



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2506

Biological matrix : Serum Date of publication : Expiration date : 2030-03-18

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2506	Brominated flame retardants	PBDE IUPAC # 100	0.677	µg/L	0.0235	10
		PBDE IUPAC # 153	0.430	µg/L	0.0116	11
		PBDE IUPAC # 154	0.311	µg/L	0.00720	10
		PBDE IUPAC # 183	0.424	µg/L	0.0320	8
		PBDE IUPAC # 209	0.459	µg/L	0.172	4
		PBDE IUPAC # 28	0.513	µg/L	0.0186	10
		PBDE IUPAC # 47	0.482	µg/L	0.0192	11
		PBDE IUPAC # 99	0.212	µg/L	0.00668	11
	Organochlorinated pesticides	Hexachlorobenzene	1.06	µg/L	0.0333	12
		Oxychlordane	0.463	µg/L	0.0140	10
		p,p'-DDE	1.33	µg/L	0.0570	15
		p,p'-DDT	0.661	µg/L	0.0384	13
		β-HCH	0.413	µg/L	0.0212	12
		trans-Nonachlor	2.04	µg/L	0.0614	10
		Heptachlor	0.929	µg/L	0.101	7
		Heptachlor epoxide	0.475	µg/L	0.0129	7
		Dieldrin	0.484	µg/L	0.0201	8
		Mirex	1.47	µg/L	0.140	8
		cis-Nonachlor	0.625	µg/L	0.0363	6
	PCB congeners	PCB IUPAC # 105	0.271	µg/L	0.0129	11
		PCB IUPAC # 118	0.409	µg/L	0.0165	14
		PCB IUPAC # 138	0.381	µg/L	0.0193	11
		PCB IUPAC # 153	0.754	µg/L	0.0330	15
		PCB IUPAC # 170	0.461	µg/L	0.0243	11
		PCB IUPAC # 180	0.302	µg/L	0.0112	14
		PCB IUPAC # 28	0.440	µg/L	0.0163	13
		PCB IUPAC # 74	0.565	µg/L	0.0397	11
		PCB IUPAC # 99	0.692	µg/L	0.0244	11
		PCB IUPAC # 52	0.276	µg/L	0.0147	11
		PCB IUPAC # 101	0.904	µg/L	0.0345	14
		PCB IUPAC # 183	0.896	µg/L	0.0691	10
		PCB IUPAC # 187	0.680	µg/L	0.0537	10

* Standard uncertainty (µx): characteristic of the dispersion of results used to calculate the assigned value; expressed in the same format as the standard deviation.



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