



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2505

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

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2505	Brominated flame retardants	PBDE IUPAC # 100	0.464	µg/L	0.0228	10
		PBDE IUPAC # 153	0.189	µg/L	0.00962	11
		PBDE IUPAC # 154	0.478	µg/L	0.0307	10
		PBDE IUPAC # 183	0.440	µg/L	0.0330	8
		PBDE IUPAC # 209	0.219	µg/L	0.0742	4
		PBDE IUPAC # 28	0.363	µg/L	0.00766	10
		PBDE IUPAC # 47	0.844	µg/L	0.0250	11
		PBDE IUPAC # 99	0.483	µg/L	0.0125	11
	Organochlorinated pesticides	Hexachlorobenzene	0.598	µg/L	0.0121	11
		Oxychlorane	0.335	µg/L	0.0109	9
		p,p'-DDE	1.10	µg/L	0.0371	14
		p,p'-DDT	0.425	µg/L	0.0199	14
		β-HCH	0.789	µg/L	0.0245	13
		trans-Nonachlor	0.757	µg/L	0.0220	10
		Heptachlor	0.386	µg/L	0.0248	6
		Heptachlor epoxide	0.779	µg/L	0.0257	6
		Dieldrin	0.836	µg/L	0.0392	6
		Mirex	0.670	µg/L	0.0480	9
		cis-Nonachlor	0.0867	µg/L	0.00440	6
	PCB congeners	PCB IUPAC # 105	0.304	µg/L	0.0174	11
		PCB IUPAC # 118	0.752	µg/L	0.0392	14
		PCB IUPAC # 138	0.636	µg/L	0.0432	14
		PCB IUPAC # 153	0.694	µg/L	0.0355	12
		PCB IUPAC # 170	0.293	µg/L	0.00922	11
		PCB IUPAC # 180	0.882	µg/L	0.0299	14
		PCB IUPAC # 28	0.795	µg/L	0.0216	13
		PCB IUPAC # 74	0.333	µg/L	0.0229	11
		PCB IUPAC # 99	0.583	µg/L	0.0139	11
		PCB IUPAC # 52	0.801	µg/L	0.0302	11
		PCB IUPAC # 101	0.280	µg/L	0.0150	14
		PCB IUPAC # 183	0.295	µg/L	0.0170	10
		PCB IUPAC # 187	0.636	µg/L	0.0376	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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