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(part per billion) ppm TLC Scanner

(p < /)

(p > /)

(p < /)

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// :

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TLC .())

$$n = (\delta/\delta/3)^2$$

(part per billion) ppb

- cc + cc

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) () RF (rowing flow)

UV Cabinet

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CATS4

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.) Merck

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.(p < /)

.(p < /)

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- () .(p< /)

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) ()

() ()

.()

.() / ppm

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/ ppm

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References:

1. Surface Water Monitoring Program for Pesticides in Salmonid-Bearing Streams, 2003-2005: A Cooperative Study by the Washington State Departments of Ecology and Agriculture; 2003-2005. (Accessed Oct 20, 2007, at <http://www.ecy.wa.gov/biblio/0603036.html>); no. 06-03-036.
2. Toxicity, organophosphate. Critical Care. eMedicine Specialties. (Accessed Oct 20, 2007, at <http://www.emedicine.com/med/topic1677.htm>.)
3. Cheah U, Ralph C, Lum K. Degradation of four commonly used pesticides in Malaysian agricultural soils. *J Agric Food Chem* 1998;46:1217-23.
5. Rovedatti M, Castani P, Topalian M. Monitoring of organochlorine and organophosphorus pesticides in the water of Reconquista river water (Buenos Aires, Argentina). *Water Res* 2001; 35:3457-61.
6. Tahir S, Anwar T, Ahmad I, et al. Determination of pesticide residues in fruits and vegetables in Islamabad market. *J Environ Biol* 2001;22:71-4.
7. Struger J . Pesticide concentration in the Don and number river watersheds . *Environment Canada* 2002; 4: 1-3.
8. Rovedatti MF, Castane PM, Topalian ML, Salibian A. Monitoring of organochlorine and organophosphorus pesticides in the water of the Reconquista River (Buenos Aires, Argentina). *Water research* 2001;35:3457-61.
9. Ambrus A, Lantus V, Visi E . General method for determination of pesticides residue in samples of plant origin, soil and water. I. *Assoc Anal Chem* 1980;64: 749-68.
10. Sharma J. Quantities Thin-Layer Chromatography analytical methods for pesticides and plants. *Growth Regul* 1988; 6: 79-113.
11. Ahmad FE. Analyses of Pesticides and their metabolites in food and drinks. *Trend and Analytical Chemistry* 2001; 20: 649-61.
12. Sherma J . Pesticide residue analysis . *J AOAC Int* 2001;84:1303-12.
13. Sherma J. Thin layer Chromatography in food and agricultural analysis . *J Chromatography* 2000; 880: 129-47.
14. Hamilton DJ, Ambrus A, Dieterle RM. Regulatory limits for pesticide residues in water . *Pure Appl Chem* 2003;75:1123-55.

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