Survey of Scientific Literature

Trace Elements in Food: Interferences in ICP-MS

This list has been drafted for EU-RL CEFAO scope and is not to be considered exhaustive. The listing does not imply any endorsement by the EU-RL or in any way mean a negative judgement, in case some article is missing.

1. Elimination of chloride interference on arsenic speciation in ion chromatography inductively coupled mass spectrometry using an octopole collision/reaction system
ZuLiang Chen, Nasreen Islam Khan Gary Owens Ravendra Naidu
*Microchemical Journal* 2007, 87: 87-90

2. Determination of arsenic in seagrass using inductively coupled plasma mass spectrometry
Yong Cai, Myron Georgiadis James W. Fourqurean
*Spectrochimica Acta Part B* 2000, 55: 1411-1422

3. Determination of arsenic in chloride matrices
Perkin Elmer 2010

4. Consideration for the determination of trace concentration of arsenic in environmental water samples
H.E.Taylor 2010

5. Minimizing interferences in the quantitative multielement analysis of trace elements in biological fluids by inductively coupled plasma mass spectrometry
Chiung-Sheng Hsiung, Joseph D. Andrade Robert Costa and K. Owen Ash
*Clinical Chemistry* 1997, 43: 2303-2311

6. Eliminating molybdenum oxide interference in urine cadmium biomonitoring using ICP-DRC-MS
Jeffery M.Jarrett, Ge Xiao Kathleen L. Caldwell Dana Henahan Gulchekhra Shakirova and Robert L. Jones
*Journal of Analytical Atomic Spectrometry* 2008, 23: 962-967

7. Non-spectral and spectral interferences in inductively coupled plasma high-resolution mass spectrometry
Naoko Nonose and Masaaki Kubota
*Journal of Analytical Atomic Spectrometry* 2001, 16: 560-566
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8. Matrix interference diagnostics for the automation of inductively coupled plasma mass spectrometry (ICP-MS)
   John W. Tromp, Raphaël T. Tremblay Jean-Michel Mermet and Eric D. Salin

9. Determination of molybdenum in environmental samples
   K. Pyrzynska