U.S. EPA, Region 8 Laboratory

4/25/2012

Analytical Method Information

ICP-MS total metals -R8 in Water (200.8/6020)

Preservation: 01-Nitric Acid (HNO3) to pH<2

Container: 06_250mL Plastic pH <2 w/ HNO3

Amount Required: 100 ml

Hold Time: 180 days

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	Matrix Spike RPD	Blank Spike / LCS %R	Blank Spike / LCS RPD
Beryllium	0.0400	0.200 ug/L		20	80 - 120	20	85 - 115	
Aluminum	14.0	50.0 ug/L		20	80 - 120	20	85 - 115	
Vanadium	1.70	10.0 ug/L		20	80 - 120	20	85 - 115	
Chromium	0.700	5.00 ug/L		20	80 - 120	20	85 - 115	
Manganese	0.200	1.00 ug/L		20	80 - 120	20	85 - 115	
Cobalt	0.0100	0.100 ug/L		20	80 - 120	20	85 - 115	
Nickel	0.160	1.00 ug/L		20	80 - 120	20	85 - 115	
Copper	6.40	20.0 ug/L		20	80 - 120	20	85 - 115	
Zinc	0.700	5.00 ug/L		20	80 - 120	20	85 - 115	
Arsenic	0.440	4.00 ug/L		20	80 - 120	20	85 - 115	
Selenium	0.210	1.00 ug/L		20	80 - 120	20	85 - 115	
Molybdenum	0.0300	0.500 ug/L		20	80 - 120	20	85 - 115	
Silver	0.0300	0.500 ug/L		20	80 - 120	20	85 - 115	
Cadmium	0.0500	0.200 ug/L		20	80 - 120	20	85 - 115	
Antimony	0.100	1.00 ug/L		20	80 - 120	20	85 - 115	
Barium	0.0500	0.300 ug/L		20	80 - 120	20	85 - 115	
Thallium	0.0200	0.300 ug/L		20	80 - 120	20	85 - 115	
Lead	0.0500	1.00 ug/L		20	80 - 120	20	85 - 115	
Thorium	0.0200	0.300 ug/L		20	80 - 120	20	85 - 115	
Uranium	0.0700	0.200 ug/L		20	80 - 120	20	85 - 115	
6Lithium								
Gold								
Germanium								
Bismuth								
Holmium								
Indium								
Rhodium								
Scandium								
Terbium								
Yttrium								