



www.gdx.net • 800.522.4762

Ordering Physician:
Center for Optimal Health
Michael Cheikin, MD

832 Germantown Pike
Ste 3
Plymouth Meeting, PA 19462

Accession #: A1411190142
Order #: H9191224
Reference #:
Patient: Trevon Kanavy
Date of Birth: 04/01/1970
Age: 44
Sex: Male
Reprinted:
Comment:

Date Collected: 11/18/2014
Date Received: 11/19/2014
Date of Report: 12/09/2014
Telephone: 6102399901
Fax: 8662170158



Toxic Effects profiles.

1761 Chlorinated Pesticides, PCB, Volatile Solvents Profile - Serum/Whole Blood

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	Not Detected	12.10	N/A	1860
2. DDT	Not Detected	0.13	N/A	19.5
3. Dieldrin	Detected 1.93	0.14	Detected 341.56	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. Oxychlorodane	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	Not Detected	0.48	N/A	75.3
16. PCB 153	Detected 0.1 - 0.32*	0.62	Detected 17.7 - 56.6*	97.1
17. PCB 180	Not Detected	0.53	N/A	81.5
18. PCB 77‡	Detected 0.02 - 0.07*		Detected 3.5 - 12.4*	

Cholesterol	161	<= 200	mg/dl
Triglycerides	178 H	35 - 160	mg/dL
Total Lipids (calc.)*	6		g/L

* Patient value falls in this range.

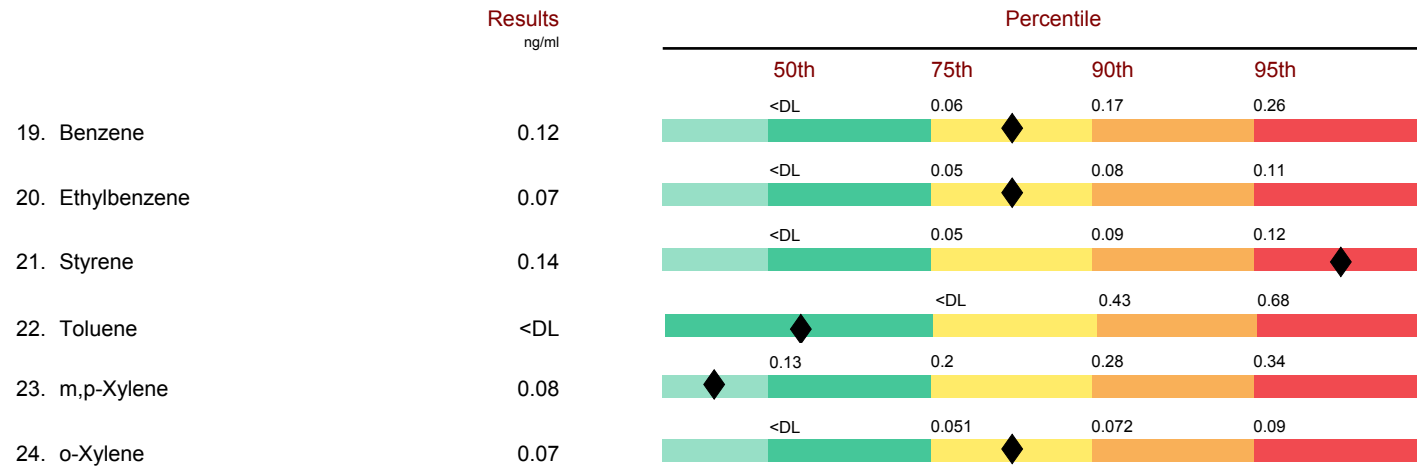
** 95th percentile values are from the NHANES Fourth National Report on Human Exposure to Environmental Chemicals, CDC, 2009.

†No national percentiles have been set for Endosulfan Sulfate. Detected levels are above the Genova Diagnostics limit of quantification (0.34 ppb).

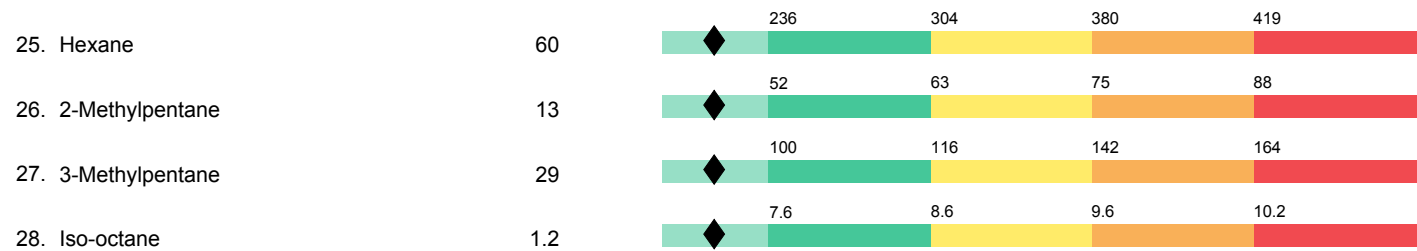
‡No national percentiles have been set for PCB 77. Detected levels are above the Genova Diagnostics limit of quantification (0.07 ppb).

†† 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.

Volatile Solvents



Percentile values for #19 - #24 are from the NHANES Fourth National Report on Human Exposure to Environmental Chemicals, CDC, 2009.



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.

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.

For interpretative information, visit www.metamatrix.com/vs and select the Interpretative Guide from the downloads tab.

For interpretative information, visit www.metamatrix.com/cp and select the Interpretative Guide from the downloads tab.

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

<DL = less than detection limit