



[REDACTED]
[REDACTED]
[REDACTED]

SEX: Female
AGE: 57

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Toxic & Essential Elements; Hair

TOXIC METALS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE		
			68 th	95 th	
Aluminum (Al)	2.4	< 7.0			
Antimony (Sb)	< 0.01	< 0.050			
Arsenic (As)	0.053	< 0.060			
Barium (Ba)	1.2	< 2.0			
Beryllium (Be)	< 0.01	< 0.020			
Bismuth (Bi)	0.010	< 2.0			
Cadmium (Cd)	< 0.009	< 0.050			
Lead (Pb)	0.09	< 0.60			
Mercury (Hg)	1.5	< 0.80			
Platinum (Pt)	< 0.003	< 0.005			
Thallium (Tl)	< 0.001	< 0.002			
Thorium (Th)	< 0.001	< 0.002			
Uranium (U)	0.46	< 0.060			
Nickel (Ni)	0.07	< 0.30			
Silver (Ag)	0.07	< 0.15			
Tin (Sn)	0.06	< 0.30			
Titanium (Ti)	0.27	< 0.70			
Total Toxic Representation					

ESSENTIAL AND OTHER ELEMENTS							
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium (Ca)	901	300- 1200					
Magnesium (Mg)	110	35- 120					
Sodium (Na)	64	20- 250					
Potassium (K)	11	8- 75					
Copper (Cu)	15	11- 37					
Zinc (Zn)	180	140- 220					
Manganese (Mn)	0.08	0.08- 0.60					
Chromium (Cr)	0.39	0.40- 0.65					
Vanadium (V)	0.088	0.018- 0.065					
Molybdenum (Mo)	0.028	0.020- 0.050					
Boron (B)	0.65	0.25- 1.5					
Iodine (I)	0.50	0.25- 1.8					
Lithium (Li)	0.034	0.007- 0.020					
Phosphorus (P)	155	150- 220					
Selenium (Se)	0.77	0.55- 1.1					
Strontium (Sr)	6.6	0.50- 7.6					
Sulfur (S)	46400	44000- 50000					
Cobalt (Co)	0.009	0.005- 0.040					
Iron (Fe)	7.6	7.0- 16					
Germanium (Ge)	0.033	0.030- 0.040					
Rubidium (Rb)	0.011	0.007- 0.096					
Zirconium (Zr)	0.015	0.020- 0.42					

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 6/1/2012	Sample Size: 0.197 g	Ca/Mg	8.19	4- 30
Date Received: 6/4/2012	Sample Type: Head	Ca/P	5.81	1- 12
Date Completed: 6/6/2012	Hair Color: Brown	Na/K	5.82	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	12	4- 20
	Shampoo: Natural	Zn/Cd	> 999	> 800



SEX: Female
AGE: 57

3200 E. ...
Scottsdale, AZ 85260 USA

NMD

Toxic Metals; Urine

TOXIC METALS					
		RESULT µg/g creat	REFERENCE INTERVAL	WITHIN REFERENCE	OUTSIDE REFERENCE
Aluminum	(Al)	4.6	< 35		
Antimony	(Sb)	0.4	< 0.4		
Arsenic	(As)	39	< 117		
Barium	(Ba)	0.4	< 7		
Beryllium	(Be)	< dl	< 1		
Bismuth	(Bi)	< dl	< 15		
Cadmium	(Cd)	1.5	< 1		
Cesium	(Cs)	6.4	< 10		
Gadolinium	(Gd)	< dl	< 0.4		
Lead	(Pb)	29	< 2		
Mercury	(Hg)	7.7	< 4		
Nickel	(Ni)	2.7	< 12		
Palladium	(Pd)	< dl	< 0.3		
Platinum	(Pt)	< dl	< 1		
Tellurium	(Te)	< dl	< 0.8		
Thallium	(Tl)	< dl	< 0.5		
Thorium	(Th)	< dl	< 0.03		
Tin	(Sn)	1.7	< 10		
Tungsten	(W)	< dl	< 0.4		
Uranium	(U)	< dl	< 0.04		

URINE CREATININE							
	RESULT mg/dL	REFERENCE INTERVAL	-2SD	-1SD	MEAN	+1SD	+2SD
Creatinine	15.8	35 - 225					

SPECIMEN DATA

Comments:

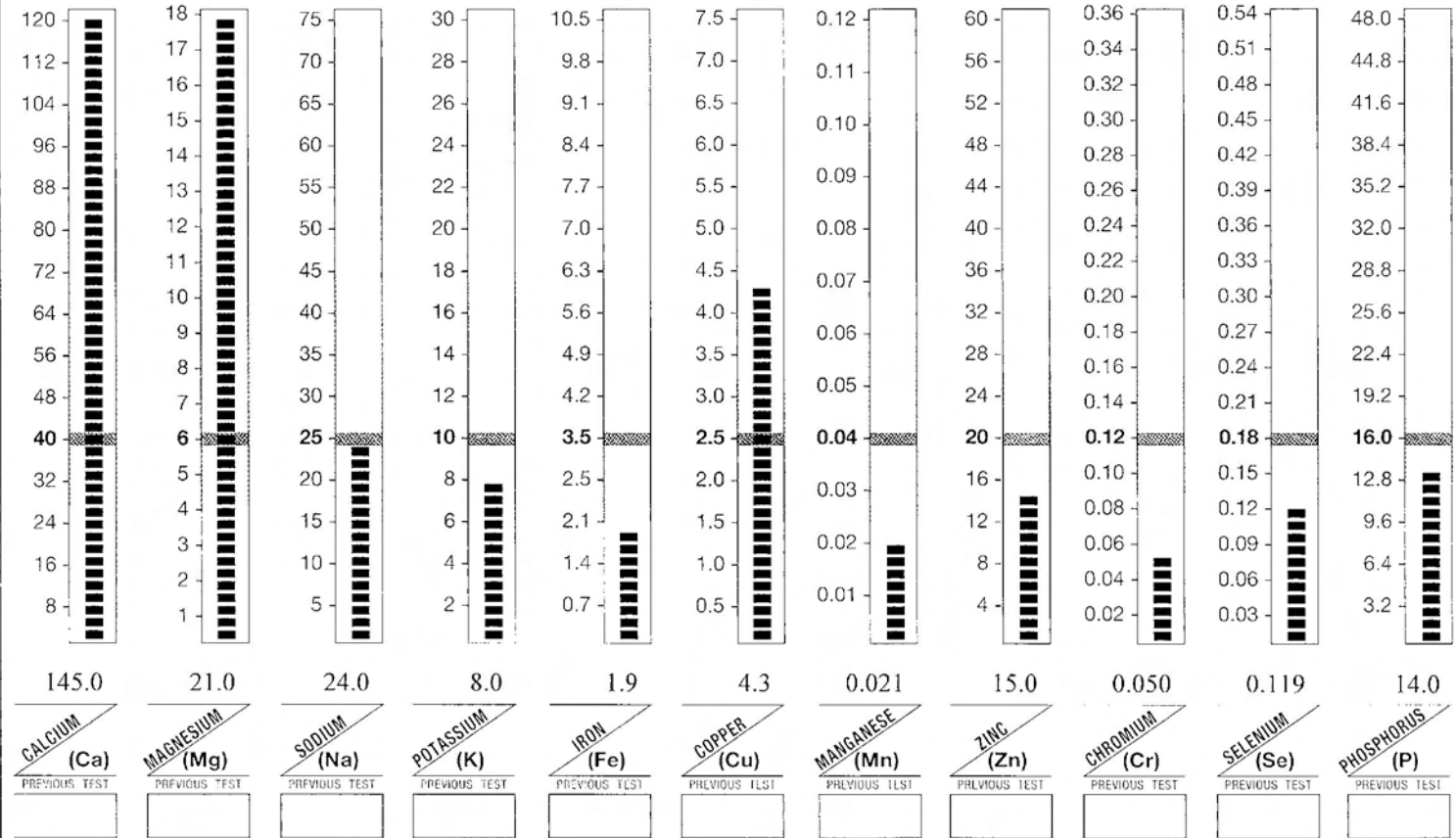
Date Collected: 4/13/2012 pH upon receipt: Acceptable Collection Period: Random
 Date Received: 4/19/2012 <dl: less than detection limit Volume:
 Date Completed: 4/21/2012 Provoking Agent: DMPS Provocation: POST PROVOCATIVE
 Method: ICP-MS Creatinine by Jaffe Method

Results are creatinine corrected to account for urine dilution variations. Reference intervals and corresponding graphs are representative of a healthy population under non-provoked conditions. Chelation (provocation) agents can increase urinary excretion of metals/elements.

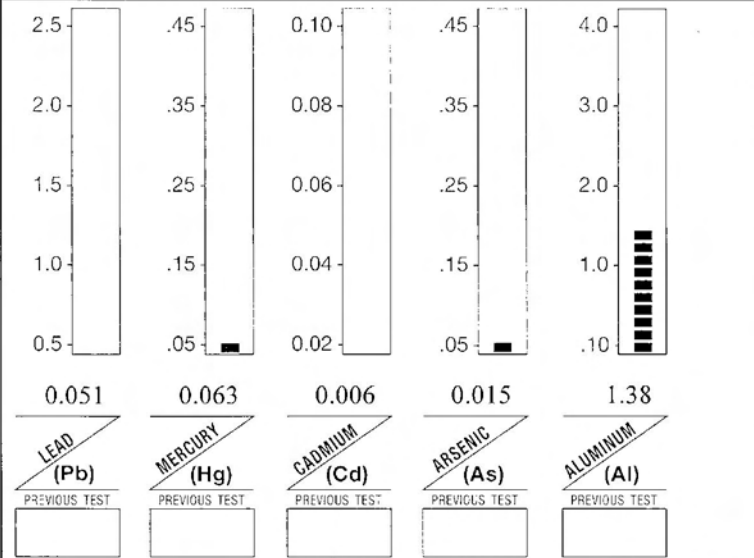
V13

PATIENT NAME: S
 SEX: F AGE: 52 DATE: 3/23/07 LAB NO. 394415 CLIENT ACCT. NO. 92220

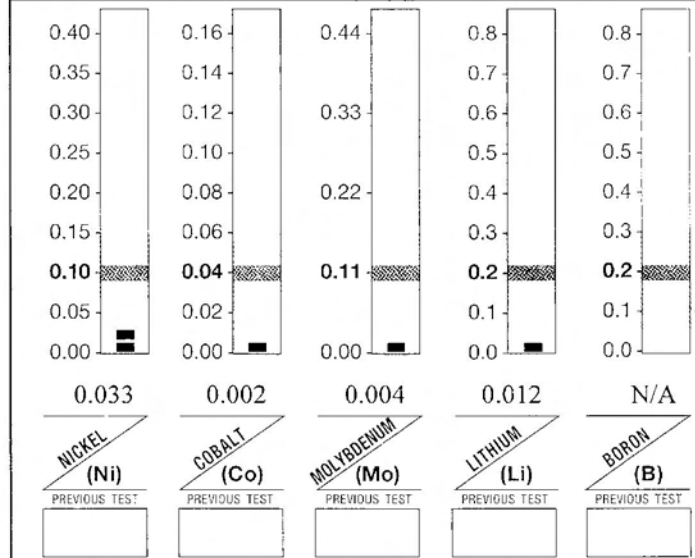
NUTRIENT MINERALS



TOXIC METALS



ADDITIONAL MINERALS



SIGNIFICANT MINERAL RATIOS

MINERAL RATIO	IDEAL RATIO	CURRENT RATIO	% OF IDEAL	PREVIOUS RATIO	LOW	IDEAL	HIGH
CA/MG	6.67	6.90	103		○○○○○○○○○○○○○○○○○○○○		
CA/K	4.00	18.13	453		○○○○○○○○○○○○○○○○○○○○		
NA/MG	4.17	1.14	27		○○○○○		
NA/K	2.50	3.00	120		○○○○○○○○○○○○○○○○○○○		
ZN/CU	8.00	3.49	44		○○○○○○○○○		
CA/P	2.50	10.36	414		○○○○○○○○○○○○○○○○○○○		

MIXED OXIDIZER FAST OXIDIZER SLOW OXIDIZER ***



SEX: Female
AGE: 57

9200 E Raintree Dr 100
Scottsdale, AZ 85260 USA

NMD

Toxic Metals; Urine

TOXIC METALS					
		RESULT µg/g creat	REFERENCE INTERVAL	WITHIN REFERENCE	OUTSIDE REFERENCE
Aluminum	(Al)	4.6	< 35		
Antimony	(Sb)	0.4	< 0.4		
Arsenic	(As)	39	< 117		
Barium	(Ba)	0.4	< 7		
Beryllium	(Be)	< dl	< 1		
Bismuth	(Bi)	< dl	< 15		
Cadmium	(Cd)	1.5	< 1		
Cesium	(Cs)	6.4	< 10		
Gadolinium	(Gd)	< dl	< 0.4		
Lead	(Pb)	29	< 2		
Mercury	(Hg)	7.7	< 4		
Nickel	(Ni)	2.7	< 12		
Palladium	(Pd)	< dl	< 0.3		
Platinum	(Pt)	< dl	< 1		
Tellurium	(Te)	< dl	< 0.8		
Thallium	(Tl)	< dl	< 0.5		
Thorium	(Th)	< dl	< 0.03		
Tin	(Sn)	1.7	< 10		
Tungsten	(W)	< dl	< 0.4		
Uranium	(U)	< dl	< 0.04		

URINE CREATININE							
	RESULT mg/dL	REFERENCE INTERVAL	-2SD	-1SD	MEAN	+1SD	+2SD
Creatinine	15.8	35- 225					

SPECIMEN DATA			
Comments:			
Date Collected: 4/13/2012	pH upon receipt: Acceptable	Collection Period: Random	
Date Received: 4/19/2012	<dl: less than detection limit	Volume:	
Date Completed: 4/21/2012	Provoking Agent: DMPS	Provocation: POST PROVOCATIVE	
Method: ICP-MS	Creatinine by Jaffe Method		
Results are creatinine corrected to account for urine dilution variations. Reference intervals and corresponding graphs are representative of a healthy population under non-provoked conditions. Chelation (provocation) agents can increase urinary excretion of metals/elements.			
V13			

Health history for hair test 620

1) What are your current symptoms and health history?

Thyroid and adrenal issues, my biggest worry now is that I have no appetite and have developed insulin resistance despite not being over weight, low to normal blood pressure, normal cholesterol. I eat very healthy-no sugar. I exercise, but I am tired and have become somewhat anti-social the past 5 or so years. I don't feel depressed, but I just don't have the zeal I use to have...

Up until age 50, I've been relatively healthy, then thyroid problems. As a little girl, I had many learning disabilities-dyslexia-very shy-cubby. I remember my mother being worried that I had thyroid problems. I've always had to struggle and work hard at learning... spelling is still very difficult for me.

2) Dental history (wisdom teeth removed? First root canal placed? Braces?

First amalgam etc...)

I was born with terrible crooked teeth. Many childhood cavities; a mouth full of mercury. Childhood dentist eventually committed suicide. Had three years of braces when I was a teenager. Wisdom teeth were removed in my 20s. My teeth have always seemed thin and are transparent looking.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

Over the past 10-15 years I've had all the mercury in my teeth removed (using not a biological dentist-BAD-they would tell that they are careful!). I have roughly 9 or so crowns now and one root canal. The root canal is probably 15 years old now. I'm not sure if some of the crowns have metal in them or not.

4) What dentistry did your mother have at any time before or during pregnancy?

I do not know...

5) What vaccinations have you had and when (including flu and especially travel shots)?

Only childhood vaccinations (I don't remember how many). No flu or otherwise vaccinations for the vast majority of my life.

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.

For the hair test five years ago, I was taking Naturethroid 90mgs and basic supplements.

7) Other information you feel may be relevant?

My mother is 88 and still living in relatively good health. My father die of pancreatic cancer 20 years ago. My younger brother (by three years) had perfect straight teeth and only one cavity to this day.

8) What is your location - city & country (so that we can learn where certain toxins are more prevalent).

I am currently living in Phoenix, AZ (have been for 30 years). I grew up in Troy, MI (near Detroit).