



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

**AM-S-W2601**

Biological matrix : Serum

Date of publication :  
Expiration date : 2030-03-26

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2601	Brominated flame retardants	PBDE IUPAC # 100	0.384	µg/L	0.0197	8
		PBDE IUPAC # 153	0.468	µg/L	0.0282	9
		PBDE IUPAC # 154	0.217	µg/L	0.0189	8
		PBDE IUPAC # 183	0.140	µg/L	0.0101	8
		PBDE IUPAC # 28	0.680	µg/L	0.0116	8
		PBDE IUPAC # 47	0.306	µg/L	0.00972	9
		PBDE IUPAC # 99	0.201	µg/L	0.00452	9
	Organochlorinated pesticides	Hexachlorobenzene	0.387	µg/L	0.0227	13
		Oxychlorodane	1.01	µg/L	0.0384	10
		p,p'-DDE	1.25	µg/L	0.0539	14
		p,p'-DDT	0.762	µg/L	0.0311	12
		β-HCH	0.283	µg/L	0.0120	12
		trans-Nonachlor	0.285	µg/L	0.00555	11
		Heptachlor	1.15	µg/L	0.0623	6
		Heptachlor epoxide	0.266	µg/L	0.00658	5
		Dieldrin	0.299	µg/L	0.00478	6
		Mirex	0.396	µg/L	0.0218	8
		cis-Nonachlor	0.787	µg/L	0.0226	7
		PCB congeners	PCB IUPAC # 105	0.219	µg/L	0.0101
	PCB IUPAC # 118		0.269	µg/L	0.00476	12
	PCB IUPAC # 138		0.277	µg/L	0.0221	10
	PCB IUPAC # 153		0.504	µg/L	0.0221	12
	PCB IUPAC # 170		0.372	µg/L	0.0127	10
	PCB IUPAC # 180		0.277	µg/L	0.0134	13
	PCB IUPAC # 28		0.309	µg/L	0.0128	12
	PCB IUPAC # 74		0.244	µg/L	0.0108	9
PCB IUPAC # 99	0.305		µg/L	0.0133	10	
PCB IUPAC # 52	0.215		µg/L	0.0110	11	
PCB IUPAC # 101	0.674		µg/L	0.0204	11	
PCB IUPAC # 183	0.411		µg/L	0.0135	10	
PCB IUPAC # 187	0.884		µg/L	0.0285	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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