

HAIR ELEMENTS



PATIENT: Number 464
 SEX: Female
 AGE: 41
 LOCATION: Petaluma, California, USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	0.4	< 7.0	█	
Antimony	< 0.01	< 0.050		
Arsenic	0.050	< 0.060	██████████	
Barium	0.90	< 2.0	██████████	
Beryllium	< 0.01	< 0.020		
Bismuth	0.010	< 2.0	●	
Cadmium	< 0.009	< 0.050		
Lead	0.04	< 0.60	█	
Mercury	0.34	< 0.80	██████████	
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.005	< 0.060	█	
Nickel	0.06	< 0.30	██████	
Silver	0.01	< 0.15	█	
Tin	0.03	< 0.30	█	
Titanium	0.24	< 0.70	██████	
Total Toxic Representation			██████████	

ESSENTIAL AND OTHER ELEMENTS						
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE			97.5 th
			2.5 th	16 th	50 th	
Calcium	319	300- 1200		██████████		
Magnesium	47	35- 120		██████████		
Sodium	50	20- 250		██████████		
Potassium	11	8- 75		██████████		
Copper	8.1	11- 37	██████████	██████████		
Zinc	170	140- 220		██████████		
Manganese	0.06	0.08- 0.60		██████████		
Chromium	0.41	0.40- 0.65		██████████		
Vanadium	0.039	0.018- 0.065		██████████		
Molybdenum	0.076	0.020- 0.050		██████████		
Boron	0.63	0.25- 1.5		█		
Iodine	1.5	0.25- 1.8		██████████		
Lithium	< 0.004	0.007- 0.020	██████████	██████████		
Phosphorus	139	150- 220		██████████		
Selenium	1.0	0.55- 1.1		██████████		
Strontium	1.7	0.50- 7.6		██████████		
Sulfur	47600	44000- 50000		██████████		
Cobalt	0.002	0.005- 0.040	██████████	██████████		
Iron	6.8	7.0- 16		██████████		
Germanium	0.028	0.030- 0.040		██████████		
Rubidium	0.019	0.007- 0.096		██████████		
Zirconium	0.012	0.020- 0.42		██████████		

SPECIMEN DATA			RATIOS		
COMMENTS:			ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 3/12/2011	Sample Size: 0.204 g		Ca/Mg	6.79	4- 30
Date Received: 3/17/2011	Sample Type: Head		Ca/P	2.29	1- 12
Date Completed: 3/21/2011	Hair Color:		Na/K	4.55	0.5- 10
	Treatment:		Zn/Cu	21	4- 20
Methodology: ICP-MS	Shampoo:		Zn/Cd	> 999	> 800

V10.08

The Great Plains Laboratory, Inc. • 11813 W. 77 Street, Lenexa KS, 66214 • Tel: 913.341.8949 • Fax: 913.341.6207

Analyzed by ©DOCTOR'S DATA, INC. • ADDRESS: 3755 Illinois Avenue, St. Charles, IL 60174-2420 • CLIA ID NO: 14D0646470 • MEDICARE PROVIDER NO: 148453

233205

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.5	< 12	
Antimony (Sb)	0.018	< 0.060	
Arsenic (As)	0.011	< 0.090	
Barium (Ba)	0.74	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.028	< 2.0	
Cadmium (Cd)	0.012	< 0.050	
Lead (Pb)	0.18	< 1.0	
Mercury (Hg)	0.13	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.007	< 0.060	
Nickel (Ni)	0.15	< 0.40	
Silver (Ag)	0.05	< 0.10	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.26	< 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)	476	475- 1500	
Magnesium (Mg)	210	45- 180	
Sodium (Na)	90	80- 450	
Potassium (K)	25	28- 160	
Copper (Cu)	9.1	11- 30	
Zinc (Zn)	190	130- 200	
Manganese (Mn)	0.12	0.15- 0.65	
Chromium (Cr)	0.33	0.40- 0.65	
Vanadium (V)	0.031	0.018- 0.065	
Molybdenum (Mo)	0.071	0.040- 0.10	
Boron (B)	0.66	0.40- 4.0	
Iodine (I)	0.85	0.25- 1.8	
Lithium (Li)	< 0.004	0.008- 0.030	
Phosphorus (P)	175	250- 500	
Selenium (Se)	0.79	0.80- 1.3	
Strontium (Sr)	1.3	1.0- 8.0	
Sulfur (S)	48000	42000- 48000	
Cobalt (Co)	0.012	0.006- 0.035	
Iron (Fe)	7.4	7.0- 16	
Germanium (Ge)	0.025	0.030- 0.040	
Rubidium (Rb)	0.026	0.030- 0.25	
Zirconium (Zr)	0.056	0.040- 1.0	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 10/2/2012	Sample Size: 0.12 g	Ca/Mg	2.27	4- 30
Date Received: 10/4/2012	Sample Type: Pubic	Ca/P	2.72	1- 12
Date Completed: 10/6/2012	Hair Color:	Na/K	3.6	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	20.9	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 464

1. What are your current symptoms and health history?

"Sickly" my entire life. Ear infections as a child. My mother smoked while I was in the womb and for the first 20 years of my life. Recent/current symptoms - extreme digestive issues, immune issues, neurological issues. Emotional issues and adrenal issues are clearing up. I had SEVERE sulfur issues, virtually no sulfate, and major digestive issues. Sulfur issue is somewhat better, phenol issue is gone. My biggest concern at the moment is inflammation. Lupus and RA are growing. Lyme is inconclusive. Getting hives/itchy with many things now (new symptom).

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

Wisdom teeth removed as a teenager, extraction 2 years ago, braces 2 years ago. No amalgams, ever.

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

N/A

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

She had some amalgams.

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

Vaccinations as a child. Eight years ago 8 vaccine injections. Chicken pox, Hep A, Hep B, flu.

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

Too many to list.

7. What is your age, height and weight?

41, 5'9" 128 pounds

8. Other information you feel may be relevant?

I've been chelating for 11 months with Dr. Cutler's protocol. ALA only. 3.5 days on 3.5 days off. 45 rounds, 176 days as of this writing. Began at 15 mg and am currently at 50 mg.

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

Petaluma, California, USA