AMTEST Laboratories

Inorganic Metals

Element		EPA Method	SW 846	Instrument Detection Limit (mg/L)	Price per Sample	
Inductively Coupled Plasma			Scan – Solids		$75.00	
			Scan – Waters		$60.00	
			Per Element		$10.00	
Silver	Ag	200.7	6010B	0.01		
Aluminum	Al	200.7	6010B	0.01		
Arsenic	As	200.7	6010B	0.01		
Boron	B	200.7	6010B	0.05		
Barium	Ba	200.7	6010B	0.0005		
Beryllium	Be	200.7	6010B	0.0005		
Calcium	Ca	200.7	6010B	0.05		
Cadmium	Cd	200.7	6010B	0.0005		
Cobalt	Co	200.7	6010B	0.001		
Chromium	Cr	200.7	6010B	0.001		
Copper	Cu	200.7	6010B	0.001		
Iron	Fe	200.7	6010B	0.005		
Mercury	Hg	200.7	6010B	0.01		
Potassium	K	200.7	6010B	0.1		
Lithium	Li	200.7	6010B	0.005		
Magnesium	Mg	200.7	6010B	0.05		
Manganese	Mn	200.7	6010B	0.0005		
Molybdenum	Mo	200.7	6010B	0.005		
Sodium	Na	200.7	6010B	0.05		
Nickel	Ni	200.7	6010B	0.005		
Phosphorus	P	200.7	6010B	0.01		
Lead	Pb	200.7	6010B	0.01		
Sulfur	S	200.7	6010B	0.05		
Antimony	Sb	200.7	6010B	0.01		
Selenium	Se	200.7	6010B	0.01		
Silicon	Si	200.7	6010B	0.05		
Tin	Sn	200.7	6010B	0.005		
Strontium	Sr	200.7	6010B	0.0005		
Titanium	Ti	200.7	6010B	0.001		

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Thallium	Tl	200.7	6010B	0.01		
Vanadium	V	200.7	6010B	0.005		
Yttrium	Y	200.7	6010B	0.0005		
Zinc	Zn	200.7	6010B	0.001		
Cold Vapor Atomic Absorption						
Mercury		245.1	7471A	0.0002	$25.00	
Mercury (low level)		245.1 modified		0.000010	$35.00	
Graphite Furnace Atomic Absorption						
Antimony		200.9	7041	0.001	$15.00	
Arsenic		200.9	7060A	0.001	$15.00	
Arsenic (low level)		200.9	7060M	0.000050	$25.00	
Beryllium		200.9	7091	0.0002	$15.00	
Cadmium		200.9	7131A	0.00005	$15.00	
Chromium		200.9	7191	0.0005	$15.00	
Lead		200.9	7421	0.001	$15.00	
Lead (low level)		200.9	7421M	0.00005	$25.00	
Nickel		200.9	7520	0.001	$15.00	
Selenium		200.9	7740	0.001	$15.00	
Silver		200.9	7760	0.0001	$15.00	
Thallium		200.9	7841	0.001	$15.00	
Lead						
Air Cassette					$20.00	
Bulk Paint					$30.00	
In paint					$30.00	
In air					$30.00	
Field Analysis					$60.00	per hour

If you have any questions, feel free to contact us.

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Our state of the art Metals Department uses the latest in instrument technology. Our ICP-MS can report detection limits in the ultra-trace level, and our Mercury Analyzer in our specialized clean room can detect Mercury down to the Parts Per Trillion (ppt) level. We also use ICP, FAA, and GFAA, which combined provides a high sample volume capability with excellent turn around times.

Cadmium	EPA 200.7	ug/l	1.0	5.0
Cadmium	EPA 200.8	ug/l	0.05	0.25
Cadmium	EPA 3113B	ug/l	0.1	0.5
Cadmium	EPA 6010B	ug/l	1.0	5.0
Cadmium	EPA 6020	ug/l	0.5	2.5
Cadmium	EPA 7131	ug/l	0.1	0.5
Calcium	EPA 200.8	mg/l	0.01	0.05
Calcium	EPA 6020	mg/l	0.01	0.05
Chromium	EPA 1638	ug/l	0.0467	0.1
Chromium	EPA 1638	ug/l	0.0467	0.1
Chromium	EPA 200.7	ug/l	1.0	5.0
Chromium	EPA 200.8	ug/l	0.1	0.5
Chromium	EPA 6010B	ug/l	1.0	5.0
Chromium	EPA 6020	ug/l	0.5	2.5
Chromium, Hexavalent	SM 3500-Cr	ug/l	2.0	5.0
Chromium, Trivalent	CALC	ug/l	2.0	10.0
Cobalt	EPA 200.8	ug/l	0.1	0.5
Cobalt	EPA 6010B	ug/l	1.0	5.0
Cobalt	EPA 6020	ug/l	0.5	2.5
Copper	EPA 1638	ug/l	0.0111	0.1
Copper	EPA 1638	ug/l	0.0111	0.1
Copper	EPA 200.7	ug/l	1.0	5.0
Copper	EPA 200.8	ug/l	0.1	0.5
Copper	EPA 6010B	ug/l	1.0	5.0
Copper	EPA 6020	ug/l	0.6	3.0
Ferrous Iron	HACH 8146	ug/l	20.0	50.0
Gold	EPA 6010B	ug/l	2.0	10.0
Iron	EPA 1638	ug/l	1.37	2.5
Iron	EPA 200.7	ug/l	25.0	100.0
Iron	EPA 200.8	ug/l	3.0	10.0
Iron	EPA 6010B	ug/l	25.0	100.0
Iron	EPA 6020	ug/l	3.0	10.0
Lead	EPA 1638	ug/l	0.0062	0.05
Lead	EPA 200.7	ug/l	3.0	15.0
Lead	EPA 200.8	ug/l	0.1	0.5
Lead	EPA 6010B	ug/l	3.0	15.0
Lead	EPA 6020	mg/kg	0.01	0.05
Lead	EPA 6020	ug/l	0.5	2.5
Lithium	EPA 200.7	ug/l	2.0	10.0
Lithium	EPA 6010B	ug/l	2.0	10.0
Magnesium	EPA 200.7	mg/l	0.2	1.0
Magnesium	EPA 200.8	mg/l	0.001	0.005
Magnesium	EPA 6010B	mg/l	0.2	1.0
Magnesium	EPA 6020	mg/l	0.001	0.005
Manganese	EPA 1638	ug/l	0.0203	0.2
Manganese	EPA 200.7	ug/l	1.0	5.0
Manganese	EPA 200.8	ug/l	0.1	0.5
Manganese	EPA 6010B	ug/l	1.0	5.0
Manganese	EPA 6020	ug/l	0.5	2.5
Mercury	EPA 1631E	ng/l	0.2	0.5
Mercury	EPA 1631E	ng/l	0.2	0.5
Mercury	EPA 200.8	ug/l	0.1	0.5
Mercury	EPA 245.1	ug/l	0.07	0.2
Mercury	EPA 245.1	ug/l	0.07	0.2
Mercury	EPA 7470A	ug/l	0.07	0.2

Molybdenum	EPA 1638	ug/l	0.0064	0.1
Molybdenum	EPA 1638	ug/l	0.0064	0.1
Molybdenum	EPA 200.7	ug/l	1.0	5.0
Molybdenum	EPA 200.8	ug/l	0.1	0.5
Molybdenum	EPA 6010B	ug/l	1.0	5.0
Molybdenum	EPA 6020	ug/l	0.5	2.5
Nickel	EPA 1638	ug/l	0.0143	0.1
Nickel	EPA 200.7	ug/l	1.0	10.0
Nickel	EPA 200.8	ug/l	0.2	1.0
Nickel	EPA 6010B	ug/l	1.0	10.0
Nickel	EPA 6020	ug/l	0.6	3.0
Potassium	EPA 200.7	mg/l	0.5	1.0
Potassium	EPA 200.8	mg/l	0.005	0.025
Potassium	EPA 6010B	mg/l	0.5	1.0
Potassium	EPA 6020	mg/l	0.005	0.025
Selenium	EPA 1638	ug/l	0.0428	0.1
Selenium	EPA 200.7	ug/l	4.0	15.0
Selenium	EPA 200.8	ug/l	0.4	2.0
Selenium	EPA 6010B	ug/l	4.0	15.0
Selenium	EPA 6020	ug/l	0.6	3.0
Selenium	SM 3113B	ug/l	1.0	5.0
Silica (SiO2)	EPA 200.7	mg/l	0.21	0.21
Silica (SiO2)	EPA 6010A	mg/l	0.02	0.1
Silicon	EPA 200.7	mg/l	0.093	0.467
Silicon	EPA 6010B	mg/l	0.02	0.1
Silver	EPA 1638	ug/l	0.0124	0.1
Silver	EPA 1638	ug/l	0.0124	0.1
Silver	EPA 200.7	ug/l	1.0	5.0
Silver	EPA 200.8	ug/l	0.1	0.5
Silver	EPA 6010B	ug/l	1.0	5.0
Silver	EPA 6020	ug/l	0.1	0.5
Sodium	EPA 200.7	mg/l	0.2	1.0
Sodium	EPA 200.8	mg/l	0.002	0.01
Sodium	EPA 6010B	mg/l	0.2	1.0
Sodium	EPA 6020	mg/l	0.002	0.01
Strontium	EPA 1638	ug/l	0.0091	0.1
Strontium	EPA 200.7	ug/l	1.0	5.0
Strontium	EPA 200.8	ug/l	0.1	0.5
Strontium	EPA 6010B	ug/l	1.0	5.0
Strontium	EPA 6020	mg/kg	0.0006	0.003
Sulfur	EPA 200.7	ug/l	100.0	500.0
Sulfur	EPA 200.7	ug/l	100.0	500.0
Sulfur	EPA 200.8	mg/l		
Sulfur	EPA 6010B	ug/l	20.0	100.0
Thallium	EPA 1638	ug/l	0.0021	0.02
Thallium	EPA 200.7	ug/l	5.0	25.0
Thallium	EPA 200.8	ug/l	0.2	1.0
Thallium	EPA 6010B	ug/l	5.0	25.0
Thallium	EPA 6020	ug/l	0.5	2.5
Tin	EPA 200.7	ug/l	2.0	10.0
Tin	EPA 6010B	ug/l	2.0	10.0
Titanium	EPA 200.7	ug/l	3.0	15.0
Titanium	EPA 6010B	ug/l	3.0	15.0
Uranium	EPA 200.8	ug/l	0.1	0.5
Uranium	EPA 6020	ug/l	0.5	2.5

Vanadium	EPA 1638	ug/l	0.0147	0.1
Vanadium	EPA 1638	ug/l	0.0147	0.1
Vanadium	EPA 200.7	ug/l	2.0	10.0
Vanadium	EPA 200.8	ug/l	0.1	0.5
Vanadium	EPA 6010B	ug/l	2.0	10.0
Vanadium	EPA 6020	ug/l	1.3	6.5
Zinc	EPA 1638	ug/l	0.04	0.1
Zinc	EPA 1638	ug/l	0.04	0.1
Zinc	EPA 200.7	ug/l	2.0	10.0
Zinc	EPA 200.8	ug/l	0.4	2.0
Zinc	EPA 6010B	ug/l	2.0	10.0
Zinc	EPA 6020	ug/l	0.4	2.0

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