

FORM 4 - IN
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 313864 MA No. : SDG No.: MYDAL9
 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P7 ICSB Source: EPA-0803
 Run Batch: LB133150
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	91000	91	90000	90
Antimony	1.5	22	1.1	71	20	89
Arsenic	0.1	19	0.35	350	20	104
Barium	1.2	22	1.2	102	19	85
Beryllium	0	19	-1.6		20	103
Cadmium	0.7	20	0.22	31	19	93
Calcium	100000	100000	98000	98	97000	97
Chromium	21	40	20	93	39	97
Cobalt	1	20	1.2	119	20	101
Copper	8	25	7.0	88	25	99
Iron	100000	100000	100000	101	100000	100
Lead	4	25	3.8	96	23	91
Magnesium	100000	100000	97000	97	97000	97
Manganese	7	27	7.3	105	26	98
Nickel	6	24	5.1	85	24	99
Potassium	100000	100000	96000	96	95000	95
Selenium	0.3	19	-0.13	0	19	102
Silver	0	18	0.06		18	98
Sodium	100000	100000	99000	99	99000	99
Thallium	0	21	0.11		19	92
Vanadium	0.5	19	0.16	32	19	102
Zinc	11	29	8.8	80	27	94

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 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P7 ICSB Source: EPA-0803
 Run Batch: LB133170
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	81000	81	88000	88
Antimony	1.5	22	0.99	66	19	85
Arsenic	0.1	19	0.29	290	19	102
Barium	1.2	22	1.2	98	18	82
Beryllium	0	19	0.25		20	105
Cadmium	0.7	20	0.12	17	18	89
Calcium	100000	100000	88000	88	91000	91
Chromium	21	40	18	86	39	97
Cobalt	1	20	1.1	109	20	101
Copper	8	25	6.5	81	25	101
Iron	100000	100000	91000	91	99000	99
Lead	4	25	3.6	91	22	87
Magnesium	100000	100000	88000	88	96000	96
Manganese	7	27	7.1	102	27	99
Nickel	6	24	4.9	81	25	102
Potassium	100000	100000	88000	88	95000	95
Selenium	0.3	19	0.41	137	18	97
Silver	0	18	0.05		17	94
Sodium	100000	100000	88000	88	96000	96
Thallium	0	21	0.09		19	89
Vanadium	0.5	19	0.16	32	19	100
Zinc	11	29	11	99	31	106

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 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P7 ICSB Source: EPA-0803
 Run Batch: LB133170
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	81000	81	88000	88
Antimony	1.5	22	0.99	66	20	90
Arsenic	0.1	19	0.32	320	19	100
Barium	1.2	22	1.3	106	19	87
Beryllium	0	19	0.26		22	114
Cadmium	0.7	20	0.08	11	19	94
Calcium	100000	100000	89000	89	97000	97
Chromium	21	40	18	87	39	98
Cobalt	1	20	1.1	107	20	102
Copper	8	25	6.4	80	26	102
Iron	100000	100000	93000	93	100000	100
Lead	4	25	3.5	87	23	91
Magnesium	100000	100000	88000	88	96000	96
Manganese	7	27	7.3	104	27	99
Nickel	6	24	4.9	82	25	103
Potassium	100000	100000	88000	88	96000	96
Selenium	0.3	19	0.34	113	19	101
Silver	0	18	0.06		18	100
Sodium	100000	100000	90000	90	97000	97
Thallium	0	21	0.01		19	93
Vanadium	0.5	19	0.17	34	20	103
Zinc	11	29	11	100	31	105

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 Analytical Method: ICP-MS ICSA Source: EPA-0803
 Instrument ID: P7 ICSB Source: EPA-0803
 Run Batch: LB133179
 Concentration Units: ug/L

Analyte	True		Found			
	ICSA	ICSAB	ICSA	%R	ICSAB	%R
Aluminum	100000	100000	87000	87	87000	87
Antimony	1.5	22	1.1	71	20	89
Arsenic	0.1	19	0.36	360	19	101
Barium	1.2	22	1.3	108	19	87
Beryllium	0	19	0.31		21	109
Cadmium	0.7	20	0.25	36	20	98
Calcium	100000	100000	97000	97	95000	95
Chromium	21	40	19	91	38	94
Cobalt	1	20	1.2	117	20	100
Copper	8	25	6.8	85	24	97
Iron	100000	100000	97000	97	97000	97
Lead	4	25	3.9	97	23	92
Magnesium	100000	100000	93000	93	93000	93
Manganese	7	27	7.8	111	27	99
Nickel	6	24	5.3	89	24	101
Potassium	100000	100000	94000	94	94000	94
Selenium	0.3	19	0.12	40	19	102
Silver	0	18	0.07		18	98
Sodium	100000	100000	94000	94	95000	94
Thallium	0	21	0.12		20	93
Vanadium	0.5	19	0.16	32	19	99
Zinc	11	29	11	98	31	107