



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2508

Biological matrix : Serum Date of publication : Expiration date : 2030-03-26

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2508	Brominated flame retardants	PBDE IUPAC # 100	0.241	µg/L	0.0123	11
		PBDE IUPAC # 153	0.107	µg/L	0.00386	12
		PBDE IUPAC # 154	0.0495	µg/L	0.00103	10
		PBDE IUPAC # 183	0.0904	µg/L	0.00394	9
		PBDE IUPAC # 209	0.115	µg/L	0.0134	4
		PBDE IUPAC # 28	0.0541	µg/L	0.00227	11
		PBDE IUPAC # 47	0.118	µg/L	0.00375	12
		PBDE IUPAC # 99	0.0526	µg/L	0.00250	12
	Organochlorinated pesticides	Hexachlorobenzene	0.137	µg/L	0.00795	16
		Oxychlordane	0.896	µg/L	0.0310	13
		p,p'-DDE	0.694	µg/L	0.0182	17
		p,p'-DDT	0.115	µg/L	0.00767	16
		β-HCH	0.121	µg/L	0.00833	16
		trans-Nonachlor	0.584	µg/L	0.0275	13
		Heptachlor	0.715	µg/L	0.0784	8
		Heptachlor epoxide	0.601	µg/L	0.0268	7
		Dieldrin	0.0563	µg/L	0.00562	6
		Mirex	0.163	µg/L	0.0116	11
		cis-Nonachlor	0.357	µg/L	0.0163	9
	PCB congeners	PCB IUPAC # 105	0.0565	µg/L	0.00341	13
		PCB IUPAC # 118	0.533	µg/L	0.0158	16
		PCB IUPAC # 138	0.592	µg/L	0.0400	16
		PCB IUPAC # 153	0.264	µg/L	0.0190	16
		PCB IUPAC # 170	0.121	µg/L	0.00371	13
		PCB IUPAC # 180	0.642	µg/L	0.0159	16
		PCB IUPAC # 28	0.203	µg/L	0.00912	14
		PCB IUPAC # 74	0.357	µg/L	0.0112	12
		PCB IUPAC # 99	0.555	µg/L	0.0206	13
		PCB IUPAC # 52	0.0643	µg/L	0.00678	11
		PCB IUPAC # 101	0.280	µg/L	0.0138	16
		PCB IUPAC # 183	0.0616	µg/L	0.00284	13
		PCB IUPAC # 187	0.227	µg/L	0.00778	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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