



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

AM-S-W2401

Biological matrix : Serum

Date of publication :
Expiration date : 2028-10-11

MATERIAL NUMBER	ANALYTE GROUPING	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
AM-S-W2401	Brominated flame retardants	PBDE IUPAC # 100	0.0534	µg/L	0.00189	12
		PBDE IUPAC # 153	0.0694	µg/L	0.00336	12
		PBDE IUPAC # 154	0.0552	µg/L	0.00427	11
		PBDE IUPAC # 183	0.0918	µg/L	0.0106	9
		PBDE IUPAC # 209	0.144	µg/L	0.00977	4
		PBDE IUPAC # 28	0.0592	µg/L	0.00385	11
		PBDE IUPAC # 47	0.122	µg/L	0.00410	13
		PBDE IUPAC # 99	0.0560	µg/L	0.00287	13
	Organochlorinated pesticides	Hexachlorobenzene	0.157	µg/L	0.00497	16
		Oxychlorane	0.135	µg/L	0.00689	11
		p,p'-DDE	0.894	µg/L	0.0270	18
		p,p'-DDT	0.122	µg/L	0.00546	15
		β-HCH	0.146	µg/L	0.00876	15
		trans-Nonachlor	0.148	µg/L	0.00486	13
		Heptachlor	0.0537	µg/L	0.00643	7
		Heptachlor epoxide	0.0580	µg/L	0.00636	7
		Dieldrin	0.0992	µg/L	0.0144	8
		Mirex	0.394	µg/L	0.00869	10
		cis-Nonachlor	0.347	µg/L	0.0228	7
	PCB congeners	PCB IUPAC # 105	0.0565	µg/L	0.00204	13
		PCB IUPAC # 118	0.129	µg/L	0.00312	16
		PCB IUPAC # 138	0.179	µg/L	0.0111	12
		PCB IUPAC # 153	0.229	µg/L	0.00894	18
		PCB IUPAC # 170	0.137	µg/L	0.00586	13
		PCB IUPAC # 180	0.197	µg/L	0.00809	18
		PCB IUPAC # 28	0.234	µg/L	0.00680	15
		PCB IUPAC # 74	0.133	µg/L	0.00554	12
		PCB IUPAC # 99	0.134	µg/L	0.00408	13
		PCB IUPAC # 52	0.0636	µg/L	0.00457	14
		PCB IUPAC # 101	0.110	µg/L	0.00291	15
		PCB IUPAC # 183	0.0674	µg/L	0.00176	13
		PCB IUPAC # 187	0.0772	µg/L	0.00193	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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Centre de toxicologie / INSPQ | 945, ave. Wolfe | Québec (Québec) G1V 5B3 | Canada
Tél. : (418) 650-5115, poste 4254 | Fax : (418) 654-2148 | Courriel : ctq@inspq.qc.ca | Site Web : www.inspq.qc.ca/ctq
Magasin virtuel : www.inspq.qc.ca/ctq/vente | Virtual store/reference material : www.inspq.qc.ca/ctq/sales