



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2503

Biological matrix : Serum Date of publication : 2029-10-07
Expiration date :

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2503	Brominated flame retardants	PBDE IUPAC # 100	0.515	µg/L	0.0520	10
		PBDE IUPAC # 153	0.293	µg/L	0.0118	10
		PBDE IUPAC # 154	0.674	µg/L	0.0487	10
		PBDE IUPAC # 183	0.628	µg/L	0.0231	7
		PBDE IUPAC # 209	1.33	µg/L	0.233	3
		PBDE IUPAC # 28	0.777	µg/L	0.0321	9
		PBDE IUPAC # 47	1.67	µg/L	0.0550	10
		PBDE IUPAC # 99	0.757	µg/L	0.0232	11
	Organochlorinated pesticides	Hexachlorobenzene	1.01	µg/L	0.0461	12
		Oxychlordane	0.511	µg/L	0.0245	8
		p,p'-DDE	7.03	µg/L	0.239	12
		p,p'-DDT	1.69	µg/L	0.107	12
		β-HCH	0.345	µg/L	0.0191	12
		trans-Nonachlor	4.14	µg/L	0.0848	12
		Heptachlor	1.15	µg/L	0.0427	7
		Heptachlor epoxide	0.634	µg/L	0.0393	6
		Dieldrin	0.924	µg/L	0.0799	7
		Mirex	2.80	µg/L	0.188	7
		cis-Nonachlor	2.68	µg/L	0.130	7
	PCB congeners	PCB IUPAC # 105	0.390	µg/L	0.0155	10
		PCB IUPAC # 118	0.703	µg/L	0.0264	14
		PCB IUPAC # 138	1.78	µg/L	0.103	12
		PCB IUPAC # 153	1.84	µg/L	0.0637	14
		PCB IUPAC # 170	0.844	µg/L	0.0503	11
		PCB IUPAC # 180	1.57	µg/L	0.0379	14
		PCB IUPAC # 28	0.970	µg/L	0.0271	13
		PCB IUPAC # 74	0.630	µg/L	0.0260	10
		PCB IUPAC # 99	0.960	µg/L	0.0272	11
		PCB IUPAC # 52	0.892	µg/L	0.0186	12
		PCB IUPAC # 101	0.609	µg/L	0.0170	13
		PCB IUPAC # 183	1.12	µg/L	0.0296	10
		PCB IUPAC # 187	1.16	µg/L	0.0370	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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