



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2605

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

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2605	Brominated flame retardants	PBDE IUPAC # 100	0.185	µg/L	0.00961	9
		PBDE IUPAC # 153	0.227	µg/L	0.00461	10
		PBDE IUPAC # 154	0.450	µg/L	0.0240	9
		PBDE IUPAC # 183	0.198	µg/L	0.00756	9
		PBDE IUPAC # 209	0.513	µg/L	0.00396	4
		PBDE IUPAC # 28	0.296	µg/L	0.00941	9
		PBDE IUPAC # 47	0.254	µg/L	0.0101	10
		PBDE IUPAC # 99	0.296	µg/L	0.0117	9
	Organochlorinated pesticides	Hexachlorobenzene	0.382	µg/L	0.0109	12
		Oxychlorane	0.802	µg/L	0.0321	8
		p,p'-DDE	3.36	µg/L	0.101	13
		p,p'-DDT	0.389	µg/L	0.00800	11
		β-HCH	0.655	µg/L	0.0443	11
		trans-Nonachlor	0.315	µg/L	0.0155	10
		Heptachlor	0.840	µg/L	0.0386	6
		Heptachlor epoxide	0.206	µg/L	0.0147	5
		Dieldrin	0.336	µg/L	0.0245	7
		Mirex	1.01	µg/L	0.0544	8
		cis-Nonachlor	0.803	µg/L	0.0221	5
	PCB congeners	PCB IUPAC # 105	0.308	µg/L	0.0132	9
		PCB IUPAC # 118	0.313	µg/L	0.0148	12
		PCB IUPAC # 138	0.288	µg/L	0.0222	10
		PCB IUPAC # 153	0.495	µg/L	0.0291	11
		PCB IUPAC # 170	0.343	µg/L	0.00909	9
		PCB IUPAC # 180	0.302	µg/L	0.0157	12
		PCB IUPAC # 28	0.513	µg/L	0.0186	13
		PCB IUPAC # 74	0.263	µg/L	0.0149	9
		PCB IUPAC # 99	0.246	µg/L	0.0110	9
		PCB IUPAC # 52	0.752	µg/L	0.0401	12
		PCB IUPAC # 101	0.922	µg/L	0.0448	12
		PCB IUPAC # 183	0.400	µg/L	0.0205	9
		PCB IUPAC # 187	0.774	µg/L	0.0538	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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