U.S. EPA, Region 8 Laboratory

4/25/2012

Analytical Method Information

Analyte	MDL	Reporting Limit	Surrogate %R	Duplicate RPD	Matrix Spike %R	Matrix Spike RPD	Blank Spike / LCS %R	Blank Spike / LCS RPD
ICP Total Metals -R8 in Water (200.7/6010)								
Preservation: 01-Nitric Acid (HNO3) to pH<2								
Container: 06_250mL Plastic pH <2 w/ HNO3		**Amount Required:** 200ml					**Hold Time:** 180 days	
Silver	2.00	8.00 ug/L		20	80 - 120	20	85 - 115	
Aluminum	25.0	100 ug/L		20	80 - 120	20	85 - 115	
Arsenic	5.00	20.0 ug/L		20	80 - 120	20	85 - 115	
Barium	0.800	4.00 ug/L		20	80 - 120	20	85 - 115	
Boron	15.0	100 ug/L		20	80 - 120	20	85 - 115	
Beryllium	0.200	1.00 ug/L		20	80 - 120	20	85 - 115	
Calcium	10.0	100 ug/L		20	80 - 120	20	85 - 115	
Cadmium	0.200	1.00 ug/L		20	80 - 120	20	85 - 115	
Cobalt	0.300	2.00 ug/L		20	80 - 120	20	85 - 115	
Chromium	0.500	5.00 ug/L		20	80 - 120	20	85 - 115	
Copper	1.80	5.00 ug/L		20	80 - 120	20	85 - 115	
Iron	10.0	100 ug/L		20	80 - 120	20	85 - 115	
Potassium	170	1000 ug/L		20	80 - 120	20	85 - 115	
Lithium	11.0	50.0 ug/L		20	80 - 120	20	85 - 115	
Magnesium	26.0	100 ug/L		20	80 - 120	20	85 - 115	
Manganese	0.400	2.00 ug/L		20	80 - 120	20	85 - 115	
Molybdenum	1.40	5.00 ug/L		20	80 - 120	20	85 - 115	
Sodium	70.0	500 ug/L		20	80 - 120	20	85 - 115	
Nickel	0.700	4.00 ug/L		20	80 - 120	20	85 - 115	
Lead	3.00	10.0 ug/L		20	80 - 120	20	85 - 115	
Antimony	4.00	20.0 ug/L		20	80 - 120	20	85 - 115	
Selenium	5.00	20.0 ug/L		20	80 - 120	20	85 - 115	
Silica (SiO2)	50.0	200 ug/L		20	80 - 120	20	85 - 115	
Tin	50.0	200 ug/L		20	80 - 120	20	85 - 115	
Strontium	0.400	2.00 ug/L		20	80 - 120	20	85 - 115	
Titanium	1.80	10.0 ug/L		20	80 - 120	20	85 - 115	
Thallium	4.00	20.0 ug/L		20	80 - 120	20	85 - 115	
Vanadium	2.00	10.0 ug/L		20	80 - 120	20	85 - 115	
Zinc	15.0	50.0 ug/L		20	80 - 120	20	85 - 115	