

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.: MBHJ01
 Analytical Method: ICP-AES ICSA Source: EPA-1211
 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: LB133932
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	95	240000	96
Antimony	0	618	-5.0		530	85
Arsenic	0	104	4.3		96	93
Barium	6	537	6.6	109	520	96
Beryllium	0	495	1.5		520	106
Cadmium	1	972	0.64	64	960	99
Calcium	245000	235000	250000	101	240000	104
Chromium	52	542	52	100	600	111
Cobalt	0	476	31		520	109
Copper	2	511	-6.7	-336	460	90
Iron	101000	99300	100000	102	100000	102
Lead	0	49	3.7		49	101
Magnesium	255000	248000	260000	100	250000	100
Manganese	7	507	7.0	101	510	101
Nickel	2	954	6.9	344	1000	104
Potassium	0	0	-790		-1800	
Selenium	0	46	-26		18	39
Silver	0	201	2.2		190	94
Sodium	0	0	280		470	
Thallium	0	108	14		110	101
Vanadium	0	491	8.5		510	104
Zinc	0	952	-29		870	91

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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: LB134057
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	93	240000	99
Antimony	0	618	4.0		560	90
Arsenic	0	104	8.3		110	108
Barium	6	537	5.4	90	540	100
Beryllium	0	495	2.4		530	107
Cadmium	1	972	0.75	75	1000	105
Calcium	245000	235000	250000	100	250000	107
Chromium	52	542	50	97	600	110
Cobalt	0	476	34		530	111
Copper	2	511	-13	-662	470	93
Iron	101000	99300	100000	100	100000	105
Lead	0	49	-0.2		51	103
Magnesium	255000	248000	260000	101	260000	106
Manganese	7	507	9.1	130	530	105
Nickel	2	954	3.6	178	1000	106
Potassium	0	0	-760		-1200	
Selenium	0	46	26		72	156
Silver	0	201	5.5		190	96
Sodium	0	0	-1000		-720	
Thallium	0	108	-15		96	89
Vanadium	0	491	8.4		520	106
Zinc	0	952	-21		900	95