

FORM 4 - IN
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLM6
 Analytical Method: ICP-AES ICSA Source: EPA-1211
 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB134069
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	93	240000	96
Antimony	0	618	24		580	94
Arsenic	0	104	-9.5		98	94
Barium	6	537	2.9	47	530	98
Beryllium	0	495	2.0		530	106
Cadmium	1	972	1.1	105	1000	105
Calcium	245000	235000	240000	99	240000	103
Chromium	52	542	52	100	600	110
Cobalt	0	476	36		530	112
Copper	2	511	-1.2	-59	480	94
Iron	101000	99300	100000	100	100000	102
Lead	0	49	5.6		57	117
Magnesium	255000	248000	260000	101	260000	104
Manganese	7	507	12	176	530	104
Nickel	2	954	3.9	195	1000	107
Potassium	0	0	-860		-1200	
Selenium	0	46	24		69	151
Silver	0	201	2.7		190	92
Sodium	0	0	-1800		-940	
Thallium	0	108	-11		83	77
Vanadium	0	491	9.0		520	105
Zinc	0	952	-16		930	97

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 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB134116
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	96	240000	98
Antimony	0	618	-4.6		630	101
Arsenic	0	104	2.0		110	108
Barium	6	537	3.6	59	560	105
Beryllium	0	495	4.5		570	115
Cadmium	1	972	0.87	87	1100	112
Calcium	245000	235000	250000	102	250000	105
Chromium	52	542	52	99	620	115
Cobalt	0	476	5.3		550	114
Copper	2	511	-15	-740	490	96
Iron	101000	99300	100000	102	100000	103
Lead	0	49	-8.0		46	93
Magnesium	255000	248000	260000	103	260000	105
Manganese	7	507	9.3	133	560	111
Nickel	2	954	3.1	154	1100	113
Potassium	0	0	-250		-500	
Selenium	0	46	21		67	146
Silver	0	201	0.79		220	108
Sodium	0	0	130		120	
Thallium	0	108	-16		90	84
Vanadium	0	491	13		550	112
Zinc	0	952	-35		1000	109

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 Analytical Method: ICP-AES ICSA Source: EPA-1211
 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB134161
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	250000	96	230000	93
Antimony	0	618	23		600	96
Arsenic	0	104	7.5		110	106
Barium	6	537	4.2	70	540	101
Beryllium	0	495	2.0		560	112
Cadmium	1	972	2.1	211	1100	109
Calcium	245000	235000	250000	103	240000	102
Chromium	52	542	54	103	610	113
Cobalt	0	476	36		540	114
Copper	2	511	-0.28	-14	490	96
Iron	101000	99300	100000	101	97000	97
Lead	0	49	-0.35		55	111
Magnesium	255000	248000	260000	104	250000	101
Manganese	7	507	4.4	63	550	108
Nickel	2	954	1.9	94	1000	109
Potassium	0	0	86		-220	
Selenium	0	46	17		74	160
Silver	0	201	-6.8		200	101
Sodium	0	0	210		210	
Thallium	0	108	3.2		110	97
Vanadium	0	491	1.8		540	110
Zinc	0	952	-33		970	102

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 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB134162
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	95	240000	97
Antimony	0	618	20		570	92
Arsenic	0	104	-1.8		100	98
Barium	6	537	1.6	26	520	97
Beryllium	0	495	1.5		530	106
Cadmium	1	972	0.73	73	990	102
Calcium	245000	235000	250000	102	250000	106
Chromium	52	542	52	99	580	107
Cobalt	0	476	37		510	108
Copper	2	511	-9.2	-462	460	89
Iron	101000	99300	100000	100	100000	101
Lead	0	49	3.9		48	98
Magnesium	255000	248000	260000	102	260000	105
Manganese	7	507	2.2	31	510	100
Nickel	2	954	0.46	23	980	102
Potassium	0	0	-110		-310	
Selenium	0	46	17		64	138
Silver	0	201	-7.0		200	100
Sodium	0	0	180		200	
Thallium	0	108	10		110	100
Vanadium	0	491	3.8		500	101
Zinc	0	952	-33		910	96