



Accession Number: **A0904210196**

Reference Number:

Patient: Sample Report

Age: 41 Sex: Male

Date of Birth: 02/05/1968

Date Collected: 4/20/09

Date Received: 4/21/09

Report Date: 4/24/09

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Reprinted: 5/20/09

Comment:

Ordering Physician:

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0761 AccuChem Polychlorinated Biphenyls (PCBs) - Serum Methodology: Gas Chromatography/Mass Spectrometry

	Results	95th Percentile** (ppb)	Lipid Adjusted Results	95th Percentile** (ng/g lipid)
Dioxin-like Polychlorinated Biphenyls				
PCB 118	Not Detected	0.3	N/A	44.6
PCB 126	Not Detected	7.3E-04	N/A	0.11
PCB 169	Not Detected	4.2E-04	N/A	0.06
Non-Dioxin-like Polychlorinated Biphenyls				
PCB 138	Not Detected	0.6	N/A	94.6
PCB 153	Not Detected	0.9	N/A	126
PCB 180	Detected 0.5 - 1.7*	0.6	Detected 79.6 - 270.6*	87
Cholesterol	215 H	<= 200 mg/dL		
Triglycerides	180 H	35 - 160 mg/dL		
Total Lipids (calc.)***	6.3	g/L		

*Patient value falls in this range.

**95th percentile values are from the NHANES Third National Report on Human Exposure to Environmental Chemicals.

***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.

Finding a measurable amount of one or more Polychlorinated Biphenyls in serum does not mean that the level of one or more of these causes an adverse health effect. Whether the concentrations reported here are a cause for health concern is not yet known; more research is needed. These levels provide physicians with a reference range so that they can determine whether or not people have been exposed to higher levels of Polychlorinated Biphenyls than levels found in the general population.

--Third National Report on Human Exposure to Environmental Chemicals, CDC 2005