



SEX: Female  
AGE: 39

**Toxic & Essential Elements; Hair**

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 <sup>th</sup> 95 <sup>th</sup>
Aluminum (Al)	1.1	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.035	< 0.060	
Barium (Ba)	3.0	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.009	< 2.0	
Cadmium (Cd)	< 0.009	< 0.050	
Lead (Pb)	0.13	< 0.60	
Mercury (Hg)	0.73	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.087	< 0.060	
Nickel (Ni)	0.18	< 0.30	
Silver (Ag)	0.01	< 0.15	
Tin (Sn)	1.6	< 0.30	
Titanium (Ti)	0.30	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 <sup>th</sup> 16 <sup>th</sup> 50 <sup>th</sup> 84 <sup>th</sup> 97.5 <sup>th</sup>
Calcium (Ca)	1740	300- 1200	
Magnesium (Mg)	130	35- 120	
Sodium (Na)	47	20- 250	
Potassium (K)	6	8- 75	
Copper (Cu)	24	11- 37	
Zinc (Zn)	200	140- 220	
Manganese (Mn)	0.12	0.08- 0.60	
Chromium (Cr)	0.32	0.40- 0.65	
Vanadium (V)	0.079	0.018- 0.065	
Molybdenum (Mo)	0.073	0.020- 0.050	
Boron (B)	0.72	0.25- 1.5	
Iodine (I)	0.71	0.25- 1.8	
Lithium (Li)	0.010	0.007- 0.020	
Phosphorus (P)	169	150- 220	
Selenium (Se)	0.74	0.55- 1.1	
Strontium (Sr)	9.4	0.50- 7.6	
Sulfur (S)	50500	44000- 50000	
Cobalt (Co)	0.014	0.005- 0.040	
Iron (Fe)	7.8	7.0- 16	
Germanium (Ge)	0.042	0.030- 0.040	
Rubidium (Rb)	0.004	0.007- 0.096	
Zirconium (Zr)	0.038	0.020- 0.42	

SPECIMEN DATA		RATIOS	
<b>COMMENTS:</b>		ELEMENTS	RATIOS
Date Collected: 12/23/2014	Sample Size: 0.197 g	Ca/Mg	13.4
Date Received: 12/27/2014	Sample Type: Head	Ca/P	10.3
Date Completed: 01/02/2015	Hair Color: Brown	Na/K	7.83
Methodology: ICP/MS	Treatment:	Zn/Cu	8.33
	Shampoo: Giovanni	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

## Health history for hair test 1038

### 1. What are your current symptoms and health history?

The main issue is that I've had severe bilateral knee and leg pain for 3.5 years (since May 2011) now to the point that I can't stand more than about 5 minutes and can't walk long either. I was using a cane for 2 yrs and am in constant pain! It came on suddenly...one day I was running in the treadmill and the next day I couldn't stand. I've seen so many doctors with no answers. I have many other issues as well like.....very achy legs, cold legs from knees down, restless legs, bloated and painful stomach, constipation, very painful menstrual cramps, back pain, neck pain and restriction in turning, headaches, can't lose weight, heart palpitations, depression, forgetfulness, high inflammation, very dry skin and hair, sensitivity to bright light and loud sounds, very easily startled, exhausted, muscle weakness, white matter on frontal lobes of brain, bulging discs in L4,L5 and S1 area of back, had taste of metal in my mouth up until about 5 months ago.

### 2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)

-I came to CA to get treated by a holistic doctor and he found several major infections in my mouth. Tooth #13 was a root canal tooth that's been hurting for the last 2.5 years and was badly infected so it got removed and cleaned out in August 2014. This tooth originally had a crown put on it in March 2002 and then the root canal done in May 2012.

-I had a major cavitation in teeth areas #1&2 (those teeth were pulled in April 2009) there was black dead bone and green infection so that also got cleaned out in August 2014. When they temporarily numbed this area before the surgery to see if this could be where the leg pain was coming from ALL my pain completely disappeared but then after the surgery the pain did not disappear so they were very surprised.

-A few months after that in December 2014, I had another cavitation that was found in tooth #18 so that was removed and cleaned out. That was a tooth that had mercury filling replaced last year the wrong way in Nov 2013.

-Also in Dec 2014 they found infection in both bottom wisdom teeth areas #17&32. The wisdom teeth were removed in June 2014.

- Also in Dec 2014 I had 3 amalgam fillings removed at the same time. Teeth #19, 15, 30. They used a rubber dam, vitamin C IV, and oxygen tube but no mask on my nose to stop me from breathing any mercury vapor which I was so mad about.

-I also had 2 other amalgams replaced last year done the wrong way. One on tooth#14...original on March 2003 and replaced on June 2014 & tooth #31 original in Dec 2005 and replaced in Oct 2013.

3. What dental work do you currently have in place? What part of the dental clean-up have you completed?

- I have white composite fillings now and no amalgams left. No other crowns or anything left in mouth. Teeth #17, 18, 32 on the bottom and #1, 2, 13 on top are all pulled!

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

-she said she had a mouth full of amalgam fillings and root canals and crown.

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

- I've never had the flu shot but have had all the normal shots when I was younger. Not sure what they all are.

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

- Vitamin C (4,000mg a day)
- Vitamin D3 (10,000 IUs a day)
- Probiotic every morning
- Digestive Enzymes (2 at each meal)
- Iodine (2 drops a day)
- greens powder

7. What is your age, height and weight?

-I'm 39 years old / weigh 130 pounds / 5'3" tall

8. Other information you feel may be relevant?

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

- Rochester, NY