(Before)

SEX: Female
AGE: 61

Toxic Metals; Urine

TOXIC METALS		RESULT µg/g creat	REFERENCE INTERVAL	WITHIN REFERENCE / OUTSIDE REFERENCE
Aluminum	(Al)	**3.9**	< 35	
Antimony	(Sb)	**< dl**	< 0.2	
Arsenic	(As)	**10**	< 80	
Barium	(Ba)	**2.2**	< 7	
Beryllium	(Be)	**< dl**	< 1	
Bismuth	(Bi)	**< dl**	< 4	
Cadmium	(Cd)	**0.6**	< 1	
Cesium	(Cs)	**4.1**	< 10	
Gadolinium	(Gd)	**< dl**	< 0.8	
Lead	(Pb)	**0.3**	< 2	
Mercury	(Hg)	**2.3**	< 4	
Nickel	(Ni)	**6.2**	< 10	
Palladium	(Pd)	**< dl**	< 0.15	
Platinum	(Pt)	**< dl**	< 0.1	
Tellurium	(Te)	**< dl**	< 0.5	
Thallium	(Tl)	**0.6**	< 0.5	
Thorium	(Th)	**< dl**	< 0.03	
Tin	(Sn)	**0.4**	< 5	
Tungsten	(W)	**< dl**	< 0.4	
Uranium	(U)	**< dl**	< 0.04	

URINE CREATININE	RESULT mg/dL	REFERENCE INTERVAL	-2SD -1SD MEAN +1SD +2SD
Creatinine	**50.2**	40- 225	

SPECIMEN DATA

Comments:

Date Collected: **07/09/2014**
Date Received: **07/11/2014**
Date Completed: **07/12/2014**
Method: **ICP-MS**

pH upon receipt: **Acceptable**
<dl: **less than detection limit**
Provoking Agent:
Creatinine by

Collection Period: **Random**
Volume:
Provocation: **PRE PROVOCATIVE**

Results are creatinine corrected to account for urine dilution variations. **Reference intervals and corresponding graphs are representative of a healthy population under non-provoked conditions.** Chelation (provocation) agents can increase urinary excretion of metals/elements.

V13

(After)

SEX: Female
AGE: 61

Toxic Metals; Urine

TOXIC METALS		RESULT µg/g creat	REFERENCE INTERVAL	WITHIN REFERENCE | OUTSIDE REFERENCE
Aluminum	(Al)	**15**	< 35	
Antimony	(Sb)	**0.2**	< 0.2	
Arsenic	(As)	**10**	< 80	
Barium	(Ba)	**1.1**	< 7	
Beryllium	(Be)	**< dl**	< 1	
Bismuth	(Bi)	**< dl**	< 4	
Cadmium	(Cd)	**0.7**	< 1	
Cesium	(Cs)	**5**	< 10	
Gadolinium	(Gd)	**< dl**	< 0.8	
Lead	(Pb)	**19**	< 2	
Mercury	(Hg)	**1.7**	< 4	
Nickel	(Ni)	**3.2**	< 10	
Palladium	(Pd)	**< dl**	< 0.15	
Platinum	(Pt)	**< dl**	< 0.1	
Tellurium	(Te)	**< dl**	< 0.5	
Thallium	(Tl)	**1.3**	< 0.5	
Thorium	(Th)	**< dl**	< 0.03	
Tin	(Sn)	**1.2**	< 5	
Tungsten	(W)	**< dl**	< 0.4	
Uranium	(U)	**< dl**	< 0.04	

URINE CREATININE	RESULT mg/dL	REFERENCE INTERVAL	-2SD -1SD MEAN +1SD +2SD
Creatinine	**29.2**	40- 225	

SPECIMEN DATA

Comments:

Date Collected: **07/09/2014**
Date Received: **07/11/2014**
Date Completed: **07/14/2014**
Method: **ICP-MS**

pH upon receipt: **Acceptable**
<dl: **less than detection limit**
Provoking Agent:

Collection Period: **timed: 6 hours**
Volume:
Provocation: **POST PROVOCATIVE**

Results are creatinine corrected to account for urine dilution variations. **Reference intervals and corresponding graphs are representative of a healthy population under non-provoked conditions.** Chelation (provocation) agents can increase urinary excretion of metals/elements.

V13