Osman Tiryaki

Method validation for the analysis of pesticide residues in grain by thin-layer chromatography

Published online: 11 August 2006
© Springer-Verlag 2006

The online version of the original article can be found at <http://dx.doi.org.10.1007/s00769-006-0171-3>

O. Tiryaki (✉)
Turkish Atomic Energy Authority,
Sarayköy Nuclear Research and
Training Center, Application
Department, Agriculture Unit,
Istanbul Road 30 km,
06983 Saray, Ankara, Turkey
e-mail: osmantiryaki@yahoo.com
Tel.: +90-312-8154300
Fax: +90-312-8154307

Regrettably, in Table 2 all values given in the column “Relative residual standard deviation, $S_{\Delta y/\hat{y}}$ ” were enlarged by the factor 10 during the production process. The corrected version to Table 2 is as follow.

Table 2

Analyte _{detection method}	Linear range, ng μL^{-1}	Regression equation $y = a + bx$	Correlation coefficient, r^2	Relative residual standard deviation, $S_{\Delta y/\hat{y}}$
Atrazine _{OTKI}	0.625–3.125	$y = 4.152 + 0.037x$	0.980	0.024
Atrazine _{HILL}	0.025–0.2	$y = 5.66 + 0.657x$	0.969	0.043
Carbaryl _{EBNA}	0.25–1	$y = 4.618 + 0.1x$	1.000	0.002
Chlorpyrifos _{EBNA}	0.0125–0.05	$y = 4.888 + 1.679x$	0.998	0.005
Chlortoluron _{HILL}	0.025–0.1	$y = 5.121 + 1.512x$	0.999	0.006
Cyanazine _{HILL}	25–100	$y = 3.821 + 0.7214x$	0.996	0.006
Dichlorvos _{EBNA}	0.5–2	$y = 3.325 + 0.056x$	0.996	0.012
Dieldrin _{AgUV}	0.625–3.125	$y = 4.935 + 0.0175x$	0.993	0.006
Dimethoate _{O-TKI}	2.5–7.5	$y = 3.904 + 0.0067x$	0.999	0.004
Dioxacarb _{O-TKI}	0.625–3.125	$y = 3.7 + 0.018x$	0.995	0.007
Diuron _{O-TKI}	0.75–3.75	$y = 3.821 + 0.018x$	0.999	0.002
Metoxuron _{HILL}	0.125–0.5	$y = 5.624 + 0.283x$	0.997	0.011
Oxamyl _{O-TKI}	2.5–12.5	$y = 4.294 + 0.01x$	0.996	0.011
Oxamyl _{EBNA}	0.5–2	$y = 3.138 + 0.04x$	0.999	0.002
Parathion-M _{EBNA}	0.05–0.2	$y = 5.792 + 0.75x$	0.998	0.007
Triforine _{AgUV}	2.5–12.5	$y = 4.771 + 0.0083x$	0.999	0.003
Atrazine _{GC-NPD}	0.1–0.5	$y = 0.189 + 0.0106x$	0.994	0.099
Chlorpyrifos _{GC-NPD}	0.055–0.5	$y = -0.443 + 0.0156x$	0.999	0.093
Dichlorvos _{GC-NPD}	0.1–0.6	$y = 0.008 + 0.003x$	0.997	0.093
Diuron _{GC-NPD}	0.6–1	$y = 0.084 + 0.0014x$	0.998	0.012
Parathion-M _{GC-NPD}	0.135–0.5	$y = -0.149 + 0.0124x$	0.999	0.029