

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8F8
 Initial Calibration Verification Source : MP84051
 Continuing Calibration Verification Source : MP84052
 Run Batch: LB134440 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV001				ID: CCV001				ID: CCV002		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	500	470	95	1	50000	52000	103	1	51000	102	1
Antimony	200	200	100	2	500	520	104	1	500	100	0
Arsenic	200	200	101	0	500	520	104	1	510	101	0
Barium	100	98	98	2	2500	2600	106	0	2500	100	0
Beryllium	100	94	94	2	500	550	110	1	510	102	1
Cadmium	100	99	99	2	500	480	96	1	460	92	1
Calcium	2000	2100	106	2	250000	260000	103	1	250000	100	1
Chromium	100	96	96	1	500	490	99	2	480	96	1
Cobalt	100	99	99	1	500	510	101	2	500	101	0
Copper	100	110	105	1	5000	5000	99	2	4900	98	1
Iron	2000	2000	101	1	125000	130000	103	1	130000	101	1
Lead	200	200	98	1	2500	2700	106	1	2600	104	0
Magnesium	1200	1200	97	1	250000	260000	102	1	260000	102	1
Manganese	100	99	99	1	5000	5200	104	2	5100	103	0
Molybdenum	5000	4800	96	0	5000	5300	105	0	5100	102	0
Nickel	110	110	96	1	500	500	100	1	490	98	1
Potassium	2000	1900	93	1	125000	130000	102	1	120000	100	0
Selenium	200	200	102	0	500	510	101	1	500	99	1
Silver	50.0	47	95	2	500	500	99	0	480	96	1
Sodium	2000	1900	97	1	250000	260000	102	1	250000	101	1
Strontium	500	480	96	1	500	530	105	1	510	103	0
Thallium	210	190	91	1	500	530	107	1	520	104	1
Vanadium	100	92	92	1	500	500	101	1	490	99	1
Zinc	200	200	100	1	5000	5000	100	2	4900	98	2

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV003				ID: CCV004		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					50000	49000	99	6	50000	100	0
Antimony					500	510	101	1	490	99	0
Arsenic					500	490	97	6	500	100	1
Barium					2500	2500	101	1	2500	100	1
Beryllium					500	510	103	2	490	99	2
Cadmium					500	460	93	1	450	91	1
Calcium					250000	250000	99	1	250000	98	1
Chromium					500	460	92	5	470	95	1
Cobalt					500	480	97	6	500	99	0
Copper					5000	4700	93	6	4800	96	1
Iron					125000	120000	97	5	130000	101	1
Lead					2500	2600	103	1	2500	102	0
Magnesium					250000	240000	97	5	250000	100	1
Manganese					5000	4900	98	6	5000	101	1
Molybdenum					5000	5100	103	1	5000	100	1
Nickel					500	470	93	6	480	96	1
Potassium					125000	120000	95	5	120000	98	1
Selenium					500	490	99	1	480	96	1
Silver					500	490	97	0	480	95	1
Sodium					250000	240000	97	5	250000	99	1
Strontium					500	510	102	0	500	101	1
Thallium					500	520	104	0	520	104	1
Vanadium					500	470	94	5	490	97	0
Zinc					5000	4600	92	8	4700	94	3

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 Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8F8
 Initial Calibration Verification Source : MP84051
 Continuing Calibration Verification Source : MP84052
 Run Batch: LB134440 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV005				ID: CCV006		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					50000	50000	101	3	49000	98	0
Antimony					500	500	100	1	500	100	1
Arsenic					500	500	100	3	500	101	0
Barium					2500	2500	99	3	2500	100	1
Beryllium					500	500	100	1	500	101	1
Cadmium					500	460	91	2	460	91	1
Calcium					250000	240000	98	2	250000	99	1
Chromium					500	480	96	3	480	96	1
Cobalt					500	500	100	4	500	100	1
Copper					5000	4800	97	4	4900	98	1
Iron					125000	130000	102	4	130000	100	2
Lead					2500	2600	102	2	2500	101	0
Magnesium					250000	250000	100	3	250000	100	1
Manganese					5000	5100	102	3	5000	101	0
Molybdenum					5000	5000	100	3	5100	102	1
Nickel					500	490	98	4	490	97	1
Potassium					125000	120000	97	3	120000	98	0
Selenium					500	480	96	2	490	98	2
Silver					500	470	95	2	480	95	1
Sodium					250000	250000	99	3	250000	100	1
Strontium					500	500	99	2	500	100	0
Thallium					500	510	102	2	510	102	0
Vanadium					500	490	98	3	490	98	0
Zinc					5000	4600	93	3	4900	98	0

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8F8
 Initial Calibration Verification Source : MP84051
 Continuing Calibration Verification Source : MP84052
 Run Batch: LB134440 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV007				ID: CCV008		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					50000	48000	97	3	54000	107	1
Antimony					500	500	100	1	530	106	1
Arsenic					500	490	98	2	530	106	2
Barium					2500	2500	99	2	2600	105	1
Beryllium					500	500	100	1	510	103	0
Cadmium					500	450	91	1	530	105	2
Calcium					250000	250000	99	1	260000	105	1
Chromium					500	470	94	3	510	103	1
Cobalt					500	490	99	3	540	107	1
Copper					5000	4800	96	2	5200	105	1
Iron					125000	120000	99	2	140000	109	1
Lead					2500	2500	101	1	2700	108	2
Magnesium					250000	240000	98	2	270000	107	1
Manganese					5000	5000	100	3	5500	109	2
Molybdenum					5000	5000	101	1	5300	107	1
Nickel					500	480	96	3	520	105	1
Potassium					125000	120000	95	3	130000	105	0
Selenium					500	480	96	0	510	102	3
Silver					500	470	94	1	500	99	3
Sodium					250000	240000	97	3	270000	107	0
Strontium					500	500	101	1	530	107	2
Thallium					500	510	102	1	540	109	2
Vanadium					500	480	96	2	520	104	0
Zinc					5000	4600	91	3	5000	99	1

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8F8
 Initial Calibration Verification Source : MP84051
 Continuing Calibration Verification Source : MP84052
 Run Batch: LB134543 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV002				ID: CCV011				ID: CCV012		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	500	470	94	4	50000	47000	94	0	45000	91	1
Antimony	200	200	98	2	500	470	95	1	490	98	2
Arsenic	200	200	101	3	500	470	94	1	510	102	1
Barium	100	100	103	2	2500	2400	95	2	2400	98	3
Beryllium	100	100	102	2	500	490	98	3	510	102	1
Cadmium	100	100	104	2	500	490	99	3	480	97	1
Calcium	2000	2000	100	2	250000	240000	97	3	250000	100	1
Chromium	100	100	100	3	500	460	92	0	470	93	1
Cobalt	100	100	104	2	500	450	91	1	500	101	1
Copper	100	110	109	2	5000	4600	92	0	4800	95	1
Iron	2000	2000	102	2	125000	120000	96	1	130000	100	0
Lead	200	200	102	3	2500	2400	98	2	2500	101	1
Magnesium	1200	1100	95	3	250000	240000	94	0	240000	95	1
Manganese	100	100	103	2	5000	4900	97	1	4900	98	1
Molybdenum	5000	4900	99	2	5000	4900	98	3	5100	102	2
Nickel	110	110	101	2	500	470	93	0	520	103	0
Potassium	2000	1900	95	2	125000	120000	94	1	120000	95	1
Selenium	200	210	105	2	500	460	92	3	510	103	1
Silver	50.0	49	98	2	500	460	93	2	510	101	1
Sodium	2000	1900	97	3	250000	240000	94	0	240000	96	1
Thallium	210	200	97	3	500	490	99	1	510	102	1
Vanadium	100	100	101	3	500	490	97	1	490	98	1
Zinc	200	210	105	2	5000	4900	98	0	4800	95	1

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8F8Initial Calibration Verification Source : MP84439Continuing Calibration Verification Source : MP84438Run Batch: LB134674 Analytical Method: ICP-MSConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV005				ID: CCV021				ID: CCV022		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	500	480	95	1	50000	50000	100	0	50000	100	2
Antimony	200	210	103	1	500	500	100	2	500	100	1
Arsenic	200	210	103	1	500	500	99	1	490	99	2
Barium	100	100	101	1	2500	2600	102	1	2500	100	2
Beryllium	100	100	102	2	500	510	101	1	510	101	1
Cadmium	100	100	105	1	500	500	101	2	490	98	1
Calcium	2000	2200	110	1	250000	260000	104	0	250000	102	1
Chromium	100	100	101	0	500	500	100	1	500	100	2
Cobalt	100	110	105	0	500	490	99	1	490	99	2
Copper	100	110	107	1	5000	4800	95	0	4800	95	2
Iron	2000	2100	103	1	125000	130000	101	0	130000	101	2
Lead	200	200	99	1	2500	2500	102	2	2500	101	1
Magnesium	1200	1100	96	0	250000	250000	99	1	250000	101	1
Manganese	100	100	100	2	5000	4900	98	1	4900	99	1
Molybdenum	5000	4700	95	2	5000	5000	101	0	5000	100	1
Nickel	110	110	96	1	500	460	93	1	460	92	1
Potassium	2000	1900	95	0	125000	120000	100	1	120000	100	0
Selenium	200	210	105	2	500	500	99	0	490	97	1
Silver	50.0	49	97	2	500	490	99	1	490	97	1
Sodium	2000	2000	102	1	250000	260000	103	1	260000	104	1
Strontium	500	520	104	1	500	500	100	1	500	100	1
Thallium	210	200	95	0	500	510	103	1	510	102	1
Vanadium	100	99	99	1	500	500	100	1	490	99	1
Zinc	200	200	101	1	5000	4800	97	2	4800	97	1