



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2604

Biological matrix : Serum Date of publication : Expiration date : 2031-02-16

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2604	Brominated flame retardants	PBDE IUPAC # 100	0.676	µg/L	0.0212	9
		PBDE IUPAC # 153	0.536	µg/L	0.0217	10
		PBDE IUPAC # 154	0.520	µg/L	0.0267	9
		PBDE IUPAC # 183	0.515	µg/L	0.0154	9
		PBDE IUPAC # 209	1.73	µg/L	0.122	4
		PBDE IUPAC # 28	0.715	µg/L	0.0145	9
		PBDE IUPAC # 47	1.40	µg/L	0.0275	10
		PBDE IUPAC # 99	0.575	µg/L	0.0306	9
	Organochlorinated pesticides	Hexachlorobenzene	2.15	µg/L	0.0653	13
		Oxychlordane	1.86	µg/L	0.0465	9
		p,p'-DDE	8.71	µg/L	0.230	13
		p,p'-DDT	1.96	µg/L	0.0350	11
		β-HCH	1.95	µg/L	0.0715	11
		trans-Nonachlor	4.42	µg/L	0.149	11
		Heptachlor	1.72	µg/L	0.0503	6
		Heptachlor epoxide	1.74	µg/L	0.0887	6
		Dieldrin	1.62	µg/L	0.111	8
		Mirex	4.23	µg/L	0.0542	7
		cis-Nonachlor	4.10	µg/L	0.0957	5
	PCB congeners	PCB IUPAC # 105	0.415	µg/L	0.0190	9
		PCB IUPAC # 118	0.813	µg/L	0.0382	12
		PCB IUPAC # 138	1.94	µg/L	0.113	10
		PCB IUPAC # 153	2.04	µg/L	0.190	11
		PCB IUPAC # 170	1.01	µg/L	0.0362	9
		PCB IUPAC # 180	1.79	µg/L	0.0781	12
		PCB IUPAC # 28	0.920	µg/L	0.0254	13
		PCB IUPAC # 74	0.692	µg/L	0.0397	9
		PCB IUPAC # 99	0.879	µg/L	0.0391	9
		PCB IUPAC # 52	0.575	µg/L	0.0246	12
		PCB IUPAC # 101	1.74	µg/L	0.0626	12
		PCB IUPAC # 183	2.02	µg/L	0.133	9
		PCB IUPAC # 187	1.98	µg/L	0.130	9

* 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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