



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2403

Biological matrix : Serum Date of publication : 2028-10-11
Expiration date :

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2403	Brominated flame retardants	PBDE IUPAC # 100	0.0737	µg/L	0.00466	12
		PBDE IUPAC # 153	0.105	µg/L	0.00459	12
		PBDE IUPAC # 154	0.0779	µg/L	0.00361	11
		PBDE IUPAC # 183	0.135	µg/L	0.0122	9
		PBDE IUPAC # 209	0.172	µg/L	0.0162	4
		PBDE IUPAC # 28	0.0761	µg/L	0.00446	10
		PBDE IUPAC # 47	0.171	µg/L	0.00744	12
		PBDE IUPAC # 99	0.0726	µg/L	0.00338	13
	Organochlorinated pesticides	Hexachlorobenzene	0.184	µg/L	0.00616	15
		Oxychlorane	0.154	µg/L	0.00831	12
		p,p'-DDE	0.748	µg/L	0.0346	17
		p,p'-DDT	0.154	µg/L	0.00786	14
		β-HCH	0.173	µg/L	0.00637	15
		trans-Nonachlor	0.144	µg/L	0.00894	13
		Heptachlor	0.0516	µg/L	0.00501	7
		Heptachlor epoxide	0.0760	µg/L	0.00933	7
		Dieldrin	0.0757	µg/L	0.0141	7
		Mirex	0.419	µg/L	0.0159	10
		cis-Nonachlor	0.427	µg/L	0.0198	7
	PCB congeners	PCB IUPAC # 105	0.0613	µg/L	0.00310	13
		PCB IUPAC # 118	0.146	µg/L	0.00392	16
		PCB IUPAC # 138	0.155	µg/L	0.00325	11
		PCB IUPAC # 153	0.183	µg/L	0.00443	15
		PCB IUPAC # 170	0.158	µg/L	0.00525	13
		PCB IUPAC # 180	0.101	µg/L	0.00307	18
		PCB IUPAC # 28	0.221	µg/L	0.00872	17
		PCB IUPAC # 74	0.145	µg/L	0.00702	12
		PCB IUPAC # 99	0.146	µg/L	0.00506	13
		PCB IUPAC # 52	0.0646	µg/L	0.00373	14
		PCB IUPAC # 101	0.125	µg/L	0.00637	16
		PCB IUPAC # 183	0.0565	µg/L	0.00266	13
		PCB IUPAC # 187	0.0767	µg/L	0.00238	13

* 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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