



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2404

Biological matrix : Serum Date of publication : 2029-03-28
Expiration date :

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2404	Brominated flame retardants	PBDE IUPAC # 100	0.476	µg/L	0.0173	13
		PBDE IUPAC # 153	0.831	µg/L	0.0552	12
		PBDE IUPAC # 154	0.223	µg/L	0.00875	13
		PBDE IUPAC # 183	0.184	µg/L	0.0143	7
		PBDE IUPAC # 28	0.646	µg/L	0.0296	12
		PBDE IUPAC # 47	0.360	µg/L	0.0232	14
		PBDE IUPAC # 99	0.217	µg/L	0.00806	13
	Organochlorinated pesticides	Hexachlorobenzene	0.420	µg/L	0.0161	16
		Oxychlorane	1.03	µg/L	0.0296	16
		p,p'-DDE	2.50	µg/L	0.0913	17
		p,p'-DDT	0.794	µg/L	0.0368	17
		β-HCH	0.332	µg/L	0.0169	16
		trans-Nonachlor	0.326	µg/L	0.0106	12
		Heptachlor	1.14	µg/L	0.0645	9
		Heptachlor epoxide	0.285	µg/L	0.0268	8
		Dieldrin	0.365	µg/L	0.0198	10
		Mirex	0.466	µg/L	0.0258	12
		cis-Nonachlor	0.713	µg/L	0.0699	7
	PCB congeners	PCB IUPAC # 105	0.230	µg/L	0.00703	12
		PCB IUPAC # 118	0.305	µg/L	0.00860	16
		PCB IUPAC # 138	0.270	µg/L	0.0229	13
		PCB IUPAC # 153	0.589	µg/L	0.0157	16
		PCB IUPAC # 170	0.448	µg/L	0.0183	13
		PCB IUPAC # 180	0.264	µg/L	0.00545	17
		PCB IUPAC # 28	0.351	µg/L	0.0144	16
		PCB IUPAC # 74	0.269	µg/L	0.00728	12
		PCB IUPAC # 99	0.367	µg/L	0.00724	13
		PCB IUPAC # 52	0.227	µg/L	0.00752	15
		PCB IUPAC # 101	0.698	µg/L	0.0141	16
		PCB IUPAC # 183	0.464	µg/L	0.0161	13
		PCB IUPAC # 187	0.915	µg/L	0.0351	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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