

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.: MBHD2
 Analytical Method: ICP-AES ICSA Source: EPA-1211
 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133953
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	250000	98	260000	106
Antimony	0	618	7.5		550	88
Arsenic	0	104	-5.8		100	96
Barium	6	537	4.3	72	590	109
Beryllium	0	495	1.4		520	105
Cadmium	1	972	0.94	94	1000	103
Calcium	245000	235000	250000	101	260000	110
Chromium	52	542	51	97	580	106
Cobalt	0	476	35		510	107
Copper	2	511	19	937	490	96
Iron	101000	99300	100000	103	110000	110
Lead	0	49	7.1		57	117
Magnesium	255000	248000	250000	100	270000	107
Manganese	7	507	9.6	136	570	112
Nickel	2	954	7.0	350	1000	105
Potassium	0	0	-390		-610	
Selenium	0	46	-17		28	60
Silver	0	201	-6.2		190	94
Sodium	0	0	12		27	
Thallium	0	108	14		130	120
Vanadium	0	491	2.4		560	113
Zinc	0	952	-29		900	94

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 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB134014
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	250000	96	250000	99
Antimony	0	618	7.3		590	96
Arsenic	0	104	4.3		110	101
Barium	6	537	6.3	106	540	101
Beryllium	0	495	2.4		540	109
Cadmium	1	972	0.74	74	1000	105
Calcium	245000	235000	250000	104	250000	107
Chromium	52	542	53	102	590	108
Cobalt	0	476	44		540	113
Copper	2	511	-10	-519	480	94
Iron	101000	99300	110000	104	100000	105
Lead	0	49	-3.3		55	111
Magnesium	255000	248000	270000	104	270000	107
Manganese	7	507	13	185	540	106
Nickel	2	954	4.1	205	1000	106
Potassium	0	0	-430		-890	
Selenium	0	46	20		71	154
Silver	0	201	2.5		190	92
Sodium	0	0	390		220	
Thallium	0	108	-19		88	81
Vanadium	0	491	4.2		540	110
Zinc	0	952	-6.0		920	97

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 Analytical Method: ICP-AES ICSA Source: EPA-1211
 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

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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