

HAIR ELEMENTS



Husband of 934

SEX: Male

AGE: 47

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.9	< 7.0	-----	-----
Antimony	0.017	< 0.066	-----	-----
Arsenic	0.20	< 0.080	-----	-----
Beryllium	< 0.01	< 0.020	-----	-----
Bismuth	0.010	< 0.060	-----	-----
Cadmium	0.11	< 0.15	-----	-----
Lead	0.09	< 2.0	-----	-----
Mercury	0.34	< 1.1	-----	-----
Platinum	< 0.003	< 0.005	-----	-----
Thallium	< 0.001	< 0.010	-----	-----
Thorium	< 0.001	< 0.005	-----	-----
Uranium	0.017	< 0.060	-----	-----
Nickel	0.04	< 0.40	-----	-----
Silver	0.01	< 0.12	-----	-----
Tin	0.08	< 0.30	-----	-----
Titanium	0.35	< 1.0	-----	-----
Total Toxic Representation			-----	-----

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	337	200 - 750	-----	-----	-----	-----	-----
Magnesium	31	25 - 75	-----	-----	-----	-----	-----
Sodium	270	12 - 90	-----	-----	-----	-----	-----
Potassium	53	9 - 40	-----	-----	-----	-----	-----
Copper	10	10 - 28	-----	-----	-----	-----	-----
Zinc	200	130 - 200	-----	-----	-----	-----	-----
Manganese	0.15	0.15 - 0.65	-----	-----	-----	-----	-----
Chromium	0.20	0.20 - 0.40	-----	-----	-----	-----	-----
Vanadium	< 0.008	0.018 - 0.065	-----	-----	-----	-----	-----
Molybdenum	0.037	0.025 - 0.064	-----	-----	-----	-----	-----
Boron	0.84	0.40 - 3.0	-----	-----	-----	-----	-----
Iodine	0.25	0.25 - 1.3	-----	-----	-----	-----	-----
Lithium	0.021	0.007 - 0.023	-----	-----	-----	-----	-----
Phosphorus	229	160 - 250	-----	-----	-----	-----	-----
Selenium	0.87	0.95 - 1.7	-----	-----	-----	-----	-----
Strontium	0.79	0.30 - 3.5	-----	-----	-----	-----	-----
Sulfur	53400	44500 - 52000	-----	-----	-----	-----	-----
Barium	0.24	0.16 - 1.6	-----	-----	-----	-----	-----
Cobalt	0.039	0.013 - 0.035	-----	-----	-----	-----	-----
Iron	20	5.4 - 13	-----	-----	-----	-----	-----
Germanium	0.051	0.045 - 0.065	-----	-----	-----	-----	-----
Rubidium	0.038	0.011 - 0.12	-----	-----	-----	-----	-----
Zirconium	0.056	0.020 - 0.44	-----	-----	-----	-----	-----

SPECIMEN DATA

RATIOS

COMMENTS:			ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 6/8/2005	Sample Size: 0.201 g				
Date Received: 6/11/2005	Sample Type: Head		Ca/P	1.47	0.8 - 8
Date Completed: 6/16/2005	Hair Color: Brown		Na/K	5.09	0.5 - 10
Methodology: ICP-MS	Treatment:		Zn/Cu	20	4 - 20
	Shampoo: Shikai Goldjj Bal		Zn/Cd	> 999	> 800

What are your current symptoms and health history?

**Fatigue and joint pain. Family history of MS and Parkinson's

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

**Wisdom teeth extracted at age 25, 1 molar extraction at age 14, no root canals, no braces, first amalgam placed around age 10

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

**Have had several amalgams replaced and have four small ones still to be replaced.

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

5. What vaccinations have you had and when (including flu and especially travel shots)? **Had all standard vaccines for someone my age. At age 50 had flu and pneumonia vaccine and Ulcerative colitis flare for 1 and ½ years

6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? **Prior to hairtest was already taking a broad spectrum of vitamins, minerals and fatty acids.

7. What is your age, height and weight? **Age 61, 6ft. 2in, Wt. 195

8. Other information you feel may be relevant?

**Considering chelation because strong family history of MS and Parkinson's

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

**Akron, OH USA