

## Glossary of Abbreviations

Whenever suitable, elements may be referred to by their chemical symbols and compounds by their formulae. The following abbreviations are used extensively in the Atomic Spectrometry Updates.

a.c.	alternating current	IBMK	isobutyl methyl ketone (4-methylpentan-2-one)
AA	atomic absorption	ICP	inductively coupled plasma
AAS	atomic absorption spectrometry	ICP-MS	inductively coupled plasma mass spectrometry
AE	atomic emission	IR	infrared
AES	atomic emission spectrometry	LC	liquid chromatography
AF	atomic fluorescence	LMMS	laser microprobe mass spectrometry
AFS	atomic fluorescence spectrometry	LTE	local thermal equilibrium
APDC	ammonium pyrrolidinedithiocarbamate (ammonium tetramethylenedithiocarbamate)	MECA	molecular emission cavity analysis
ASV	anodic-stripping voltammetry	MIP	microwave-induced plasma
CCP	capacitively coupled plasma	MS	mass spectrometry
CMP	capacitively coupled microwave plasma	NAA	neutron activation analysis
CRM	certified reference material	NaDDC	sodium diethyldithiocarbamate
CW	continuous wave	NTA	nitrotriacetic acid
d.c.	direct current	OES	optical emission spectrometry
DCP	d.c. plasma	PIGE	particle-induced gamma-ray emission
DMF	<i>N,N</i> -dimethylformamide	PIXE	particle-induced X-ray emission
DNA	deoxyribonucleic acid	PMT	photomultiplier tube
EDL	electrodeless discharge lamp	p.p.b.	parts per billion
EDTA	ethylenediaminetetraacetic acid	p.p.m.	parts per million
EDXRF	energy dispersive X-ray fluorescence	PTFE	polytetrafluoroethylene
EIE	easily ionisable element	r.f.	radiofrequency
EPMA	electron probe microanalysis	REE	rare earth element
ETA	electrothermal atomisation	RIMS	resonance induced mass spectrometry
ETAAS	electrothermal atomic absorption spectrometry	RM	reference material
ETV	electrothermal vaporisation	RSD	relative standard deviation
EXAFS	extended X-ray absorption fine structure spectroscopy	SBR	signal to background ratio
FAAS	flame AAS	SEM	scanning electron microscopy
FAES	flame AES	SFC	supercritical fluid chromatography
FAFS	flame AFS	Si(Li)	lithium-drifted silicon
FI	flow injection	SNR	signal to noise ratio
FT	Fourier transform	SR	synchrotron radiation
FTMS	Fourier transform mass spectrometry	SSMS	spark source mass spectrometry
GC	gas chromatography	TCA	trichloroacetic acid
GD	glow discharge	TIMS	thermal ionisation mass spectrometry
GDL	glow discharge lamp	TLC	thin-layer chromatography
GDMS	glow discharge mass spectrometry	TOPO	triocetylphosphine oxide
Ge(Li)	lithium-drifted germanium	TXRF	total reflection X-ray fluorescence
HCL	hollow-cathode lamp	u.h.f.	ultra-high-frequency
h.f.	high-frequency	UV	ultraviolet
HPGe	high-purity germanium	VDU	visual display unit
HPLC	high-performance liquid chromatography	VUV	vacuum ultraviolet
		WDXRF	wavelength dispersive X-ray fluorescence
		XRF	X-ray fluorescence