



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2509

Biological matrix : Serum Date of publication : 2030-03-26
Expiration date :

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2509	Brominated flame retardants	PBDE IUPAC # 100	0.253	µg/L	0.0121	11
		PBDE IUPAC # 153	0.345	µg/L	0.0155	12
		PBDE IUPAC # 154	0.188	µg/L	0.00809	11
		PBDE IUPAC # 183	0.385	µg/L	0.0247	9
		PBDE IUPAC # 209	0.238	µg/L	0.0538	4
		PBDE IUPAC # 28	0.337	µg/L	0.0118	11
		PBDE IUPAC # 47	0.573	µg/L	0.0210	12
		PBDE IUPAC # 99	0.384	µg/L	0.0141	12
	Organochlorinated pesticides	Hexachlorobenzene	0.516	µg/L	0.0131	16
		Oxychlorane	0.568	µg/L	0.0255	13
		p,p'-DDE	1.91	µg/L	0.0463	18
		p,p'-DDT	0.828	µg/L	0.0327	16
		β-HCH	1.30	µg/L	0.0443	16
		trans-Nonachlor	1.15	µg/L	0.0360	14
		Heptachlor	0.463	µg/L	0.0556	8
		Heptachlor epoxide	0.748	µg/L	0.0360	7
		Dieldrin	0.243	µg/L	0.0136	8
		Mirex	0.836	µg/L	0.0302	11
		cis-Nonachlor	1.08	µg/L	0.0272	9
	PCB congeners	PCB IUPAC # 105	0.333	µg/L	0.00889	13
		PCB IUPAC # 118	0.268	µg/L	0.0130	16
		PCB IUPAC # 138	0.919	µg/L	0.0535	16
		PCB IUPAC # 153	0.474	µg/L	0.0539	16
		PCB IUPAC # 170	0.724	µg/L	0.0201	13
		PCB IUPAC # 180	0.320	µg/L	0.0123	16
		PCB IUPAC # 28	0.816	µg/L	0.0311	14
		PCB IUPAC # 74	0.473	µg/L	0.0104	12
		PCB IUPAC # 99	0.379	µg/L	0.0169	13
		PCB IUPAC # 52	0.667	µg/L	0.0163	13
		PCB IUPAC # 101	0.788	µg/L	0.0264	16
		PCB IUPAC # 183	0.608	µg/L	0.0190	13
		PCB IUPAC # 187	0.869	µg/L	0.0345	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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