



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2406

Biological matrix : Serum Date of publication : 2029-01-08
Expiration date :

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2406	Brominated flame retardants	PBDE IUPAC # 100	0.682	µg/L	0.0213	12
		PBDE IUPAC # 153	0.605	µg/L	0.0294	12
		PBDE IUPAC # 154	0.553	µg/L	0.0244	13
		PBDE IUPAC # 183	0.517	µg/L	0.0333	7
		PBDE IUPAC # 28	0.844	µg/L	0.0433	12
		PBDE IUPAC # 47	1.54	µg/L	0.0932	12
		PBDE IUPAC # 99	0.699	µg/L	0.0307	13
	Organochlorinated pesticides	Hexachlorobenzene	1.92	µg/L	0.0756	17
		Oxychlorane	1.94	µg/L	0.122	16
		p,p'-DDE	7.25	µg/L	0.217	17
		p,p'-DDT	1.74	µg/L	0.0689	16
		β-HCH	1.91	µg/L	0.107	17
		trans-Nonachlor	4.47	µg/L	0.0811	14
		Heptachlor	1.86	µg/L	0.181	8
		Heptachlor epoxide	1.68	µg/L	0.140	9
		Dieldrin	1.80	µg/L	0.0887	11
		Mirex	2.65	µg/L	0.137	10
		cis-Nonachlor	2.51	µg/L	0.258	7
	PCB congeners	PCB IUPAC # 105	0.450	µg/L	0.0127	12
		PCB IUPAC # 118	0.918	µg/L	0.0318	17
		PCB IUPAC # 138	1.63	µg/L	0.122	13
		PCB IUPAC # 153	1.91	µg/L	0.0448	13
		PCB IUPAC # 170	0.926	µg/L	0.0316	13
		PCB IUPAC # 180	1.90	µg/L	0.0665	18
		PCB IUPAC # 28	0.934	µg/L	0.0210	16
		PCB IUPAC # 74	0.760	µg/L	0.0170	11
		PCB IUPAC # 99	0.935	µg/L	0.0306	13
		PCB IUPAC # 52	0.791	µg/L	0.0235	16
		PCB IUPAC # 101	0.966	µg/L	0.0343	17
		PCB IUPAC # 183	1.18	µg/L	0.0318	13
		PCB IUPAC # 187	1.24	µg/L	0.0600	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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