



<5 F H9 GH. %% \$''

SEX: Female

AGE: 46

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.6	< 12	
Antimony (Sb)	< 0.01	< 0.060	
Arsenic (As)	0.044	< 0.090	
Barium (Ba)	2.2	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.013	< 2.0	
Cadmium (Cd)	0.045	< 0.050	
Lead (Pb)	0.28	< 1.0	
Mercury (Hg)	0.46	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.032	< 0.060	
Nickel (Ni)	0.19	< 0.40	
Silver (Ag)	0.01	< 0.10	
Tin (Sn)	0.05	< 0.30	
Titanium (Ti)	1.1	< 1.3	
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)	1030	475- 1500			
Magnesium (Mg)	95	45- 180			
Sodium (Na)	290	80- 450			
Potassium (K)	260	28- 160			
Copper (Cu)	16	11- 30			
Zinc (Zn)	320	130- 200			
Manganese (Mn)	1.9	0.15- 0.65			
Chromium (Cr)	0.41	0.40- 0.65			
Vanadium (V)	0.016	0.018- 0.065			
Molybdenum (Mo)	0.036	0.040- 0.10			
Boron (B)	3.4	0.40- 4.0			
Iodine (I)	7.5	0.25- 1.8			
Lithium (Li)	0.004	0.008- 0.030			
Phosphorus (P)	566	250- 500			
Selenium (Se)	0.90	0.80- 1.3			
Strontium (Sr)	3.0	1.0- 8.0			
Sulfur (S)	43100	42000- 48000			
Cobalt (Co)	0.066	0.006- 0.035			
Iron (Fe)	7.9	7.0- 16			
Germanium (Ge)	0.028	0.030- 0.040			
Rubidium (Rb)	0.23	0.030- 0.25			
Zirconium (Zr)	0.047	0.040- 1.0			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 09/17/2015	Sample Size: 0.173 g	Ca/Mg	10.8	4- 30
Date Received: 09/24/2015	Sample Type: Pubic	Ca/P	1.82	1- 12
Date Completed: 09/26/2015	Hair Color: Brown	Na/K	1.12	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	20	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Hair test 1030

What are your current symptoms and health history? - shoulder pains, one time episode of seizure

Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) - first amalgams at age 12. Total 12 amalgams; 4 removed unsafely in 2004 and all other 'safely' two years ago, root canal placed at age 15

What dental work do you currently have in place? What part of the dental clean-up have you completed? - only one root canal

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

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

Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? lots of liposomal C 2-3 weeks before hair test

What is your age, height and weight? 46, 179 cm, 170 pounds

Other information you feel may be relevant?

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