

Accession #: **A1105120003**
 Order #: G1234567
 Reference #:
 Patient: **Sample Report**
 Date of Birth: 02/05/1962
 Age: 49
 Sex: Female
 Reprinted: 07/11/2013
 Comment:

Date Collected: 05/11/2011
 Date Received: 05/12/2011
 Date of Report: 05/12/2011
 Telephone: 7704464583
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Ordering Physician:

John Doe, MD

**1234 Main St.
 Anywhere, GA 30096**



0740 Phthalates & Parabens Profile - Urine

Methodology: Gas Chromatography/Mass Spectrometry

Results	Percentile			
	50th	75th	90th	95th

Phthalates - Metabolites of DEHP (Di-2-ethylhexyl phthalate)

	Results	50th	75th	90th	95th
1. MEHHP	95	19	41	99	179
2. MEHP	21	2.4	5.2	11.8	22.1
3. MEOHP	42	11	22	53	107
4. MEtP	178	115	312	835	1500

Parabens

	Results	50th	75th	90th	95th
5. Butylparaben	23.6	<DL	1.2	9.8	23.1
6. Ethylparaben	78.1	<DL	5.5	32.7	78.8
7. Methylparaben	1000	61	228	535	817
8. Propylparaben	234	8	50	138	235

Creatinine = 205 mg/dL

Percentile values are from the NHANES Fourth National Report on Human Exposure to Environmental Chemicals, Updated Tables, CDC, Feb. 2011.

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.

<DL = less than detection limit

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

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0762 Volatile Solvents Profile - Whole Blood

Methodology: Gas Chromatography/Mass Spectrometry

	Results ng/mL	Percentile			
		50th	75th	90th	95th
1. Benzene Repeated and Verified	0.4	<DL	0.06	0.17	0.26
2. Ethylbenzene	0.27	<DL	0.05	0.08	0.11
3. Styrene	0.37	<DL	0.05	0.09	0.12
4. Toluene	<DL	<DL	<DL	0.43	0.68
5. m,p-Xylene	1	0.13	0.2	0.28	0.34
6. o-Xylene	0.022	<DL	0.051	0.072	0.09

Percentile values are from the NHANES Fourth National Report on Human Exposure to Environmental Chemicals, CDC, 2009.

7. Hexane	420	236	304	380	419
8. 2-Methylpentane	82	52	63	75	88
9. 3-Methylpentane	74	100	116	142	164
10. Iso-octane	5.7	7.6	8.6	9.6	10.2

No national reference ranges are established for hexane, 2- and 3- methylpentane and iso-octane. Percentile ranges are based on patient samples analyzed at Genova Diagnostics.

<DL = less than detection limit

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.

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Toxic Effects
profiles.

1760 Chlorinated Pesticides & PCB Profile - Serum

Methodology: Gas Chromatography/Mass Spectrometry

	Results ppb	95th Percentile** ppb	Lipid Adjusted Results ng/g lipid	95th Percentile** ng/g lipid
Chlorinated Pesticides				
1. DDE	Detected 0.3	12.10	Detected 74.5	1860
2. DDT	Not Detected	0.13	N/A	19.5
3. Dieldrin	Not Detected	0.14	N/A	19.0
4. Heptachlor Epoxide	Not Detected	0.13	N/A	18.9
5. Hexachlorobenzene (HCB)	Not Detected	0.19	N/A	28.9
6. Mirex	Not Detected	0.09	N/A	13.2
7. Oxychlorane	Not Detected	0.27	N/A	37.7
8. trans-Nonachlor	Not Detected	0.47	N/A	68.3
9. Endosulfan Sulfate†	Not Detected		N/A	
Polychlorinated Biphenyls (PCBs)				
Dioxin-like Polychlorinated Biphenyls				
10. PCB 118	Not Detected	0.22	N/A	31.3
11. PCB 126	Not Detected	0.00048	N/A	0.069
12. PCB 156	Not Detected	0.10	N/A	15.3
13. PCB 169	Not Detected	0.00027	N/A	0.041
Non-Dioxin-like Polychlorinated Biphenyls				
14. PCB 74	Not Detected	0.15	N/A	22.3
15. PCB 138	Detected 0.06 - 0.18*	0.48	Detected 14.9 - 44.7*	75.3
16. PCB 153	Detected 0.1 - 0.32*	0.62	Detected 24.8 - 79.5*	97.1
17. PCB 180	Not Detected	0.53	N/A	81.5
18. PCB 77‡	Not Detected		N/A	



	Results ppb	95th Percentile** ppb	Lipid Adjusted Results ng/g lipid	95th Percentile** ng/g lipid
Cholesterol	92.00	<= 200	mg/dL	
Triglycerides	114	35 - 160	mg/dL	
Total Lipids (calc.)††	4		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 Endosulfan Sulfate. Detected levels are above the Genova Diagnostics limit of quantification (0.34 ppb).

‡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 on chlorinated pesticides, visit www.metametrix.com/cp and select the Interpretive Guide from the downloads tab.

For interpretive information on polychlorinated biphenyls, visit www.metametrix.com/pcbs and select the Interpretive Guide from the downloads tab.