



Procedure	Result	Units	Ref Interval	Accession	Collected	Received	Reported/Verified
Hours Collected	24	hr		18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Total Volume	1800	mL		18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Creatinine, Urine - per volume	75	mg/dL		18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Creatinine, Urine - per 24h	1350	mg/d	[1,000-2,500]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Cadmium, Urine - per volume	<b>3.0 H</b>	ug/L	[0.0-1.0]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Cadmium, Urine - per 24h	<b>5.4 H</b>	ug/d	[0.0-3.2]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Cadmium, Urine - ratio to CRT	<b>4.0 H</b>	ug/g CRT	[0.0-3.2]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Lead, Urine - per volume	<b>6.0 H</b>	ug/L	[0.0-5.0]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Lead, Urine - per 24h	<b>10.8 H</b>	ug/d	[0.0-8.1]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Lead, Urine - ratio to CRT	<b>8.0 H</b>	ug/g CRT	[0.0-5.0]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Mercury, Urine - per volume	<b>20.0 H</b>	ug/L	[0.0-5.0]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Mercury, Urine - per 24h	<b>36.0 H</b>	ug/d	[0.0-20.0]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Mercury, Urine - ratio to CRT	<b>26.7 H</b>	ug/g CRT	[0.0-20.0]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Arsenic Urine - per volume	<b>36.0 H</b>	ug/L	[0.0-34.9]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Arsenic Urine - per 24h	<b>64.8 H</b>	ug/d	[0.0-49.9]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Arsenic, Urine - ratio to CRT	<b>48.0 H</b>	ug/g CRT	[0.0-29.9]	18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Arsenic, Organic	10.0	ug/L		18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Arsenic, Inorganic	20.0	ug/L		18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18
Arsenic, Methylated	20.0	ug/L		18-255-900118	12-Sep-18	12-Sep-18	12-Sep-18

12-Sep-18 13:18:00 Cadmium, Urine - per volume:  
 INTERPRETATION INFORMATION: Cadmium, Urine

Urine cadmium levels can be used to assess cadmium body burden. In chronic exposures, the kidneys are the primary target organ. Symptoms associated with cadmium toxicity vary based upon route of exposure and may include tubular proteinuria, fever, headache, dyspnea, chest pain, conjunctivitis, rhinitis, sore throat and cough. Ingestion of cadmium in high concentration may cause vomiting, diarrhea, salivation, cramps, and abdominal pain.

See Compliance Statement B: aruplab.com/CS

12-Sep-18 13:18:00 Lead, Urine - per volume:  
 INTERPRETIVE INFORMATION: Lead, Urine

Quantification of urine excretion rates before or after chelation therapy has been used as an indicator of lead exposure. Urinary excretion of >125 mg of lead per 24 hours is usually associated with related evidence of lead toxicity.

\* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab

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See Compliance Statement B: aruplab.com/CS

12-Sep-18 13:18:00 Mercury, Urine - per volume:

INTERPRETIVE INFORMATION: Mercury, Urine

Urinary mercury levels predominantly reflect acute or chronic elemental or inorganic mercury exposure. Urine concentrations in unexposed individuals are typically less than 10 ug/L. 24 hour urine concentrations of 30 to 100 ug/L may be associated with subclinical neuropsychiatric symptoms and tremors. Concentrations greater than 100 ug/L can be associated with overt neuropsychiatric disturbances and tremors. Urine mercury levels may be useful in monitoring chelation therapy.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

12-Sep-18 13:18:00 Arsenic Urine - per volume:

INTERPRETIVE INFORMATION: Arsenic, Urine w/ Reflex to Fractionated

The ACGIH Biological Exposure Index (BEI) for arsenic in urine is 35 ug/L. The ACGIH BEI is based on the sum of inorganic and methylated species. For specimens with a total arsenic concentration of 35 to 2000 ug/L, fractionation is automatically performed to determine the proportions of inorganic, methylated and organic species. It may be appropriate to request fractionation for specimens with total arsenic greater than 30 ug/gCRT despite a total arsenic concentration less than 35 ug/L. If low-level chronic poisoning is suspected, the ug/gCRT ratio may be a more sensitive indicator of arsenic exposure than the total arsenic concentration.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

12-Sep-18 13:18:00 Arsenic, Methylated:

INTERPRETIVE INFORMATION: Arsenic, Fractionated Urine

The ACGIH Biological Exposure Index for the sum of inorganic and methylated species of arsenic is 35 ug/L. Inorganic species of arsenic are most toxic. Methylated species arise primarily from metabolism of inorganic species but may also come from dietary sources and are of moderate toxic potential. The organic species of arsenic are considered nontoxic and arise primarily from food. The sum of the inorganic, methylated, and organic species of arsenic may be lower than the total arsenic concentration due to the presence of unidentified organic species of arsenic.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS