

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9Initial Calibration Verification Source : MP84051Continuing Calibration Verification Source : MP84052Run Batch: LB134565 Analytical Method: ICP-MSConcentration 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	460	92	1	50000	50000	99	0	50000	99	1
Antimony	200	200	98	2	500	480	96	0	480	97	1
Arsenic	200	200	100	1	500	470	95	0	480	97	1
Barium	100	99	99	1	2500	2400	98	1	2500	98	0
Beryllium	100	96	96	2	500	470	95	1	480	96	1
Cadmium	100	100	103	1	500	460	92	0	470	94	1
Calcium	2000	2100	105	1	250000	250000	98	1	250000	99	1
Chromium	100	98	98	1	500	490	98	1	490	98	0
Cobalt	100	98	98	1	500	480	95	0	480	95	1
Copper	100	100	102	0	5000	4600	92	1	4500	91	1
Iron	2000	2100	104	1	125000	130000	101	1	130000	102	1
Lead	200	190	96	1	2500	2500	98	1	2500	99	1
Magnesium	1200	1200	97	1	250000	270000	108	1	270000	108	1
Manganese	100	98	98	0	5000	4800	96	1	4800	96	1
Nickel	110	100	91	1	500	460	92	0	460	91	0
Potassium	2000	2000	98	1	125000	120000	99	1	120000	100	1
Selenium	200	200	101	1	500	470	94	1	470	93	1
Silver	50.0	49	98	1	500	470	95	1	480	96	1
Sodium	2000	2000	98	1	250000	250000	101	1	250000	101	1
Thallium	210	190	91	0	500	490	99	2	500	100	1
Vanadium	100	94	94	1	500	490	99	1	500	99	1
Zinc	200	200	99	0	5000	4500	91	1	4500	91	1

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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	98	1	49000	97	0
Antimony					500	470	94	2	480	95	0
Arsenic					500	470	95	1	470	94	1
Barium					2500	2400	96	2	2400	96	1
Beryllium					500	470	94	3	500	101	1
Cadmium					500	450	90	2	450	91	1
Calcium					250000	240000	97	3	240000	98	1
Chromium					500	490	98	1	490	97	1
Cobalt					500	480	96	1	480	96	1
Copper					5000	4600	92	1	4600	92	1
Iron					125000	130000	103	0	130000	101	1
Lead					2500	2400	97	2	2400	97	1
Magnesium					250000	270000	108	0	270000	107	1
Manganese					5000	4800	97	0	4800	96	1
Nickel					500	460	91	0	450	91	1
Potassium					125000	120000	99	0	120000	98	0
Selenium					500	450	91	2	460	92	2
Silver					500	470	93	1	470	93	1
Sodium					250000	250000	101	1	250000	101	0
Thallium					500	490	98	2	490	98	1
Vanadium					500	490	98	0	490	99	1
Zinc					5000	4500	91	0	4500	91	1

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 Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9
 Initial Calibration Verification Source : MP84051
 Continuing Calibration Verification Source : MP84052
 Run Batch: LB134565 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV005				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					50000	48000	96	1			
Antimony					500	480	95	2			
Arsenic					500	470	93	1			
Barium					2500	2400	96	2			
Beryllium					500	460	92	3			
Cadmium					500	460	92	2			
Calcium					250000	240000	98	1			
Chromium					500	490	97	2			
Cobalt					500	480	96	0			
Copper					5000	4600	92	1			
Iron					125000	130000	101	1			
Lead					2500	2400	97	1			
Magnesium					250000	260000	105	1			
Manganese					5000	4800	96	1			
Nickel					500	450	91	1			
Potassium					125000	120000	98	0			
Selenium					500	460	92	0			
Silver					500	470	94	2			
Sodium					250000	250000	98	1			
Thallium					500	490	97	1			
Vanadium					500	490	98	0			
Zinc					5000	4500	90	1			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV004				ID: CCV015				ID: CCV016		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	500	470	94	0	50000	49000	98	1	49000	98	1
Antimony	200	210	104	1	500	500	101	1	510	103	1
Arsenic	200	210	104	0	500	490	98	1	500	99	0
Barium	100	100	100	1	2500	2500	101	1	2600	104	1
Beryllium	100	110	105	0	500	520	104	0	520	105	1
Cadmium	100	110	106	1	500	470	94	0	480	97	1
Calcium	2000	2100	107	1	250000	240000	95	1	240000	96	1
Chromium	100	100	104	1	500	500	100	0	500	101	1
Cobalt	100	100	104	0	500	490	98	1	500	99	1
Copper	100	100	104	0	5000	4800	95	1	4800	96	1
Iron	2000	2100	105	1	125000	120000	99	0	120000	99	1
Lead	200	190	97	1	2500	2600	103	0	2600	104	1
Magnesium	1200	1100	92	0	250000	240000	98	0	250000	98	1
Manganese	100	100	101	0	5000	5000	99	0	5000	100	1
Nickel	110	110	99	0	500	480	96	1	490	97	1
Potassium	2000	2000	99	0	125000	120000	97	0	120000	97	1
Selenium	200	220	108	0	500	470	95	1	490	98	0
Silver	50.0	50	100	0	500	490	99	1	500	100	1
Sodium	2000	1900	97	0	250000	240000	97	1	240000	98	2
Thallium	210	200	97	0	500	520	103	0	520	104	2
Vanadium	100	100	100	0	500	510	101	1	510	102	1
Zinc	200	200	101	0	5000	4700	95	0	4800	95	2

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV017				ID: CCV018		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					50000	49000	98	0	48000	97	0
Antimony					500	500	100	0	500	100	1
Arsenic					500	490	97	1	480	97	1
Barium					2500	2500	101	1	2500	101	1
Beryllium					500	500	101	0	500	101	0
Cadmium					500	470	94	1	470	94	1
Calcium					250000	240000	96	0	240000	95	1
Chromium					500	500	100	1	500	101	1
Cobalt					500	490	99	1	490	98	0
Copper					5000	4800	95	0	4700	95	0
Iron					125000	120000	99	0	120000	98	0
Lead					2500	2600	103	1	2600	102	0
Magnesium					250000	240000	97	1	240000	97	0
Manganese					5000	5000	100	0	5000	99	1
Nickel					500	480	96	0	480	96	0
Potassium					125000	120000	97	0	120000	96	0
Selenium					500	480	96	0	480	96	1
Silver					500	480	97	1	490	97	1
Sodium					250000	240000	98	1	240000	96	1
Thallium					500	510	103	2	520	103	1
Vanadium					500	510	101	0	510	101	0
Zinc					5000	4800	96	1	4700	95	1