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LIST OF ILLUSTRATIONS

ABBREAVIATIONS AND SYMBOLS

FBA	flow-based analysis
FI	flow injection
FIA	flow injection analysis
n-FIA	normal-flow injection analysis
r-FIA	reverse-flow injection analysis
SI	sequential injection
SIA	sequential injection analysis
C^0	original concentration of the interested solution
C^{max}	concentration of the injected solution at the peak maximum of the dispersed zone
D_p	dispersion coefficient
D	detector
HC	holding coil
MC	mixing coil
IV	injection valve
P	pump
PC	personal computer
R	recorder
S	sample

SP	syringe pump
V	valve
W	waste
ETAAS	electrothermal atomic absorption spectrometry
FAAS	flame atomic absorption spectrometry
FI-AAS	flow injection-atomic absorption spectrometry
HG-AAS	hydride generation-atomic absorption spectrometry
ICP-AES	inductively coupled plasma-atomic emission spectrometry
ICP-MS	inductively coupled plasma-mass spectrometry
LC-HG-AAS	liquid chromatography-hydride generation-atomic absorption spectrometry
ASV	anodic stripping voltammetry
E	potential
EC	electrochemical flow-cell
GCE	glassy carbon electrode
i	current
RE	reference electrode
WE	working electrode
AE	auxiliary electrode
IX	ion exchange
SPE	solid phase extraction
CE	concentration efficiency

DL	detection limit
EF	enrichment factor
LOD	limit of detection
LR	linear range
DDC	diethyl-dithiocarbamate
DI-water	deionised-water
MIBK	methyl-isobutyl ketone
Ref	reference
rpm	round per minute
WHO	The World Health Organization
λ_{max}	wavelength of maximum absorption
λ_{anal}	analytical wavelength