

FORM 4 - IN
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD4A7
 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P7 ICSB Source: EPA-0803
 Run Batch: LB132901
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	90000	90	90000	90
Antimony	1.5	22	1.1	72	19	88
Arsenic	0.1	19	0.36	360	20	104
Barium	1.2	22	1.4	113	19	87
Beryllium	0	19	0.33		21	108
Cadmium	0.7	20	0.23	33	19	97
Calcium	100000	100000	95000	95	96000	96
Chromium	21	40	19	91	38	96
Cobalt	1	20	1.2	115	20	101
Copper	8	25	7.4	92	25	101
Iron	100000	100000	100000	100	100000	101
Lead	4	25	3.7	92	22	86
Magnesium	100000	100000	94000	94	94000	94
Manganese	7	27	7.4	106	27	101
Nickel	6	24	5.3	88	25	103
Potassium	100000	100000	96000	96	97000	97
Selenium	0.3	19	0.1	33	19	102
Silver	0	18	0.1		17	97
Sodium	100000	100000	96000	96	96000	96
Thallium	0	21	0.15		19	90
Vanadium	0.5	19	0.21	42	19	101
Zinc	11	29	11	102	30	104

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 Instrument ID: P7 ICSB Source: EPA-0803
 Run Batch: LB132954
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	91000	91	91000	91
Antimony	1.5	22	1.1	70	20	89
Arsenic	0.1	19	0.41	410	21	108
Barium	1.2	22	1.3	112	19	88
Beryllium	0	19	0.3		20	107
Cadmium	0.7	20	0.21	30	19	94
Calcium	100000	100000	99000	99	97000	97
Chromium	21	40	20	94	39	97
Cobalt	1	20	1.2	122	20	102
Copper	8	25	7.9	99	26	103
Iron	100000	100000	100000	104	100000	103
Lead	4	25	4.0	100	26	103
Magnesium	100000	100000	97000	97	96000	96
Manganese	7	27	8.1	116	28	102
Nickel	6	24	5.4	91	25	102
Potassium	100000	100000	97000	97	97000	97
Selenium	0.3	19	0.45	150	20	104
Silver	0	18	0.09		18	99
Sodium	100000	100000	99000	98	97000	97
Thallium	0	21	0.11		22	104
Vanadium	0.5	19	0.2	40	20	103
Zinc	11	29	11	100	30	104

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 Instrument ID: P7 ICSB Source: EPA-0803
 Run Batch: LB132969
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSB	ICSA	%R	ICSB	%R
Aluminum	100000	100000	91000	90	88000	88
Antimony	1.5	22	1.0	67	18	84
Arsenic	0.1	19	0.48	480	20	106
Barium	1.2	22	1.3	108	18	83
Beryllium	0	19	0.4		19	97
Cadmium	0.7	20	0.3	43	18	88
Calcium	100000	100000	95000	95	94000	94
Chromium	21	40	20	94	39	98
Cobalt	1	20	1.2	124	20	100
Copper	8	25	7.9	98	26	103
Iron	100000	100000	100000	101	100000	100
Lead	4	25	3.8	94	21	85
Magnesium	100000	100000	97000	97	94000	94
Manganese	7	27	7.8	111	27	101
Nickel	6	24	5.1	84	24	100
Potassium	100000	100000	96000	96	94000	94
Selenium	0.3	19	-0.25	0	18	96
Silver	0	18	0.08		17	93
Sodium	100000	100000	98000	98	95000	95
Thallium	0	21	0.18		19	89
Vanadium	0.5	19	0.19	38	19	98
Zinc	11	29	12	112	31	107

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 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P7 ICSB Source: EPA-0803
 Run Batch: LB132992
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	90000	90	89000	89
Antimony	1.5	22	1.1	75	20	92
Arsenic	0.1	19	0.42	420	19	98
Barium	1.2	22	1.3	112	20	90
Beryllium	0	19	0.34		20	105
Cadmium	0.7	20	0.2	29	20	101
Calcium	100000	100000	98000	98	98000	98
Chromium	21	40	19	92	38	95
Cobalt	1	20	1.2	118	20	99
Copper	8	25	7.3	91	25	99
Iron	100000	100000	100000	103	100000	102
Lead	4	25	4.0	101	23	94
Magnesium	100000	100000	93000	93	91000	91
Manganese	7	27	7.7	110	26	98
Nickel	6	24	5.3	88	24	99
Potassium	100000	100000	97000	97	96000	96
Selenium	0.3	19	0.7	233	21	109
Silver	0	18	0.08		18	102
Sodium	100000	100000	98000	98	97000	97
Thallium	0	21	0.17		22	106
Vanadium	0.5	19	0.18	36	18	96
Zinc	11	29	11	100	29	100