

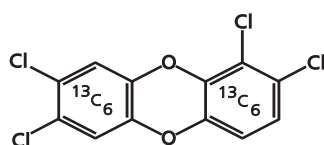


April 30, 2009

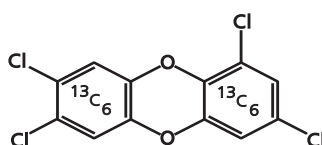
NEW PRODUCTS

NEW MASS-LABELLED CHLORINATED DIBENZO-p-DIOXINS

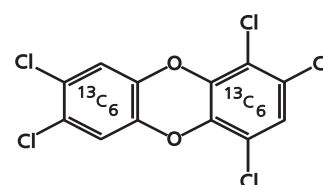
Recently, there has been significant interest in reference standards of mass-labelled chlorinated dibenzo-p-dioxins that are not fully substituted in the 2,3,7,8 positions and that do not co-elute with any of the 2,3,7,8-substituted PCDDs on the HRGC columns currently used for PCDD/PCDF analyses. This growing demand has prompted **Wellington** to introduce the following 5 reference standards.



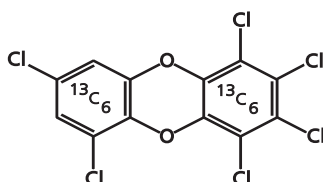
MDD-1278



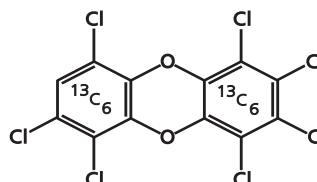
MDD-1378



MDD-12478



MDD-123468



MDD-1234679

These standards are ideal for use as internal, injection, or recovery standards and allow the analyst to use ^{13}C -123789-HxCDD as an extraction standard rather than as an internal standard (as specified in some methods). ^{13}C -1234679-HpCDD is also closer in retention time and mass to the ^{13}C -OCDD and ^{13}C -OCDF congeners making it better suited as an internal standard for these compounds than ^{13}C -123789-HxCDD.

Catalogue Number	Product (toluene solution)	Qty/Conc
MDD-1278	1,2,7,8-Tetrachloro[$^{13}\text{C}_{12}$]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$
MDD-1378	1,3,7,8-Tetrachloro[$^{13}\text{C}_{12}$]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$
MDD-12478	1,2,4,7,8-Pentachloro[$^{13}\text{C}_{12}$]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$
MDD-123468	1,2,3,4,6,8-Hexachloro[$^{13}\text{C}_{12}$]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$
MDD-1234679	1,2,3,4,6,7,9-Heptachloro[$^{13}\text{C}_{12}$]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$

ISO 9001



CERT-0025901

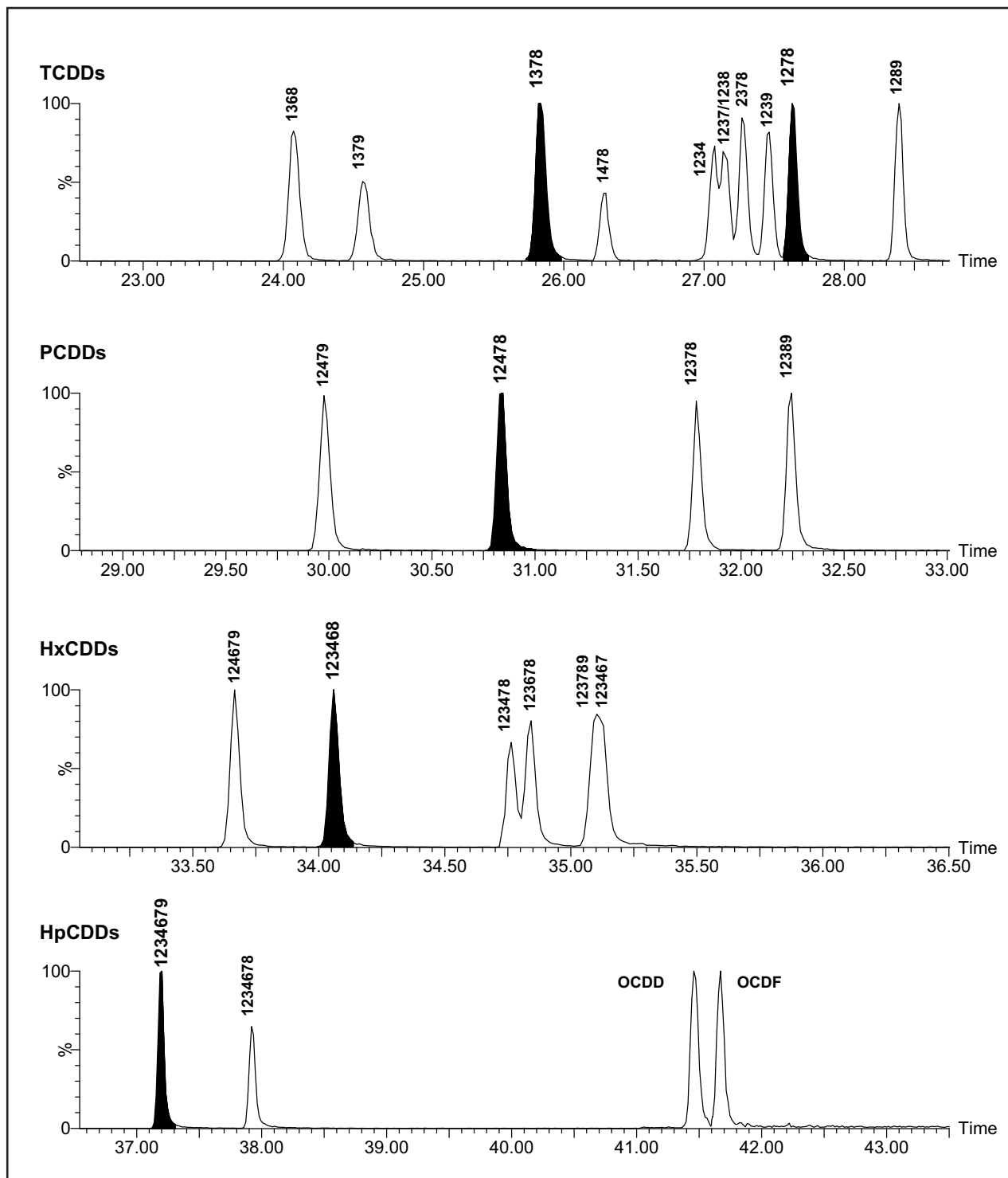


Figure 1: Chromatograms showing the separation of the new mass-labelled non-2,3,7,8 PCDD standards from 2,3,7,8-substituted PCDDs on a 60m DB-5 column.

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