

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.: MBHHE1
 Analytical Method: ICP-AES ICSA Source: EPA-1211
 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133543
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	93	250000	100
Antimony	0	618	8.1		560	90
Arsenic	0	104	6.0		110	102
Barium	6	537	3.7	62	540	100
Beryllium	0	495	-0.081		520	105
Cadmium	1	972	1.8	180	1000	106
Calcium	245000	235000	240000	98	250000	107
Chromium	52	542	49	94	580	107
Cobalt	0	476	-1.5		510	108
Copper	2	511	-2.3	-115	490	95
Iron	101000	99300	100000	99	100000	105
Lead	0	49	0.27		52	107
Magnesium	255000	248000	230000	92	240000	98
Manganese	7	507	11	156	530	103
Nickel	2	954	3.4	170	1000	108
Potassium	0	0	-1100		-1500	
Selenium	0	46	11		52	113
Silver	0	201	-1.7		180	90
Sodium	0	0	580		760	
Thallium	0	108	-3.2		100	95
Vanadium	0	491	-1.7		530	109
Zinc	0	952	12		880	92

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 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133566
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	230000	91	240000	98
Antimony	0	618	4.2		540	88
Arsenic	0	104	1.3		110	108
Barium	6	537	5.4	91	530	98
Beryllium	0	495	0.031		510	104
Cadmium	1	972	1.6	159	1000	105
Calcium	245000	235000	240000	97	250000	105
Chromium	52	542	49	95	590	108
Cobalt	0	476	-4.0		510	106
Copper	2	511	-3.2	-159	470	93
Iron	101000	99300	98000	97	100000	103
Lead	0	49	-6.3		44	89
Magnesium	255000	248000	230000	90	240000	96
Manganese	7	507	10	147	520	103
Nickel	2	954	3.0	150	1000	107
Potassium	0	0	-200		-380	
Selenium	0	46	8.2		57	124
Silver	0	201	3.3		190	93
Sodium	0	0	-190		290	
Thallium	0	108	-3.0		100	95
Vanadium	0	491	4.1		520	105
Zinc	0	952	12		910	96

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 Analytical Method: ICP-AES ICSA Source: EPA-1211
 Instrument ID: P5 ICSB Source: EPA-0710
 Run Batch: LB133698
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	255000	247000	240000	94	240000	99
Antimony	0	618	3.4		560	90
Arsenic	0	104	8.1		110	106
Barium	6	537	4.7	77	530	99
Beryllium	0	495	0.1		530	106
Cadmium	1	972	2.5	247	1100	109
Calcium	245000	235000	250000	100	250000	106
Chromium	52	542	50	96	610	113
Cobalt	0	476	2.0		520	110
Copper	2	511	-1.8	-90	480	94
Iron	101000	99300	100000	100	100000	103
Lead	0	49	-3.6		45	91
Magnesium	255000	248000	240000	93	240000	97
Manganese	7	507	14	192	530	105
Nickel	2	954	4.0	199	1100	110
Potassium	0	0	-850		-970	
Selenium	0	46	-2.2		43	93
Silver	0	201	3.5		190	95
Sodium	0	0	640		720	
Thallium	0	108	-9.9		96	89
Vanadium	0	491	-3.6		540	109
Zinc	0	952	12		920	97

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 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