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Abbreviations

AAS	Atomic Absorption Spectrometry
ACC	Acid Consuming Capacity
ACR	Acute-Chronic Ratio
AE	Assimilation Efficiency
AES	Atomic Emission Spectrometry
APP	Acid Producing Potential
ASV	Anodic Stripping Voltametry
AVS	Acid Volatile Sulphide
BAF	Bioaccumulation Factor
BCR	EC Bureau for Chemical Reference Materials
BET-method	method to assess the specific surface area of solids by nitrogen absorption
BIOMET	Bacterial Metal-lux Biosensor
BLM	Biotic Ligand Model
C&D	Construction and Demolition Waste
CA	Component Additivity approach
CBC	Copper Binding Compound (co-factor protein)
CCM	Capacitance Model
C_E	effective concentration
CEC	Cation Exchange Capacity
CEN TC	European Committee for Standardization Technical Committee
CRM	Certified Reference Material
CSV	Cathodic Stripping Voltametry
DDL	Diffused Double-Layer model
DGT	Diffusive Gradients in Thin Films method
DIN	Deutsche IndustrieNorm
DLM	Diffusive Layer Model
DM	Dry Matter
DOC	Dissolved Organic Carbon
DOM	Dissolved Organic Matter
DPV/SV	Differential Pulse Voltametry/Stripping Voltametry
DS	Dry Substance

DTMP	Degree of Trace Metal Pyritization
DTPA	DiethyleneTriaminePentaAcetic acid
dw	dry weight
EC	European Commission
EC50	Effect Concentration to 50% of organisms
EDS	Energy Dispersive Spectroscopy
EDTA	EthyleneDiaminetetraAcetic acid
EDXA	Energy Dispersive X-ray Analysis
E_h	redox potential
ELV	End-of-Life Vehicles
EM	Electrophoretic Mobility
EqP	Equilibrium Partitioning
ERM	Effective Range Mean Concentration
ESR	Electron Spin Resonance
EU	European Union
EXAFS	Extended X-ray Absorption Fine Structure analysis
FIAM	Free Ion Activity Model
f_{oc}	Organic Carbon fraction in the sediment
GC	Generalized Composite approach
GEMS	Guidelines for Environmental Monitoring Systems
GSIM	Gill Surface Interaction Model
HC50	Hazardous Concentration to 50% of organisms
HDMT	Helmke-Donnan Membrane Technique
HMW	High Molecular Weight
HPLC	High Performance Liquid Chromatography
HW	Hazardous Waste
ICA	International Copper Association
ICMM	International Council on Mining and Metals
ICP-MS	Inductively Coupled Plasma - Mass Spectrometry
ICSG	International Copper Study Group
IPCS	International Programme on Chemical Safety
IRB	Iron Reducing Bacteria
ISE	Ion-Selective Electrode

IW	Industrial Waste
IW	Interstitial Water
IWTU	Interstitial Water Toxic Unit
kBq	kilo Becquerel (measure of radioactivity)
k_d	distribution coefficient
k_{OC}	Organic Carbon based partition coefficient
kt	kilo (thousand) tons
KTH	Royal Technical University, Stockholm (Kungliga Tekniska Högskola)
LA ₅₀	Lethal Activity to 50% of organisms
LBRL	Lowest Biological Risk Level
LC50	Lethal Concentration to 50% of organisms
LOEC	Lowest-Observed-Effect Conccentration
LOI	Loss On Ignition
Me ⁿ⁺	free metal ion concentration
MFA	Material Flow Analysis
MFG	MiljöforskarGruppen
MINTEQA2 and MINTEQ	Water-Ligand Geochemical Computer Models
MITF	Metal Information Task Force
MSW	Municipal Solid Waste
Mt	Million tons
MW	Molecular Weight
NEM	Non-Electrostatic Model
NGO	Non-Governmental Organisation
NOEC	No-Observed-Effect Concentration
NOM	Natural Organic Matter
NPK	Nitrogen-Phosphorus-Pottasium mineral fertilizer
OC	Organic Carbon
OCEE	Optimal Concentration Range for Essential Elements
OECD	Organisation for Economic Cooperation and Development
OM	Organic Matter
PAH	PolyAromated Hydrocarbons
PCA	Principal Component Analysis
PCB	PolyCyclic Biphenolic Compounds
PDI	Predicted Daily Intake

PEC	Predicted Environmental Concentration
pH _{IEP}	isoelectric point
pH _{PZC}	point-of-zero-charge
pK	dissociation constant
PLS	Partial Least Squares projection
PNEC	Predicted No-Effect Concentration
POM	Particulate Organic Matter
PW	Pore Water
ROS	Refractory Organic Substances
RT	Residence Time
SC	Surface Complexation
SCDA	Scandinavian Copper Development Association
SEC	Size Exclusion Chromatography
SEK	Swedish Crowns
SEM	Scanning Electron Microscopy
SEM	Simultaneously Extracted Metals
SEP	Sequential Extraction Procedure
SEPA	Swedish Environmental Protection Agency
SFA	Substance Flow Analysis
SGU	Swedish Geological Survey
SIMS	Selective Ion Mass Spectroscopy
SMAV	Species Mean Acute Value (geometric mean of LC ₅₀ values for a given species)
SOFIE	Sediment Or Fauna Incubation Experimental systems
SOM	Soil Organic Matter
SQC	Sediment Quality Criteria
SQG	Sediment Quality Guideline
SQV	Sediment Quality Value
SRB	Sulphate Reducing Bacteria
SS	Sewage Sludge
SSD	Species Sensitivity Distribution
STAF-Europe	Stocks and Flows Europe
STP	Sewage Treatment Plant
SWAMP	Sediment Water Algorithm for Metal Partitioning
Tc	soil-plant transfer coefficient
TDI	Tolerable Daily Intake

TEM	Transmission Electron Microscopy
TI	Toxicity Index
TLM	Triple Layer Model
TOC	Total Organic Carbon
TRS	Total Reducible Sulphide
TSS	Total Suspended Solids
TU	Toxic Unit (1 TU = 100/EC50)
UNESCO	United Nations Educational Programme
USD	US Dollar
USEPA	US Environmental Protection Agency
WEEE	Waste from Electrical and Electronic Equipment
WHAM	Windermere Humic-Aqueous Model
WHAM-SCAMP	geochemical speciation code
WHO	World Health Organisation
XANES	X-ray Absorption Near-Edge Structure analysis
XAS	X-ray Absorption Spectrometry

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