



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2504

Biological matrix : Serum Date of publication : 2030-03-18
Expiration date :

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2504	Brominated flame retardants	PBDE IUPAC # 100	0.261	µg/L	0.0168	10
		PBDE IUPAC # 153	0.408	µg/L	0.0111	10
		PBDE IUPAC # 154	0.131	µg/L	0.00894	10
		PBDE IUPAC # 183	0.179	µg/L	0.0124	8
		PBDE IUPAC # 209	0.908	µg/L	0.344	4
		PBDE IUPAC # 28	0.132	µg/L	0.00698	10
		PBDE IUPAC # 47	0.213	µg/L	0.00635	11
		PBDE IUPAC # 99	0.134	µg/L	0.00673	11
	Organochlorinated pesticides	Hexachlorobenzene	0.229	µg/L	0.00788	11
		Oxychlordane	0.790	µg/L	0.0411	9
		p,p'-DDE	0.871	µg/L	0.0275	13
		p,p'-DDT	0.193	µg/L	0.0101	13
		β-HCH	0.178	µg/L	0.0111	12
		trans-Nonachlor	0.206	µg/L	0.00654	9
		Heptachlor	0.600	µg/L	0.0470	6
		Heptachlor epoxide	0.118	µg/L	0.00658	6
		Dieldrin	0.160	µg/L	0.0310	8
		Mirex	0.746	µg/L	0.0492	9
		cis-Nonachlor	0.521	µg/L	0.0304	6
	PCB congeners	PCB IUPAC # 105	0.393	µg/L	0.0131	11
		PCB IUPAC # 118	0.268	µg/L	0.00951	14
		PCB IUPAC # 138	0.310	µg/L	0.0163	14
		PCB IUPAC # 153	0.236	µg/L	0.0229	15
		PCB IUPAC # 170	0.351	µg/L	0.0114	11
		PCB IUPAC # 180	0.192	µg/L	0.00932	14
		PCB IUPAC # 28	0.333	µg/L	0.0118	13
		PCB IUPAC # 74	0.182	µg/L	0.0128	11
		PCB IUPAC # 99	0.262	µg/L	0.0156	11
		PCB IUPAC # 52	0.110	µg/L	0.00819	10
		PCB IUPAC # 101	0.779	µg/L	0.0293	14
		PCB IUPAC # 183	0.652	µg/L	0.0403	10
		PCB IUPAC # 187	0.119	µg/L	0.00914	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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