

Template for comments and secretariat observations

Horizontal 428 Dioxins&Furans

Author of comments: ALL

Date:	Document: CEN/BT/TF 151/TG 4 N0012
2006-05-26	Dioxins and Furans and DL-PCBs horizontal standard January 2006

1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Project Horizontal observations on each comment submitted
UK	5	1st para	te 12 labeled PCB clean up standards are used...	Are these clean up standards or extraction standards?	<i>Comment fully accepted</i> - Changed to extraction standards
UK	6.1		Ed	...others	..others..	<i>Comment fully accepted</i> - Typing error has been corrected
UK	6.1		te	p.a. grade	Please explain	<i>Comment fully accepted</i> - "analytical grade" used instead of abbreviation "p.a."
UK	6.2		te	..syringe standard..	The term has not been used in the definitions. Change to recovery standard	<i>Comment fully accepted</i> - Changed to recovery standard
UK	7.5		te	..MS shall be interfaced .. such that the end of the column terminates within 1cm...	This is too specific and will be instrument dependent. Consider deletion.	<i>Comment fully accepted</i> - Test has been deleted
UK	9.1		te	..Soxhlet extraction of the <2mm solid sample...	Is it always possible to grind and commute all types of sludge to <2mm? In particular this may be difficult for fibrous or greasy samples.	<i>Valid objection but text allows deviations</i> - In the draft standard the sentence starts with " The extraction procedures are normally based on ...", so a deviation to this procedure is possible. From our experience fibrous or greasy samples are only a minor part.
UK	9.2		te	..minimum of 8 hours Soxhlet	Suggest that for large sample sizes (50g) this may	<i>Comment partly accepted</i> -

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					not always be sufficient. Extend to a minimum of 16 hours.	An advice that longer extraction times may be necessary for larger sample amounts has been given. Moche will check again, perhaps statement of minimum of cycles.
UK	9.3		ge	The removal of sulfur is important for sludges and is not mentioned specifically	Add a comment on procedure(s) for removal of sulfur interferences.	<i>Comment fully accepted</i> - Possible procedures for the removal of sulphur have been added in 9.3.6.
UK	9.3.2		te	Use of direct treatment of sample with sulfuric acid	Is this recommended? If so guidance is required to ensure this is performed 'carefully' as suggested	<i>Comment fully accepted</i> - The suggested guidance has been added to the text
UK	9.4		ed	(Though PCDD/F ...	Delete first bracket	<i>Comment fully accepted</i> - Bracket deleted
UK	9.4		te	The final solvent composition should be specified. It is common that this is nonane or other high b.pt. solvent	Suggest nonane is specified as final extract solvent to avoid evaporation losses.	<i>Comment partly accepted</i> - Due to good experiences with toluene as final solvent in our lab, nonane, toluene or another high b.pt. solvent are specified as final extract solvent.
UK	9.5		te	See comment on 6.2		<i>Comment fully accepted</i> - Changed to recovery standard

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UK	10.1		te	..GC-MS is usually carried out on a high resolution GC-MS instrument..	The term usually should be deleted and changed to shall. It is necessary that the analysis is carried out using HRMS. LRMS is not acceptable.	<i>Comment discussed</i> – For validation both options may be applied. In case similar results can be obtained by either LRMS or HRMS no change of doc is needed. Otherwise HRMS should be given priority.
UK	Table 1		ed	Use of decimal point	Change to CEN/ISO convention of comma as in Table 2.	<i>Comment fully accepted</i> - Changed to CEN/ISO convention
UK	Table 2	Title	ed	Homolog	Homologue	<i>Comment fully accepted</i> - Typing error has been corrected
UK	10.4	b	te	..relative retention times based on the injection standard...	The term 'injection standard' is not defined previously in section 3	<i>Comment fully accepted</i> - Changed to recovery standard
UK	10.5	a	ed	...weak polar column..	Suggest that DB-5 is a 'relatively non-polar column'	<i>Comment fully accepted</i> - Description has been changed to relatively non-polar
UK	10.6.2		ed	Number equations accordingly		<i>Comment fully accepted</i> - Equations have been numbered
UK	Table 4	Title	ed	Isomere	Isomer	<i>Comment fully accepted</i> -

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UK	10.7.1	Final para	te	There is a statement to say that the quantitation of samples with >10x mass ratio should be avoided but there is no detail as to how this should be done	Include details on taking less sample and re-extracting. Dilution of the extract should not be permitted.	Typing error has been corrected <i>Comment fully accepted</i> - An advice to repeat analysis with less amount of samples has been given
UK	10.7.4	Final para	ed	...given in table	.given in table 5.	<i>Comment fully accepted</i> - Typing error has been corrected
NL			ge	Definitions for standards are not the same as used in other Horizontal standards		<i>Comment fully accepted</i>
NL	A.1	2.3.3.3	te	Benzene is forbidden to use in the Netherlands. The large aluminium oxide column clean-up is carried out with benzene.	Perhaps it is possible to use toluene instead of benzene.	<i>Comment accepte</i> . Will be covered by an opening clause.
NL	8	1	te	Why should the sample pre-treatment take place within 24 hours of sampling? Dioxins and dioxin-like PCB's are stable compounds and they are not volatile.	Not a time-limit on the pre-treatment when the samples are kept cold and in the dark.	<i>Comment fully accepted</i> . Time limit shall be 72 h.
NL	9.2		te	The method uses toluene as extractant. Toluene is suitable if it is necessary to solve the dioxins. Toluene is less suitable if contaminants are present between soil particles. In that case a combination of acetone PE is a better choice. This solvent combination is also used in other Horizontal standards	Add the possibility to extract with acetone/PE, see for instance the method described in the Horizontal standard for PCB.	Comment discussed but no change accepted.
NL	9.4		te	Using PE, Kuderna Danish is a suitable way to concentrate the extract	Add Kuderna Danish	<i>Comment fully accepted</i>

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