



0761 PCBs Profile - Serum

Methodology: Gas Chromatography/Mass Spectrometry

	Results ppb	95th Percentile** ppb	Lipid Adjusted Results ng/g lipid	95th Percentile** ng/g lipid
Dioxin-like Polychlorinated Biphenyls				
1. PCB 118	Not Detected	0.22	N/A	31.3
2. PCB 126	Not Detected	0.00048	N/A	0.069
3. PCB 156	Not Detected	0.10	N/A	15.3
4. PCB 169	Not Detected	0.00027	N/A	0.041
5. PCB 77†	Not Detected		N/A	
Non-Dioxin-like Polychlorinated Biphenyls				
6. PCB 74	Not Detected	0.15	N/A	22.3
7. PCB 138	Detected 0.06 - 0.18*	0.48	Detected 18.6 - 55.8*	75.3
8. PCB 153	Not Detected	0.62	N/A	97.1
9. PCB 180	Detected 0.08 - 0.26*	0.53	Detected 24.8 - 80.6*	81.5
Cholesterol	60.8	<= 200	mg/dl	
Triglycerides	80	35 - 160	mg/dL	
Total Lipids (calc.)*	3		g/L	

* Patient value falls in this range.

** 95th percentile values are from the NHANES Fourth National Report on Human Exposure to Environmental Chemicals, CDC, 2009.

These levels provide a reference range to determine whether an individual has been exposed to higher levels of toxicants than found in the general population.

†No national percentiles have been set for PCB 77. Detected levels are above the Genova Diagnostics limit of quantification (0.07 ppb).

‡ Covaci A, Voorspoels S, Thomsen C, van Bavel B., Neels H. Evaluation of total lipids using enzymatic methods for the normalization of persistent organic pollutant levels in serum. *Science of the Total Environment* 366(2006) 361-366.

For interpretive information, visit www.metamatrix.com/pcbs and select the Interpretive Guide from the downloads tab.