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# ABBREVIATIONS AND SYMBOLS

| | |
|---|---|
| AAS | atomic absorption spectrometry |
| AES | atomic emission spectrometry |
| cm | centimeter |
| CRM | certified reference material |
| DDTC | diethyldithiocarbamate |
| EDTA | ethylenediaminetetraacetic acid |
| Expt. No. | experiment number |
| FAAS | flame atomic absorption spectrometry |
| FIA | flow injection analysis |
| FTIR | fourier transform infrared spectrometry |
| GC | gas chromatography |
| GFAAS | graphite furnace atomic absorption spectrometry |
| HPLC | high-performance liquid chromatography |
| IC | ion chromatography |
| ICP | inductively coupled plasma |
| ICP-AES | inductively coupled plasma atomic emission spectrometry |
| ICP-MS | inductively coupled plasma mass spectrometry |
| ICP-OES | inductively coupled plasma optical emission spectrometry |
| ICP-TOFMS | inductively coupled plasma time of flight mass spectrometry |
| ID-ICP-MS | isotope dilution inductively coupled plasma mass spectrometry |
| i.d. | inner diameter |
| LC | liquid chromatography |
| LOD | limit of detection |

| | |
|---|---|
| M | molar (mol/l) |
| min | minute |
| mm | millimeter |
| mV | millivolt |
| No. | number |
| PAN | pyridylazo napthol |
| PAR | 4-(2-pyridylazo)resorcinol |
| PTFE | polytetrafluoroethylene |
| RP | reverse phase |
| rpm. | round per minute |
| RSD | relative standard deviation |
| s | second |
| SD | standard deviation |
| SIA | sequential injection analysis |
| SRM | standard reference material |
| UV-VIS | ultraviolet visible spectrophotometry |
| v/v | volume by volume |
| w/v | weight by volume |
| XRF | X-ray fluorescence spectrometry |
| $\bar{X}$ | mean |
| $\lambda$ | wavelength |
| $\lambda_{anal}$ | analytical wavelength |

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