

HAIR ELEMENTS



LAB#: H081117-0117-1
 PATIENT: [REDACTED]
 SEX: Male
 AGE: 46

CLIENT#: [REDACTED]
 DOCTOR: Anna Davis, MD
 Direct Laboratory Services
 4040 Florida St Ste 202
 Mandeville, LA 70448

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	1.8	< 7.0	██████████	██████████
Antimony	0.016	< 0.066	██████████	██████████
Arsenic	0.097	< 0.080	██████████	██████████
Beryllium	< 0.01	< 0.020	██████████	██████████
Bismuth	0.009	< 2.0	██████████	██████████
Cadmium	0.057	< 0.15	██████████	██████████
Lead	0.21	< 2.0	██████████	██████████
Mercury	0.95	< 1.1	██████████	██████████
Platinum	< 0.003	< 0.005	██████████	██████████
Thallium	< 0.001	< 0.010	██████████	██████████
Thorium	< 0.001	< 0.005	██████████	██████████
Uranium	0.007	< 0.060	██████████	██████████
Nickel	0.09	< 0.40	██████████	██████████
Silver	< 0.006	< 0.12	██████████	██████████
Tin	0.09	< 0.30	██████████	██████████
Titanium	0.39	< 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	770	200 - 750	██████████	██████████	██████████	██████████	██████████
Magnesium	62	25 - 75	██████████	██████████	██████████	██████████	██████████
Sodium	81	12 - 90	██████████	██████████	██████████	██████████	██████████
Potassium	17	9 - 40	██████████	██████████	██████████	██████████	██████████
Copper	14	10 - 28	██████████	██████████	██████████	██████████	██████████
Zinc	220	130 - 200	██████████	██████████	██████████	██████████	██████████
Manganese	0.32	0.15 - 0.65	██████████	██████████	██████████	██████████	██████████
Chromium	0.50	0.20 - 0.40	██████████	██████████	██████████	██████████	██████████
Vanadium	0.030	0.018 - 0.065	██████████	██████████	██████████	██████████	██████████
Molybdenum	0.024	0.025 - 0.064	██████████	██████████	██████████	██████████	██████████
Boron	0.23	0.10 - 3.0	██████████	██████████	██████████	██████████	██████████
Iodine	0.56	0.25 - 1.3	██████████	██████████	██████████	██████████	██████████
Lithium	0.004	0.007 - 0.021	██████████	██████████	██████████	██████████	██████████
Phosphorus	188	160 - 250	██████████	██████████	██████████	██████████	██████████
Selenium	1.4	0.95 - 1.7	██████████	██████████	██████████	██████████	██████████
Strontium	0.31	0.30 - 3.5	██████████	██████████	██████████	██████████	██████████
Sulfur	48700	44500 - 52000	██████████	██████████	██████████	██████████	██████████
Barium	0.30	0.16 - 1.6	██████████	██████████	██████████	██████████	██████████
Cobalt	0.006	0.013 - 0.035	██████████	██████████	██████████	██████████	██████████
Iron	15	5.4 - 13	██████████	██████████	██████████	██████████	██████████
Germanium	0.037	0.045 - 0.065	██████████	██████████	██████████	██████████	██████████
Rubidium	0.010	0.011 - 0.12	██████████	██████████	██████████	██████████	██████████
Zirconium	0.059	0.020 - 0.44	██████████	██████████	██████████	██████████	██████████

SPECIMEN DATA

COMMENTS:

Date Collected: 11/12/2008
 Date Received: 11/17/2008
 Date Completed: 11/19/2008

Sample Size: 0.204 g
 Sample Type: Head
 Hair Color:
 Treatment:
 Shampoo: Varied

V06.99

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	12.4	4 - 30
Ca/F	4.1	0.8 - 8
Na/K	4.75	0.5 - 10
Zn/Ca	15.7	4 - 20
Zn/Cr	> 999	> 800

Health History 221

- 1) **What are your current symptoms and health history?** Episodes of sudden Ventricular Tachycardia, low body weight, chronic fatigue- especially in morning, up several times during night to urinate, inflamed headaches that become more and more severe and only subside after fasting for at least 2 days, IBS- restricted diet to light foods such as fruits or risk fatigue and headaches. mental fog, difficulty concentrating
- 2) **Dental history**, 2a amalgams in baby teeth. 8 amalgam fillings placed at age of 19-20. No root canals. No crowns or caps. Still have wisdom teeth.
- 3) **What dental work do you currently have in place? 8 amalgams. What part of the dental cleanup have you completed?** None
- 4) **What dentistry did your mother have at any time before or during pregnancy?** Many amalgams
- 5) **What vaccinations have you had ?** Standard vaccines giving in the 60's and 70's and multiple tetanus boosters,
- 6) **Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.** One multi-vitamin daily, brewers yeast 1 gram daily, 325mg aspirin, 1 gram MSM daily up to 3 months prior.
- 7) **Other information you feel may be relevant?** played with mercury and lead as child, suffered two head injuries, one severe concussion and one stroke.
- 8) **What is your location - city & country .** Now living in rural north central Minnesota, USA