



LAB #: H120416-2332-1

Toxic & Essential Elements; Hair

TOXIC METALS

		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
				68 th	95 th
Aluminum	(Al)	4.2	< 7.0		
Antimony	(Sb)	0.021	< 0.050		
Arsenic	(As)	0.037	< 0.060		
Barium	(Ba)	0.45	< 2.0		
Beryllium	(Be)	< 0.01	< 0.020		
Bismuth	(Bi)	0.21	< 2.0		
Cadmium	(Cd)	0.021	< 0.050		
Lead	(Pb)	0.19	< 0.60		
Mercury	(Hg)	0.96	< 0.80		
Platinum	(Pt)	< 0.003	< 0.005		
Thallium	(Tl)	< 0.001	< 0.002		
Thorium	(Th)	< 0.001	< 0.002		
Uranium	(U)	0.034	< 0.060		
Nickel	(Ni)	0.05	< 0.30		
Silver	(Ag)	6.6	< 0.15		
Tin	(Sn)	0.13	< 0.30		
Titanium	(Ti)	0.32	< 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)	421	300 - 1200					
Magnesium	(Mg)	120	35 - 120					
Sodium	(Na)	21	20 - 250					
Potassium	(K)	9	8 - 75					
Copper	(Cu)	14	11 - 37					
Zinc	(Zn)	230	140 - 220					
Manganese	(Mn)	0.15	0.08 - 0.60					
Chromium	(Cr)	0.41	0.40 - 0.65					
Vanadium	(V)	0.030	0.018 - 0.065					
Molybdenum	(Mo)	0.031	0.020 - 0.050					
Boron	(B)	0.92	0.25 - 1.5					
Iodine	(I)	5.6	0.25 - 1.8					
Lithium	(Li)	< 0.004	0.007 - 0.020					
Phosphorus	(P)	158	150 - 220					
Selenium	(Se)	0.67	0.55 - 1.1					
Strontium	(Sr)	11	0.50 - 7.6					
Sulfur	(S)	47400	44000 - 50000					
Cobalt	(Co)	0.005	0.005 - 0.040					
Iron	(Fe)	4.8	7.0 - 16					
Germanium	(Ge)	0.031	0.030 - 0.040					
Rubidium	(Rb)	0.011	0.007 - 0.096					
Zirconium	(Zr)	0.098	0.020 - 0.42					

SPECIMEN DATA

COMMENTS:

Date Collected: 4/2/2012
 Date Received: 4/16/2012
 Date Completed: 4/21/2012
 Methodology: ICP/MS

Sample Size: 0.132 g
 Sample Type: Head
 Hair Color: Black
 Treatment:
 Shampoo: Aubrey

RATIOS

ELEMENTS	RATIOS	RANGE
Ca/Mg	3.51	4 - 30
Ca/P	2.66	1 - 12
Na/K	2.33	0.5 - 10
Zn/Cu	16.4	4 - 20
Zn/Cd	> 999	> 800

Health history for hair test 730

1) What are your current symptoms and health history?

Late Lyme disease (8 years since diagnosis), chronic fatigue, adrenal fatigue, hypothyroidism, amalgam illness. Problems with kidneys since last dental revision.

2) Dental history Wisdom teeth removed and when?

Removed one at age 18, the other three at age 20.

Two root canals done at approx age 22.

Braces as a teenager.

First amalgams placed as a child. I don't know what age.

Some of these replaced as adult.

3) What dental work do you currently have in place?

I have replaced all amalgams with high noble gold alloy that is biocompatible and non-toxic as far as metals can be.

I must replace one crown that does not fit properly and am suspicious about amalgam left in, even though it was supposed to be removed.

Also need one amalgam tattoo removed, two root canals either retreated or extracted, cavitations (two).

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

I have no idea but my guess is that any dental work was amalgam.

5) What vaccinations have you had?

I don't know all the dates. As a child I had all the regular vaccines, polio, MMR... I also had MMR as an adult (required for college entrance when I went in my 40's) and tetnus. NO FLU shots ever, no travel shots.

6) I do not have energy to list all my meds and doses but I was taking at the time of testing:

T3 compounded time release once per day

T4 Levothroid once per day

Hydrocortisone 5 mg twice per day

Clonazepam 1/4 mg as needed for sleep

Progesterone compounded

Testosterone compounded

Supps: Bcomplex, B12, E, C, Cod liver oil, Omega 3, can't recall what else at time of test sorry.

7) Age 54, height 5', weight 105.

8) other information - none

9) City, state, location - San Francisco, California, USA.