



LAB #: H\$\$\$\$\$!\$\$\$\$\$
 PATIENT: GUa d`YDUHjYbh
 ID: D5 H-9 BHIG-00041
 SEX: Female
 AGE: 51

CLIENT #: %& ()
 DOCTOR:
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 ' +)) '=]bc]g' 5 j Y"
 GH*7\ Uf`Ygz=@* \$%+(

Toxic Element Exposure Profile; Hair

TOXIC METALS				
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE	
			68 th	95 th
Arsenic (As)	0.021	< 0.14		
Lead (Pb)	0.38	< 3.0		
Mercury (Hg)	0.21	< 3.0		
Cadmium (Cd)	0.032	< 0.20		
Chromium (Cr)	0.52	< 0.85		
Beryllium (Be)	< 0.01	< 0.050		
Cobalt (Co)	0.010	< 0.15		
Nickel (Ni)	0.54	< 1.0		
Zinc (Zn)	170	< 300		
Copper (Cu)	160	< 70		
Thorium (Th)	< 0.001	< 0.005		
Thallium (Tl)	< 0.001	< 0.005		
Barium (Ba)	1.3	< 8.0		
Cesium (Cs)	< 0.002	< 0.010		
Manganese (Mn)	0.19	< 1.5		
Selenium (Se)	0.70	< 2.1		
Bismuth (Bi)	0.018	< 5.0		
Vanadium (V)	0.049	< 0.20		
Silver (Ag)	0.86	< 1.6		
Antimony (Sb)	< 0.01	< 0.12		
Palladium (Pd)	0.011	< 0.015		
Aluminum (Al)	24	< 19		
Platinum (Pt)	< 0.003	< 0.010		
Tungsten (W)	< 0.001	< 0.015		
Tin (Sn)	0.38	< 1.0		
Uranium (U)	0.26	< 0.20		
Gold (Au)	0.082	< 0.50		
Tellurium (Te)	< 0.05	< 0.050		
Germanium (Ge)	0.029	< 0.045		
Titanium (Ti)	0.70	< 2.0		
Gadolinium (Gd)	< 0.001	< 0.008		

SPECIMEN DATA

Comments: insufficient sample to recheck results

Date Collected: 10/26/2011

Method: ICP-MS

Sample Type: Head

Date Received: 12/1/2011

<dl: less than detection limit

Sample Size: 0.161 g

Date Completed: 12/3/2011

µg/g = ppm

Hair Color: Brown

Treatment:

Metals are listed in descending priority order based upon data from the Agency for Toxic Substances and Disease Registry which considers not only the relative toxicity per gram metal, but also the frequency for occurrence of exposure.

Shampoo: V05