



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2502

Biological matrix : Serum

Date of publication :

Expiration date :

2029-10-07

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2502	Brominated flame retardants	PBDE IUPAC # 100	0.402	µg/L	0.0342	10
		PBDE IUPAC # 153	0.349	µg/L	0.0260	10
		PBDE IUPAC # 154	0.203	µg/L	0.0190	10
		PBDE IUPAC # 183	0.219	µg/L	0.0146	7
		PBDE IUPAC # 209	0.331	µg/L	0.0163	3
		PBDE IUPAC # 28	0.624	µg/L	0.0234	9
		PBDE IUPAC # 47	0.373	µg/L	0.0105	10
		PBDE IUPAC # 99	0.187	µg/L	0.0130	11
	Organochlorinated pesticides	Hexachlorobenzene	0.379	µg/L	0.0126	11
		Oxychlordane	0.942	µg/L	0.0293	8
		p,p'-DDE	1.23	µg/L	0.0360	13
		p,p'-DDT	0.778	µg/L	0.0532	12
		β-HCH	0.285	µg/L	0.0137	12
		trans-Nonachlor	0.278	µg/L	0.0120	10
		Heptachlor	1.04	µg/L	0.0297	7
		Heptachlor epoxide	0.247	µg/L	0.0150	6
		Dieldrin	0.322	µg/L	0.0200	7
		Mirex	0.468	µg/L	0.0194	8
		cis-Nonachlor	0.789	µg/L	0.0204	7
	PCB congeners	PCB IUPAC # 105	0.212	µg/L	0.00477	10
		PCB IUPAC # 118	0.268	µg/L	0.00826	14
		PCB IUPAC # 138	0.247	µg/L	0.0104	9
		PCB IUPAC # 153	0.557	µg/L	0.0139	14
		PCB IUPAC # 170	0.363	µg/L	0.0149	11
		PCB IUPAC # 180	0.258	µg/L	0.00778	13
		PCB IUPAC # 28	0.330	µg/L	0.00666	13
		PCB IUPAC # 74	0.257	µg/L	0.0134	10
		PCB IUPAC # 99	0.348	µg/L	0.0147	11
		PCB IUPAC # 52	0.204	µg/L	0.00607	12
		PCB IUPAC # 101	0.663	µg/L	0.0173	13
		PCB IUPAC # 183	0.416	µg/L	0.0105	10
		PCB IUPAC # 187	0.910	µg/L	0.0357	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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