

Referências bibliográficas

ADDISON, F. R. S.; SOWERBY, D. B. **INORGANIC CHEMISTRY**, MTP INTERNATIONAL REVIEW OF SCIENCE. Series one, v.2, London: 1972, 327 p.

BALDWIN, R. Process for the removal of selenium from aqueous systems. **U.S. Patent** 4, p. 405-464. 1985.

BATISTA, J. R.; YONG, J. C. The influence of aqueous silica on the adsorption of selenium by activated alumina. *WATER RESEARCH*, 167, p. 81-82. 1994.

BAYONA, J. M.; CAI, Y.; CABAÑAS, M.; FERNANDEZ-TURIEL, J. L.; ABALOS, M. On-line preconcentration of selenium (IV) and selenium (VI) in aqueous matrices followed by liquid chromatography-inductively coupled plasma mass spectrometry determination, *ANALYTICA CHIMICA ACTA*. 314, p. 183-192, 1995.

BOEGEL, J.; CLIFFORD, D. Selenium oxidation and removal by ion exchange. **EPA/600/2-86/031**. Washington: 1986.

BRYCE, D. W.; IZQUIERDO, A.; CASTRO, M.D. Use of focused microwave for expeditive shortening of sample pre-treatment: digestion and reduction procedures prior to selenium speciation as selenium (IV) or selenium (VI). *ANALYST*, 120, p. 2171-2174, 1995.

CASELLA, I. G.; GUASCITO, M. R.; BENEDETTO, G. Electrooxidation of thiocyanate on the copper-modified gold electrode and its amperometric determination by ion chromatography. *ANALYST*, 123, p. 1359-1363, 1998.

CERVERA, M. L.; DAS, A. K.; DE LA GUARDIA, M. Literature survey of on-line elemental speciation in aqueous solutions. *TALANTA*, 55, p. 1-28, 2001.

COOKEAS, E. G.; EFSTATHIOU, C. E. Flow injection amperometric determination of thiocyanate and selenocyanate at a cobalt phtalocyanine modified carbon paste electrode. *ANALYST*, 119, p. 1607-1612, 1994.

GUERIN, T.; ASTRUC, A.; ASTRUC, M. Speciation of arsenic and selenium compounds by HPLC hyphenated to specific detectors: a review of the main separation techniques. *TALANTA*, 50, p. 1-24, 1999.

HORNUNG, S. M. J.; GHOSH, M. Selenium removal in fixed- bed activated alumina adsorbers. In: **Crear a New Excellence. AWWA Annual Conference**, p. 299-318, 1983.

HILL, S. J.; PITTS, L.; WORSFOLD, P. J. Investigation into the kinetics of selenium (VI) reduction using hydride generation atomic-fluorescence detection. **JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY**, 10, p. 409-411, 1995.

JACKSON, B. P.; MILLER W. P. Soluble arsenic and selenium species in fly ash/organic waste-amended soils using ion chromatography-ICPMS. **ENVIRONMENTAL SCIENCE & TECHNOLOGY**, 33, p. 270-275, 1999.

JANOS, P.; ACZEL P. Ion chromatographic separation of selenite and selenate using a polyanionic eluent. **JOURNAL OF CHROMATOGRAPHY A**, 749, p. 115-122, 1996.

JEN, J.; YANG, Y.; CHENG, C. Simultaneous speciation of aqueous selenium (IV) and selenium (VI) by high-performance liquid chromatography with ultraviolet detection. **JOURNAL OF CHROMATOGRAPHY A**, 791, p. 357-360, 1997.

JOHNSON, T. M.; BULLEN, T. D.; ZAWISLANSKI, P. T. Selenium stable isotope ratios as indicators of sources and cycling of selenium: results from the northern reach of San Francisco Bay. **ENVIRONMENTAL SCIENCE & TECHNOLOGY**, 34, p. 2075-2079, 2000.

KAPOOR, A.; TANJORE, T.; VIRAGHAVAN, T. Removal of selenium from wastewaters. **ENVIRONMENTAL SCIENCE & TECHNOLOGY**, 49, p. 137-147, 1995.

LUKASIEWICZ, R. J. Selenium speciation of process and discharge waters by IC-ICPMS. Presented at the **WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY**, San Diego: CA, 1994.

MANCEAU, A.; GALLUP, D. L. Removal of selenocyanate in water by precipitation: characterization of copper-selenium precipitate by x-ray diffraction, infrared, and x-ray absorption spectroscopy. **ENVIRONMENTAL SCIENCE & TECHNOLOGY**, 31, p. 968-976, 1997.

MANNING, B. A.; BURAL, R. G. Se immobilization in evaporation pond sediments by *in situ* precipitation of ferric oxyhydroxide. **ENVIRONMENTAL SCIENCE & TECHNOLOGY**, 29, p. 2639-2646, 1995.

MARIANO, J. B. Impactos ambientais da atividade de refino de petróleo. Dissertação de mestrado. COPPE/UFRJ, Rio de Janeiro, 2001, 216p.

MAURINO, V.; MINERO, C. Cyanuric acid-based eluent for suppressed anion chromatography. *ANALYTICAL CHEMISTRY*, 69, p. 3333-3338, 1997.

MENG, X.; BANG, S.; KORFIATIS, G. P. Removal of selenocyanate from water using elemental iron. *WATER RESEARCH*, 36, p. 3867-3873, 2002.

MIRZA, A. H.; RAMACHANDRAN, V. Removal of As and Se from wastewaters - a review, In: **SECOND INTERNATIONAL SYMPOSIUM ON EXTRACTION AND PROCESSING FOR THE TREATMENT AND MINIMIZATION OF WASTE**, Warrendale: P. A, 1996.

NARASAKI, H.; MAYUMI, K. Differential determination of selenium (IV) and selenium (VI) in river water by hydride generation inductively coupled plasma atomic emission spectrometry. *ANALYTICAL SCIENCES*, 16, p. 65-68, 2000.

OLIVAS, R. M.; DONALD, O. F. X.; CÂMARA, C.; QUEVAUVILLER, P. Analytical techniques applied to speciation of selenium in environmental matrices. *ANALYTICA CHIMICA ACTA*, 286, p. 357-370, 1994.

PARIDA, K. M.; GORAI, B.; RAO, S. Studies on ferric oxide hydroxides: Adsorption of selenite on different forms of iron oxyhydrides. *J. COLLOID INTERFACE SCIENCE*, 185, p. 355-362, 1997.

POHL, C. A.; STILLIAN, J. R.; JACKSON, P. E. Factors controlling ion-exchange selectivity in suppressed ion chromatography. *JOURNAL OF CHROMATOGRAPHY A*, 789, p. 29-41, 1997.

PYZYNSKA, K. Speciation of selenium compounds. *ANALYTICAL SCIENCES*, 14, p. 479-482, 1998.

QUEVAUVILLER, P.; CORNELIS, R.; CÂMARA, C. Assessment of methods currently used for the determination of Cr and Se species in solutions. *TRENDS IN ANALYTICAL CHEMISTRY*, 19, p. 189-194, 2000.

RAMANA, A.; SENGUPTA, A. Removing Se(IV) and As(V) oxyanions with tailored chelating polymers. *JOURNAL OF ENVIRONMENTAL ENGINEERING*, 118, p. 755-775, 1992.

RUBIO, R.; PADRÓ, A.; RAURET, G. Photoreduction-hydride generation: A new on-line system for the determination of selenate and selenite. *ANALYTICA CHIMICA ACTA*, 353, p.91-97, 1997.

SÉBY, F.; POTIN-GAUTIER, M.; GIFFAUT, E.; BERGE, G.; DONARD, O. F. X. A critical review of thermodynamic data for selenium species at 25°C. *CHEMICAL GEOLOGY*, 171, p. 173-194, 2001.

SEUBERT, A. On-line coupling of ion chromatography with ICP-AES and ICP-MS. *TRENDS IN ANALYTICAL CHEMISTRY*, 20, p. 274-287, 2001.

SHUM, S. C. K.; HOUK, R. S. Elemental speciation by anion-exchange and size exclusion chromatography with detection by inductively coupled plasma mass spectrometry with direct injection nebulization. *ANALYTICAL CHEMISTRY*, 65, p. 2972-2976, 1993.

SMALL, H. **Ion chromatography**. New York: Plenum Press, 1990, 276 p.

SMITH, F. C.; RICHARD, C. C. **The Practice of ion chromatography** New York: Wiley-Interscience Publication, 1983, 219 p.

SOUZA, M. P.; PICKERING, I. J., WAILA, M.; TERRY, N. Selenium assimilation and volatilization from selenocyanate-treated indian mustard and muskgrass. *PLANT PHYSIOLOGY*, 128, p. 625-633, 2002.

SOUZA, M. P.; PILON-SMITS, E. A. H.; LYTLE, C. M.; HWANG, S.; TAI, J.; HONMA, T. S. U.; YEH, L.; TERRY, N. Rate-limiting steps in selenium assimilation and volatilization by indian mustard. *PLANT PHYSIOLOGY*, 117, p. 1487-1494, 1998.

TIREZ, K.; BRUSTEN, W.; ROY, S. V.; BRUCKER, N.; DIELS L. Characterization of inorganic selenium species by ion chromatography with ICPMS detection in microbial-treated industrial wastewater. *JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY*, 15, p. 1087-1092, 2000.

UDEN, P. C. Modern trends in the speciation of selenium by hyphenated techniques. *ANAYTICAL AND BIOANALYTICAL CHEMISTRY*, 373, p. 422-431, 2002.

WALLSCHLÄGER, D.; ROEHL, R. Determination of inorganic selenium speciation in waters by ion chromatography-inductively coupled plasma-mass spectrometry using eluant elimination with a membrane suppressor. *JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY*, 16, p. 922-925, 2001.

WALLSCHLÄGER, D.; BLOOM, N. S. Determination of selenite, selenate and selenocyanate in waters by ion chromatography-hydride generation-atomic fluorescence spectrometry (IC-HG-AFS). *JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY*, 16, p. 1322-1328, 2001.

WANG, Z.; BELZILE, N. Microwave digestion of environment and natural waters for selenium speciation. *ANALYTICAL CHEMISTRY*, 73, p. 4711-4716, 2001.

WEISS, J. **Ion chromatography**, New York: 2^a edition, VCH Publisher, 1995. 465 p.

YAN, X.; SPERLING, M.; WELZ, B. On-line coupling of flow injection microcolumn separation and preconcentration to electrothermal atomic

absorption spectrometry for determination of ultratrace selenite and selenate in water. ANALYTICAL CHEMISTRY, 71, p. 4353-4360, 1999.

YE, Z. H.; LIN, Z. K.; WHITING, S. N.; TERRY, N.; SOUZA, M. P. Possible use of constructed wetland to remove selenocyanate, arsenic, and boron from electric utility waste water. CHEMOSPHERE, 52, p. 571-1579, 2003.