=	United States Environmental Protection Agency
V	=	Volt