

Ultra Low Level Metals Analysis by ICP-MS

ACZ Laboratories' Class 100 Clean Room

Proven Quality: ACZ's quarterly Proficiency Testing (PT) samples averaged 98% over the past four years. ACZ Laboratories scored a perfect 100% on the metals evaluation during four consecutive quarters in past double blind PE studies sent from Analytical Standards Inc, (ASI), a feat unmatched by any other laboratory in the history of the program. ACZ is NELAP accredited and holds certifications in most western states.

Experience: 28 years of experience with metals analysis and over 17 years of experience with ICP-MS coupled with NELAP accreditation insures our clients are provided with litigation quality data. Three ICP-MS's provide redundancy and reduction of delays due to instrument down-time. ACZ's Class 100 clean-room assures that the "Clean" requirements for both



sample prep and analysis specified in EPA's 1600 series methodology are met.

Additional Matrices & Metals: soil, sludge, filters, plant tissue and animal tissue. Each matrix has unique MDL's based on the required digestion and dilution factors. Other metals such as Hafnium are available. ACZ's three Agilent 7500 C-E Collision Cell ICP-MS's enables ACZ to analyze very difficult matrices, such as high TDS mine

water and samples with high chloride levels with minimal matrix interferences.

Detection Limits: MDL's for Clean Room ICP-MS in water matrix (dissolved) EPA 200.8 or 6020

<u>Parameter</u>	<u>ug/ L</u>	<u>Parameter</u>	<u>ug/ L</u>
As	0.1 -0.5	Ni	0.6
Sb	0.4	Se	0.1
Ba	0.1	Ag	0.05
Be	0.1	Sr	0.1
Cd	0.1	Tl	0.1
Cr	0.1	Th	0.1
Co	0.05	Sn	1
Cu	0.5	Ti	0.2
Pb	0.1	U	0.1
Mo	0.5	V	0.2

For More Information: www.acz.com

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