

บริษัทฯ

บรรณานุกรม

- อัจนา แพรุ่งเรือง. (2539). การวิเคราะห์สารประกอบดินกอินทรีชนิดฟีนิตทิน โดยเทคนิคแก๊ส โกรมาไทรกราฟฟี. วิทยานิพนธ์ปริญญาวิทยาศาสตรมหาบัณฑิต, สาขาวิชเคมีวิเคราะห์ และเคมีอนินทรีย์ประยุกต์ บัณฑิตวิทยาลัย มหาวิทยาลัยมหิดล.
- ทินกร เตียนสิงห์. (2540). การพัฒนาขั้นตอนการเตรียมตัวอย่างการวิเคราะห์สารประกอบดินกอินทรีในตัวอย่างสิ่งมีชีวิต โดยเทคนิคแก๊ส โกรมาไทรกราฟฟี. วิทยานิพนธ์ปริญญา วิทยาศาสตรมหาบัณฑิต, สาขาวิชเคมีวิเคราะห์และเคมีอนินทรีย์ประยุกต์ บัณฑิตวิทยาลัย มหาวิทยาลัยมหิดล.
- Abalos, M., Bayona, J. M., Compano, R., Granados, M., Leal, C., & Prat, M.D. (1997). Analytical procedures for the determination of organotin compounds in sediment and biota : A critical review. *Journal of Chromatography A*, 7(788), 1-49.
- Alzieu, C. L., Sanjuan, J., Deltreil, J., & Borel, M. (1986). Tin contamination in Arcachon bay : Effects on oyster shell anomalies. *Marine Pollution Bulletin*, 17(11), 494-498.
- Becker, G., Janak, K., Colmsjo, A., & Ostman, C. (1997). Speciation of organotin compounds released from poly (vinylchloride) at increased temperature by gas chromatography with atomic emission detection. *Journal of Chromatography A*, 8(775), 295-306.
- Bryan, G., Gibbs, P., Huggett, R., Curtis, L., Bailey, L., & Dauer, D. (1989). Effects of tributyltin pollution on the mud snail, *Ilyanassa obsoleta*, from the York river and Sarah creek, Chesapeake bay. *Marine Pollution Bulletin*, 20(9), 458-462.
- Caricchia, A., Chivarini, S., Cremisini, C., Morabito , R., & Scerbo, R. (1994). Influence of storage conditions on the determination of organotin in mussels. *Analytica Chimica Acta*, 9(286), 329-334.
- Carlier-Pinasseau, C., Astruc, A., Lespes, G., & Astruc, M. (1996). Determination of butyl- and phenyltin compounds in biological material by gas chromatography –flame photometric detection after ethylation with sodium tetraethylborate. *Journal of Chromatography*, 7(750), 317-325.
- Davies, I., Bailey, S., & Moore, D. (1987). Tributyltin in Scottish sea lochs, as indicated by degree of imposex in the dogwhelk, *Nucella lapillus* (L.). *Marine Pollution Bulletin*, 18(7), 400-404.

- Day, E., Maguire, R., & Milani, D. (1998). Toxicity of tributyltin to four species of freshwater benthic invertebrates using spiked sediment bioassay. *Water Quality Research Journal of Canada*, 33(1), 111-132.
- de la Calle-Guntinas, M. B., Scerbo, R., Chiavarini, S., Quevauviller, P. H., & Morabito, R. (1997). Comparison of derivatization methods for the determination of butyl- and phenyl-tin compounds in mussels by gas chromatography. *Applied Organometallic Chemistry*, 11, 693-702.
- Dirkx, W., Lobinski, R., & Adams, F. (1994). Speciation analysis of organotin in water and sediments by gas chromatography with optical spectrometric detection after extraction separation. *Analytica Chimica Acta*, 12(286), 309-318.
- Fent, K. (1996). Ecotoxicology of organotin compounds. *Critical reviews in toxicology*, 26(1), 1-117.
- Fent, K., & Hunn, J. (1991). Phenyltins in water, sediment, and biota of freshwater marinas. *Environmental Science & Technology*, 25(5), 956-963.
- Gomez-Ariza, J. L., Morales, E., Beltran, R., Giraldez, I., & Ruiz-Benitez. (1995). Ultrasonic treatment of molluscan tissue for organotin speciation. *Analyst*, 4(120), 1171-1174.
- Harino, H., & Fukushima, M. (1992). Simultaneous determination of butyltin and phenyltin compounds in the aquatic environment by gas chromatography. *Analytica Chimica Acta*, 16(264), 91-96.
- Harino, H., Fukushima, M., & Kawai, S. (1999). Temporal trends of organotin compound in the aquatic environment of the port of Osaka Japan. *Environmental Pollution*, 5(105), 1-7.
- Higashiyama, T., Shiraishi, H., Otsuki, A., & Hashimoto, S. (1991). Concentrations of organotin compounds in blue mussels from the wharves of Tokyo bay. *Marine Pollution Bulletin*, 22(12), 585-587.
- Horiguchi, T., Hyeon-Seo, C., Shiraishi, H., Shibata, Y., Soma, M., Morita, M., & Shimizu, M. (1998). Field studies on imposex and organotin accumulation in the rock shell, *Thais clavigera*, from the Seto Inland sea and the Sanriku region, Japan. *The Science of the Total Environment*, 26(216), 65-70.

- Horiguchi, T., Shiraishi, H., Shimizu, M., & Morita, M. (1997). Imposex in sea snails, caused by organotin (tributyltin and triphenyltin) pollution in Japan: a survey. *Applied Organometallic Chemistry*, 11, 451-455.
- Horiguchi, T., Shiraishi, H., Shimizu, M., & Morita, M. (1997). Effects of triphenyltin chloride and five other organotin compounds on the development of imposex in the rock shell, *Thais clavigera*. *Environmental Pollution*, 95(1), 85-91.
- Horiguchi, T., Takiguchi, N., Cho, H., Kojima, M., Kaya, M., Shiraishi, H., Morita, M., Hirose, H., & Shimizu, M. (2000). Ovo-testis and disturbed reproductive cycle in the giant abalone, *Haliotis madaka* : Possible linkage with organotin contamination in a site of population decline. *Marine Environmental Research*, 50, 223-229.
- Huber, L. (1998). *Validation and qualification in analytical laboratories*. Germany : Interpharm.
- Ikonomou, M., Fernandez, M., He, T., & Cullon, D. (2002). Gas chromatography-high-resolution mass spectrometry based method for the simultaneous determination of nine organotin compounds in water, sediment and tissue. *Journal of Chromatography A*, 23(975), 313-333.
- Ishizaka, T., Nemoto, S., Sasaki, K., Suzuki, T., & Saito, Y. (1989). Simultaneous determination of tri-n-butyltin, di-n-butyltin ,and triphenyltin compounds in marine products. *Journal of Agriculture Food & Chemistry*, 37, 1523-1527.
- Iwata, H., Tanabe, S., Miyazaki, N., & Tatsukawa, R. (1994). Detection of butyltin compound residues in the blubber of marine mammals. *Marine Pollution Bulletin*, 28, 607-612.
- Jiang, G., Maxwell, P., Siu, K., Luong, V., & Berman, S. (1991). Determination butyltins in mussel by gas chromatography with flame photometric detection using quartz surface- induced luminescence. *Analytical Chemistry*, 63, 1506-1509.
- Kan-atireklab, S., Tanabe, S., & Sanguansin, J. (1997). Contamination by butyltin compounds in sediments from Thailand. *Marine Pollution Bulletin*, 34(11), 894-899.
- Kan-atireklab, S., Tanabe, S., Sanguansin, J., Tabucanon, M. S., & Hungspreuge, M. (1997). Contamination by butyltin compounds and organochlorine residues in green mussel (*Perna viridis*, L.) from Thailand coastal waters. *Environmental Pollution*, 97(1-2), 79-89.

- Kan-atireklab, S., Yen, N., Tanabe, S., & Subramanian, A. (1998). Butyltin compounds and organochlorine residues in green mussel (*Perna viridis*, L.) from India. *Toxicological and Environmental Chemistry*, 67, 409-424.
- Kannan, K., Tanabe, S., Iwata, H., & Tatsukawa, R. (1995). Butyltins in muscle and liver of fish collected from certain Asian and Oceanian countries. *Environmental Pollution*, 90(3), 279-290.
- Kannan, K., Tanabe, S., & Tatsukawa, R. (1995). Phenyltin residues in horseshoe crabs, *Tachypleus tridentatus* from Japanese Coastal Waters. *Chemosphere*, 30(5), 925-932.
- Kim, G., Lee, J., Tanabe, S., Iwata, H., Tatsukawa, R., & Shimazaki, K. (1996). Specific accumulation and distribution of butyltin compounds in various organs and tissues of the steller sea lion (*Eumetopias jubatus*) : Comparison with organochlorine accumulation pattern. *Marine Pollution Bulletin*, 32(7), 558-563.
- Krone, C. A., Brown, D. W., Burrows, D. G., Bogas, R. G. , Chan, S. L., & Varanasi, U. (1989). A method for analysis of butyltin species and measurement of butyltins in sediment and english sole livers from Puget Sound. *Marine Environmental Research*, 27, 1-8.
- Kuballa, J., Wilken, R. D., Jantzen, E., Kwan, K., & Chau, Y. (1995). Speciation and genotoxicity of butyltin compounds. *Analyst*, 9(120), 667-673.
- Maguire, R. (2000). Review of the persistence, bioaccumulation and toxicity of tributyltin in aquatic environments in relation to Canada's toxic substances management policy. *Water Quality Research Journal of Canada*, 35(4), 633-679.
- Maguire, R., & Huneault, H. (1981). Determination of butyltin species in water by gas chromatography with flame photometric detection. *Journal of Chromatography*, 12(209), 458-462.
- Martin-Landa, I., de Pablos, F., & Marr, L. (1989). Determination of organotins in fish and sediments by gas chromatography with flame photometric detection. *Analytical Proceedings*, 26, 16-18.
- Morabito, R. et al. (1995). *Quality assurance for environmental analysis*. New York : Elesvier Science B.V.

- Muller, M. (1987). Comprehensive trace level determination of organotin compounds in environmental samples using high-resolution gas chromatography with flame photometric detection. *Analytical Chemistry*, 59, 617-623.
- Nagase, M., Kondo, H., & Hasebe, K. (1995). Determination of tributyltin and triphenyltin compounds in hair and fish using a hydrolysis technique and gas chromatography with flame photometric detection. *Analyst*, 8(120), 1923-1926.
- Ombaba, J. M., & Barry, E. F. (1992). Determination of organotin species by capillary gas chromatography with alternating current plasma emission detection. *Journal of Chromatography*, 13(598), 97-103.
- Osada, Q., Takahashi, K., Matsutani, T., & Mori, K. (1997). Accumulation and depuration of tributyltin oxide and its effect on the fertilization and embryonic development in the pacific oyster, *Crassostrea gigas*. *Bulletin of Environmental Contamination and Toxicology*, 58, 489-496.
- Pannier, F., Astruc, A., & Astruc, M. (1994). Extraction and determination of butyltin compounds in shellfish by hydride generation-gas chromatography-quartz furnace atomic absorption spectrometry. *Analytica Chimica Acta*, 21(287), 17-24.
- Pannier, F., Astruc, A., & Astruc, M. (1996). Determination of butyltin compounds in marine biological samples by enzymatic hydrolysis and HG-GC-QFAAS detection. *Analytica Chimica Acta*, 20(327), 287-293.
- Pellegrino, C., Massanisso, P., & Morabito, R. (2000). Comparison of twelve selected extraction methods for the determination of butyl- and phenyltin compounds in mussel samples. *Trends in Analytical Chemistry*, 19(2-3), 97-106.
- Quevauviller, P.H., (1996). Improvement of quality control of speciation analysis using hyphenated techniques a decade of progress within the European community. *Journal of Chromatography A*, 27(750), 25-33.
- Rodríguez, I., Santamarina, M., Bollain, M. H., Meijuto, M. C., & Cela, R. (1997). Speciation of organotin compounds in marine biomaterials after basic leaching in a non-focused microwave extractor equipped with pressurized vessels. *Journal of Chromatography A*, 30(774), 379-387.

- Roper, J., Simmers, J. W., & Cherry, D. S. (2001). Bioaccumulation of butyltins in *Dreissena polymorpha* at a confined placement facility in Buffalo, New York. *Environmental Pollution*, 111, 447-452.
- Sasaki, K., Ishizaka, T., Suzuki, T., & Saito, Y. (1988). Determination of tri-n-butyltin and di-n-butyltin compounds in fish by gas chromatography with flame photometric detection. *Journal Association Official Analytical Chemistry*, 71(2), 368-363.
- Sawyer, A. (1971). *Organotin compounds*. New York : Marcel Dekker.
- Siu, K., Gardner, G., & Berman, S. (1989). Ionspray mass spectrometry/ mass spectrometry : Quantitation of tributyltin in a sediment reference material for trace metals. *Analytical Chemistry*, 61, 2320-2322.
- Stab, J. A., Brinkman, U. A. Th., & Cofino, W. P. (1994). Validation of the analysis of organotin compounds in biological tissues using alkylation and gas chromatography. *Applied Organometallic Chemistry*, 8, 577-585.
- Stab, J. A., Cofino, W. P., & van Hattum, B., (1994). Assessment of transport routes of triphenyltin used in potato culture in the Netherlands. *Analytica Chimica Acta*, 19(286), 355-341.
- Stab, J. A., Cofino, W. P., van Hattum, B., & Brinkman, U. A.Th. (1993). Comparison of GC/MSD and GC/AED for the determination of organotin compounds in the environment. *Fresenius Journal Analytical Chemistry*, 347, 247-255.
- Stab, J. A., Frenay, M., Freriks, I., Brinkman, U. A., & Cofino, W. P. (1995). Survey of nine organotin compounds in the Netherlands using the zebra mussel (*DREISSENA POLYMORPHA*) as biomonitor. *Environmental Toxicology and Chemistry*, 14(12), 2023-2032.
- Stab, J. A., Traas, T., Stroomberg, G., van Kesteren, J., Leonards, P., van Hattum, B., Brinkman, U. A., & Cofino, W. P. (1996). Determination of organotin compounds in the foodweb of a shallow freshwater lake in the Netherlands. *Archives of Environmental Contamination and Toxicology*, 31, 319-328.
- Stab, J. A., van Hattum, B., de Voogt, P., & Brinkman, U. A. (1992). Preparation of pentylated organotin standards for use in trace analysis with gas chromatography. *Mikrochim Acta*, 109, 101-106.

- Stewart, C., & Thomson, J. A. J. (1994). Extensive butyltin contamination in southwestern coastal British Columbia, Canada. *Marine pollution Bulletin*, 28, 601-606.
- Strand, J., & Asmund, G. (2003). Tributyltin accumulation and effects in marine molluscs from west Greenland. *Environmental Pollution*, 12, 31-37.
- Strand, J., Jacobsen, J., Pedersen, B., & Granmo, A. (2003). Butyltin compounds in sediment and molluscs from the shipping strait between Denmark and Sweden. *Environmental Pollution*, 124(1), 7-15.
- Suzuki, T., Matsuda, R., & Saito, Y. (1992). Molecular species of tri-n- butyltin compounds in marine products. *Journal of Agriculture Food & Chemistry*, 40, 1437-1443.
- Suzuki, T., Matsuda, R., Saito, Y., & Yamada, H. (1994). Application of helium microwave – induced plasma emission detection system to analysis of organotin compounds in biological samples. *Journal of Agriculture Food & Chemistry*, 42, 216-220.
- Takahashi, S., Tanabe, S., & Kubodera, T. (1997). Butyltin residues in deep-sea organisms collected from Surugu bay, Japan. *Environmental Science&Technology*, 31, 3103-3109.
- Takeuchi, M., Mizuishi, K., & Hobo, T. (2000). Determination organotin compounds in environmental samples. *Analytical Science*, 16, 349-359.
- Tolosa, I., & Readman, J., (1996). Simultaneous analysis of antifouling agents : Tributyltin, triphenyltin and IRGAROL 1051 in marina water samples. *Analytica Chimica Acta*, 34(335), 267-274.
- Uhler, A., Durell, G., & Spellacy, A. (1991). Extraction procedure for the measurement of butyltin compounds in biological tissues using toluene, HBr, and tropolone. *Bulletin of Environmental Contamination and Toxicology*, 47, 217-221.
- Wade, T., Garcia-Romeo, B., & Brooks, J. (1988). Tributyltin contamination in bivalves from United States coastal estuaries. *Environmental Science & Technology*, 22(12), 1488-1493.
- Walcock, M. J., Waite, M. E., Miller, D., Smith, D. J., & Law, R. W. (1989). *Aquatic environment protection : Analytical method*. Lowestoft : Ministry of Agriculture.
- Wilson, S., Ahsanullah, M., & Thomson, G. (1995). Imposex in neogastropods : An indicator of tributyltin contamination in eastern Australia. *Marine Pollution Bulletin*, 26(1), 44-48.

- World Health Organization. (1980). *Tin and organotin compounds : A preliminary review.* Finland : United Nations Environment Programme and the World Health Organization.
- _____. (1990). *Environmental health criteria 116 tributyltin compounds.* Finland : United Nations Environment Programme, the International Labour Organization and the World Health Organization.
- Yang, F., & Maguire, J. (2000). Occurrence and seasonal variation of tributyltin in marinas on lake Ontario, Canada. *Water Quality Research Journal of Canada*, 35(4), 681-691.