

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.: MBHK12
 Analytical Method: ICP-AES ICSA Source: EPA-1211
 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133720
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	230000	89	240000	97
Antimony	0	618	3.2		600	97
Arsenic	0	104	6.6		99	96
Barium	6	537	6.0	101	530	98
Beryllium	0	495	0.83		520	106
Cadmium	1	972	0.28	28	990	102
Calcium	245000	235000	240000	99	260000	110
Chromium	52	542	50	96	590	110
Cobalt	0	476	-2.0		510	107
Copper	2	511	-11	-557	470	92
Iron	101000	99300	97000	96	100000	103
Lead	0	49	-7.6		43	88
Magnesium	255000	248000	230000	91	250000	99
Manganese	7	507	14	196	540	107
Nickel	2	954	2.3	116	1000	108
Potassium	0	0	-350		-590	
Selenium	0	46	7.0		38	82
Silver	0	201	-6.9		180	89
Sodium	0	0	-61		-47	
Thallium	0	108	-17		90	84
Vanadium	0	491	2.6		510	104
Zinc	0	952	-34		940	99

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 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133774
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	230000	89	240000	99
Antimony	0	618	5.9		600	96
Arsenic	0	104	4.2		95	91
Barium	6	537	5.6	93	530	99
Beryllium	0	495	0.87		530	107
Cadmium	1	972	-0.46	-46	1000	103
Calcium	245000	235000	240000	97	260000	109
Chromium	52	542	51	97	610	113
Cobalt	0	476	-1.4		520	109
Copper	2	511	-5.0	-251	480	95
Iron	101000	99300	96000	95	100000	103
Lead	0	49	-5.4		49	99
Magnesium	255000	248000	230000	89	240000	97
Manganese	7	507	12	165	540	106
Nickel	2	954	2.3	116	1000	109
Potassium	0	0	-300		-550	
Selenium	0	46	-0.36		43	93
Silver	0	201	-7.0		180	91
Sodium	0	0	620		620	
Thallium	0	108	-13		96	89
Vanadium	0	491	4.3		510	105
Zinc	0	952	-36		960	100

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 Analytical Method: ICP-AES ICSA Source: EPA-1211
 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133883
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	95	250000	101
Antimony	0	618	-6.8		560	90
Arsenic	0	104	-9.3		89	86
Barium	6	537	7.3	122	550	102
Beryllium	0	495	1.4		550	110
Cadmium	1	972	0.85	85	1000	104
Calcium	245000	235000	250000	102	260000	109
Chromium	52	542	52	100	620	115
Cobalt	0	476	32		540	114
Copper	2	511	-7.0	-350	490	95
Iron	101000	99300	100000	102	110000	106
Lead	0	49	-9.9		42	87
Magnesium	255000	248000	260000	100	260000	106
Manganese	7	507	10	146	550	108
Nickel	2	954	5.1	256	1100	113
Potassium	0	0	-290		-600	
Selenium	0	46	-16		27	58
Silver	0	201	-7.6		190	94
Sodium	0	0	-51		-94	
Thallium	0	108	7.7		110	101
Vanadium	0	491	0.48		530	108
Zinc	0	952	-36		1100	110

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 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