

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.: MBHJ97
 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: LB133902
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	95	240000	98
Antimony	0	618	-9.0		540	87
Arsenic	0	104	-0.39		99	95
Barium	6	537	-1.6	-27	530	98
Beryllium	0	495	1.6		530	107
Cadmium	1	972	0.23	23	990	101
Calcium	245000	235000	250000	103	250000	106
Chromium	52	542	54	104	610	112
Cobalt	0	476	31		530	112
Copper	2	511	-18	-892	470	92
Iron	101000	99300	100000	102	100000	104
Lead	0	49	-0.19		52	107
Magnesium	255000	248000	250000	99	250000	102
Manganese	7	507	13	186	530	104
Nickel	2	954	7.2	360	1000	108
Potassium	0	0	-890		-1100	
Selenium	0	46	-18		20	43
Silver	0	201	-0.37		190	96
Sodium	0	0	120		-310	
Thallium	0	108	7.5		110	101
Vanadium	0	491	-0.05		520	105
Zinc	0	952	-17		890	93

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 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133949
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	93	240000	95
Antimony	0	618	14		530	86
Arsenic	0	104	3.3		110	101
Barium	6	537	8.9	149	530	99
Beryllium	0	495	1.5		520	104
Cadmium	1	972	1.0	102	980	100
Calcium	245000	235000	240000	99	240000	103
Chromium	52	542	51	98	580	107
Cobalt	0	476	30		500	106
Copper	2	511	-14	-686	470	91
Iron	101000	99300	100000	100	100000	101
Lead	0	49	0.61		50	102
Magnesium	255000	248000	260000	100	250000	102
Manganese	7	507	11	150	530	104
Nickel	2	954	7.8	392	980	103
Potassium	0	0	-1000		-1800	
Selenium	0	46	-22		21	46
Silver	0	201	-9.9		180	91
Sodium	0	0	1500		1700	
Thallium	0	108	17		120	113
Vanadium	0	491	4.1		530	107
Zinc	0	952	-26		900	94

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 Analytical Method: ICP-AES ICSA Source: EPA-1211
 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133959
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	94	240000	96
Antimony	0	618	7.9		530	85
Arsenic	0	104	-0.84		100	96
Barium	6	537	5.3	88	530	98
Beryllium	0	495	1.4		510	103
Cadmium	1	972	1.0	103	980	101
Calcium	245000	235000	250000	100	240000	103
Chromium	52	542	50	96	570	106
Cobalt	0	476	36		510	107
Copper	2	511	-15	-746	460	91
Iron	101000	99300	100000	101	100000	103
Lead	0	49	3.9		50	102
Magnesium	255000	248000	260000	101	260000	103
Manganese	7	507	10	147	520	103
Nickel	2	954	6.1	305	980	103
Potassium	0	0	-520		-1000	
Selenium	0	46	-30		19	40
Silver	0	201	-8.8		180	89
Sodium	0	0	2.2		-140	
Thallium	0	108	20		120	112
Vanadium	0	491	1.1		520	106
Zinc	0	952	-43		890	93

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 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