



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

**AM-S-W2405**

Biological matrix : Serum

Date of publication :  
Expiration date : 2029-03-28

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2405	Brominated flame retardants	PBDE IUPAC # 100	0.312	µg/L	0.00974	13
		PBDE IUPAC # 153	0.354	µg/L	0.0163	12
		PBDE IUPAC # 154	0.463	µg/L	0.0101	12
		PBDE IUPAC # 183	0.290	µg/L	0.0105	7
		PBDE IUPAC # 28	0.248	µg/L	0.00737	12
		PBDE IUPAC # 47	0.284	µg/L	0.0158	14
		PBDE IUPAC # 99	0.555	µg/L	0.0152	13
	Organochlorinated pesticides	Hexachlorobenzene	0.688	µg/L	0.0172	16
		Oxychlorodane	0.338	µg/L	0.00643	15
		p,p'-DDE	1.04	µg/L	0.0342	19
		p,p'-DDT	0.300	µg/L	0.0119	16
		β-HCH	0.524	µg/L	0.0196	16
		trans-Nonachlor	0.558	µg/L	0.0184	13
		Heptachlor	0.343	µg/L	0.0337	8
		Heptachlor epoxide	0.399	µg/L	0.0316	8
		Dieldrin	1.15	µg/L	0.0740	10
		Mirex	1.14	µg/L	0.0496	11
		cis-Nonachlor	0.509	µg/L	0.0307	7
		PCB congeners	PCB IUPAC # 105	0.177	µg/L	0.00635
	PCB IUPAC # 118		0.613	µg/L	0.0219	17
	PCB IUPAC # 138		0.860	µg/L	0.0727	16
	PCB IUPAC # 153		0.321	µg/L	0.0106	14
	PCB IUPAC # 170		0.230	µg/L	0.00803	13
	PCB IUPAC # 180		0.736	µg/L	0.0281	18
	PCB IUPAC # 28		0.628	µg/L	0.0139	16
	PCB IUPAC # 74		0.524	µg/L	0.00799	11
PCB IUPAC # 99	0.263		µg/L	0.0113	13	
PCB IUPAC # 52	0.555		µg/L	0.0259	16	
PCB IUPAC # 101	0.455		µg/L	0.0167	17	
PCB IUPAC # 183	0.831		µg/L	0.0282	13	
PCB IUPAC # 187	0.302		µg/L	0.0117	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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