Sample submission form for inorganic analyses at ALEC:

Your name:	Date of submission:				
Contact info (phone and/or email):					
Project PI/Dept:	Budget/FRS number (needed before analysis):				
Number of samples (<i>Please provide sample ID list in Excel format</i>):					
Analyses requested (circle desired t	<u>ypes)</u> :				
ICP-MS XRF Ion chromatograph	ny TOC-TN-TIC (aqueous) C-N-S (solid) As Speciation				
Sample description: Solids Aqueous extracts Acid digests Water Other For XRF analysis: Sample source (Soil/Sediment/Rock/Mine tailings) Hazardous materials? Y / N If so, specify type(heavy metals, radioactivity, etc.): Matrix (background solution and concentration) if samples are solutions: Acids: HNO ₃ HCl ¹ HF ² other Concentration: Bases: NaOH TMAH other Concentration: Buffers ¹ (type and concentration needed): 1: Presence of Cl- contributes significant interferences to ICP-MS which must be considered for certain analytes.					
² : Solutions containing hydrofluoric acid require HF-resistant sample introduction system. There will be an additional charge for special handling.					
ICP-MS info (analytes requeste	ed):				

Standard set #	Analytes included per set:	Check or
	See fee schedule at	circle
	http://www.alec.arizona.edu/services.html	desired analytes
Standard set 1 – Major cations	K, Ca, Na, Mg	
Standard set 2 – DRC	V, Cr, Fe, Co, As, Se	
Standard set 3 – Trace metals	Be, Al, Mn, Ni, Cu, Zn, Mo, Ag, Cd, Sn, Sb, Ba, Pb	
Standard set 4 – REY	Y, Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sc, Sm, Tb, Th, Tm, Yb	
Standard set 5 – Minor/HNO3	Li, Ga, Rb, Sr, In, Cs, Tl, Bi, U	
Standard set 6 – Minor/HCI	Ru, Rh, Pd, Te, Hf, Ir, Pt, Au	
Standard set 7 – Minor/HF	B, Si, P, Ti, Ge, Zr, Nb, Ta, W, Re	
Standard set 8 – Hg	Hg	

Special notes:

- All samples must be free of suspended material (< 0.45μm).
- If diluted, please provide a sample of diluent for analysis.
- Upon completion of analysis, **solutions will be held for at least 30 days**. Please make arrangements to retrieve your samples before this deadline, or they will be discarded.

ALEC Log#	Completion date:	Invoice #	Invoice date: