

FORM 4 - IN
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8C9
 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P8 ICSB Source: EPA-0803
 Run Batch: LB134612
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	89000	89	90000	90
Antimony	1.5	22	1.1	72	21	97
Arsenic	0.1	19	0.3	300	22	114
Barium	1.2	22	1.3	110	22	99
Beryllium	0	19	0.32		21	112
Cadmium	0.7	20	0.46	66	20	100
Calcium	100000	100000	93000	92	97000	97
Chromium	21	40	19	92	40	99
Cobalt	1	20	1.2	117	21	106
Copper	8	25	7.9	99	28	113
Iron	100000	100000	99000	99	100000	101
Lead	4	25	4.3	107	25	98
Magnesium	100000	100000	92000	92	92000	92
Manganese	7	27	7.5	107	27	102
Molybdenum	2000	2000	1900	94	2000	99
Nickel	6	24	5.1	84	25	103
Potassium	100000	100000	95000	94	97000	96
Selenium	0.3	19	-0.2	0	21	108
Silver	0	18	0.07		19	105
Sodium	100000	100000	97000	97	98000	98
Strontium	0	0	33		35	
Thallium	0	21	0.09		21	100
Vanadium	0.5	19	0.16	32	20	104
Zinc	11	29	11	100	31	107

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 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P8 ICSB Source: EPA-0803
 Run Batch: LB134674
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	94000	94	94000	93
Antimony	1.5	22	1.2	78	22	101
Arsenic	0.1	19	0.26	260	22	114
Barium	1.2	22	1.5	121	23	102
Beryllium	0	19	0.3		21	112
Cadmium	0.7	20	0.48	69	21	103
Calcium	100000	100000	110000	105	110000	105
Chromium	21	40	20	96	40	99
Cobalt	1	20	1.2	118	22	108
Copper	8	25	8.1	102	28	114
Iron	100000	100000	110000	105	110000	105
Lead	4	25	4.5	113	25	99
Magnesium	100000	100000	98000	98	97000	97
Manganese	7	27	7.8	111	28	102
Molybdenum	2000	2000	2000	100	2000	100
Nickel	6	24	5.1	85	25	104
Potassium	100000	100000	100000	100	100000	100
Selenium	0.3	19	0.31	103	21	110
Silver	0	18	0.02		20	108
Sodium	100000	100000	110000	107	110000	107
Strontium	0	0	36		36	
Thallium	0	21	0.05		21	101
Vanadium	0.5	19	0.14	28	20	106
Zinc	11	29	11	101	31	108

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 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P8 ICSB Source: EPA-0803
 Run Batch: LB134694
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	94000	93	88000	88
Antimony	1.5	22	1.1	75	20	91
Arsenic	0.1	19	0.35	350	21	108
Barium	1.2	22	1.4	113	20	92
Beryllium	0	19	0.21		20	106
Cadmium	0.7	20	0.62	89	19	94
Calcium	100000	100000	110000	107	110000	105
Chromium	21	40	21	100	40	100
Cobalt	1	20	1.2	121	22	109
Copper	8	25	8.6	108	29	114
Iron	100000	100000	110000	106	100000	101
Lead	4	25	4.8	120	23	92
Magnesium	100000	100000	97000	97	91000	91
Manganese	7	27	8.0	114	28	102
Molybdenum	2000	2000	1900	95	1900	93
Nickel	6	24	5.2	87	25	104
Potassium	100000	100000	100000	100	95000	95
Selenium	0.3	19	0.08	27	19	102
Silver	0	18	0.05		18	98
Sodium	100000	100000	100000	104	99000	99
Strontium	0	0	32		32	
Thallium	0	21	0.11		20	94
Vanadium	0.5	19	0.14	28	20	106
Zinc	11	29	12	105	31	108