

LIST OF ABBREVIATIONS

AAS	Atomic Absorption Spectrometer
ACS-CEI	American Chemical Society Committee on Environmental Improvements
AFS	Atomic Fluorescence Spectroscopy
AP	Analyte Partitioning
ASD	Aerosol Size Distribution
CEC	Cation Exchange Capacity
CN	Cyanide
CRM	Certified Reference Materials
DCP	Direct Current Plasma Spectrometry
DSI	Direct Sample Insertion
EDTA	Ethylenediamine tetra-acetic acid
EVT	Electrothermal Vapourization
ETV-ICPMS	Electrothermal Vapourization –Inductively Coupled Plasma Mass Spectrometry
ETAAS	Electrothermal Atomic Absorption Spectroscopy
FAAS	Flame Atomic Absorption Spectrometry
FETV-OES	Fluorination-assisted Electro-thermal Vapourization Optical Emission Spectroscopy
FIA	Flow Injection Analysis
FM 13	Female Size 13 millimeters

GFAAS	Graphite Furnace Atomic Absorption Spectroscopy
GSAM	Generalized Standard Addition Method
HGAAS	Hydride Generation Atomic Absorption Spectroscopy
HGGFAAS	Hydride Generation Graphite Furnace Atomic Absorption Spectroscopy
IC Plasma	Inductively Coupled Plasma
ICP-OES	Inductively Coupled Plasma Optical Emission Spectroscopy
ICP MS	Inductively Coupled Plasma Mass Spectroscopy
ID	In diameter (i.d)
INAA	Instrumental Neutron Activation Analysis
KGW	Potassium Gadolinium Tungstate
KTP	Potassium Titanyl Phosphate
LA ICP MS	Laser Ablation Inductively Coupled Plasma Mass Spectrometry
LALLS	Low Angle Laser Light Scattering
MS 13	Male size 13 millimeters
ND	Not Detected
NiS	Nickel Sulphide
NEMA	National Environmental and Management Act
ORP	Oxidation Reduction Potential
PCS	Photon Correlation Spectroscopy

PGMs	Platinum Group Metals
R.F	Radio Frequency
RPM	Revolutions per minute (rpm)
RTP	Rubidium Titanyl Phosphate
SCN	Thiocyanate (SCN^-)
RSD	Relative Standard Deviation
SRMs	Standard Reference Materials
SST MIP OES	Slurry Sample Technique Microwave Induced Plasma Optical Emission Spectroscopy
TAC	Thioacetamide
UV-VIS	Ultra-violet visible spectrometry
USS-ETV-ICP-MS	Ultrasonic Slurry Sampling Electrothermal Vapourization Inductively Coupled Plasma
USS-ETV-ID-ICP-MS	Ultrasonic Slurry Sampling Electrothermal Vapourization Isotopic Dilution Inductively Coupled Plasma
XRD	X-Ray Diffraction