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Ordering Physician:
Robert David, PhD
3425 Corporate Way
Duluth, GA 30096

Accession #: **A1109190214**
Reference #:
Patient: **Jane Doe**
Date of Birth: 11/10/1979
Age: 31
Sex: Female
E-Mail: skelly@metamatrix.com
Reprinted: 11/02/2011
Comment:

Date Collected: 09/18/2011
Date Received: 09/19/2011
Date of Report: 09/22/2011
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0058 Nutrient & Toxic Elements - 24 Hour Urine

Methodology: Gas Chromatography/Mass Spectrometry

Additional chemical elements are now reported, and ranges are updated according to improved analytical methods.

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Toxic Elements

1. Aluminum	<DL		<= 19.8
2. Arsenic	4		<= 156
3. Cadmium	0.37		<= 0.75
4. Lead	<DL		<= 1.19
5. Mercury	1.8		<= 1.94
6. Thallium	0.16		<= 0.61

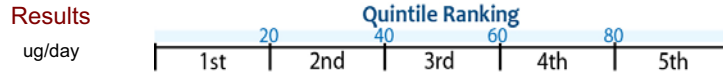
Potentially Toxic and Rare Earth Elements

7. Antimony	<DL		<= 0.26
8. Barium	1		<= 9.0
9. Bismuth	<DL		<= 0.69
10. Cerium*	0.02		<= 0.14
11. Cesium	<DL		<= 13.4
12. Europium*	<DL		<= 0.008
13. Holmium*	<DL		<= 0.008
14. Indium	0.007		<= 0.020
15. Niobium	<DL		<= 0.050
16. Palladium	<DL		<= 0.47
17. Platinum	<DL		<= 2.7

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Chelating Agent: None



Non-Chelated
95% Reference
Range

Potentially Toxic and Rare Earth Elements

Element	Result	Quintile Ranking	Reference Range
18. Rubidium	<DL	1st	<= 3.47
19. Samarium*	<DL	1st	<= 0.03
20. Tantalum	<DL	1st	<= 0.18
21. Tellurium	<DL	1st	<= 0.82
22. Terbium*	<DL	1st	<= 0.01
23. Thorium	<DL	1st	<= 0.15
24. Thulium*	<DL	1st	<= 0.006
25. Tin	<DL	1st	<= 2.9
26. Tungsten	<DL	1st	<= 0.58
27. Uranium	<DL	1st	<= 0.031
28. Zirconium	<DL	1st	<= 1.40

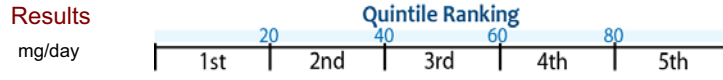
Nutrient Elements

Element	Result	Quintile Ranking	Reference Range
29. Calcium**	105	3rd	6-397
30. Chromium	<DL	1st	0.05-1.16
31. Cobalt	0.5	4th	0.07-2.02
32. Copper	5	1st	3-31
33. Magnesium**	43	1st	20-266
34. Manganese	11.94	5th	<= 2.02
35. Molybdenum	21	1st	6-210
36. Selenium	63	4th	4-191
37. Zinc	686	5th	35-1612

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Non-Chelated
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Range

Elements of Uncertain Human Requirement

Element	Results (mg/day)	Quintile Ranking	Non-Chelated 95% Reference Range
38. Boron**	0.9	2nd	0.1-7.0
39. Lithium	22	3rd	4-114
40. Nickel	3.9	4th	0.1-7.9
41. Strontium	62	1st	19-467
42. Vanadium	9.57 H	5th	<= 0.53

Volume = 1105 mL

<DL = less than detection limit

*Rare Earth Element

**Calcium, magnesium, and boron are reported in mg/day.