

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD4A6Initial Calibration Verification Source : MP80931Continuing Calibration Verification Source : MP80934Run Batch: LB131456 Analytical Method: ICP-AESConcentration Units: $\mu\text{g/L}$

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV012				ID: CCV080				ID: CCV081		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	1000	950	95	0	5000	4900	99	0	4900	99	0
Arsenic	1000	950	95	1	5000	5100	103	0	5100	103	1
Barium	520	490	95	0	10000	10000	102	0	10000	101	0
Beryllium	510	510	99	0	500	500	99	0	480	96	0
Cadmium	510	480	94	0	2500	2500	99	0	2400	98	0
Chromium	520	540	104	0	15500	16000	100	0	15000	100	0
Cobalt	520	470	91	0	2500	2500	101	0	2500	101	0
Copper	510	520	101	1	15000	15000	102	0	15000	100	0
Lead	1000	950	95	0	25000	25000	100	0	25000	99	0
Manganese	520	520	101	0	15000	15000	100	0	15000	99	0
Molybdenum	5000	4900	97	0	5000	4900	98	0	4900	98	0
Nickel	530	480	91	0	2500	2500	101	0	2500	101	0
Selenium	1000	930	93	1	5000	4900	98	0	4900	98	0
Silver	250	230	92	0	1250	1300	102	0	1300	103	0
Thallium	1000	1000	102	1	5000	4900	99	0	4900	99	0
Vanadium	500	510	102	2	2500	2500	100	1	2500	99	0
Zinc	1000	920	92	1	15000	15000	101	1	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV082				ID: CCV083		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4900	99	0	4900	98	0
Arsenic					5000	5100	102	0	5100	102	0
Barium					10000	10000	100	0	9900	99	0
Beryllium					500	480	97	1	490	97	0
Cadmium					2500	2500	99	0	2500	99	0
Chromium					15500	15000	99	1	15000	99	0
Cobalt					2500	2500	101	0	2500	101	0
Copper					15000	15000	99	0	15000	98	0
Lead					25000	25000	99	0	25000	99	0
Manganese					15000	15000	98	0	15000	98	0
Molybdenum					5000	4900	98	0	4900	97	0
Nickel					2500	2500	101	0	2500	101	0
Selenium					5000	4900	98	0	4800	97	1
Silver					1250	1300	103	1	1300	103	0
Thallium					5000	4900	98	0	4900	98	1
Vanadium					2500	2400	98	1	2400	97	1
Zinc					15000	15000	99	1	15000	97	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV084				ID: CCV085		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4900	98	0	4900	97	0
Arsenic					5000	4900	99	1	4900	97	0
Barium					10000	9800	98	1	9800	98	0
Beryllium					500	490	99	1	500	100	0
Cadmium					2500	2500	101	0	2500	102	0
Chromium					15500	15000	99	1	15000	98	1
Cobalt					2500	2500	99	0	2500	98	0
Copper					15000	14000	96	1	14000	94	1
Lead					25000	25000	98	0	24000	98	0
Manganese					15000	14000	96	0	14000	96	0
Molybdenum					5000	4800	96	0	4800	95	0
Nickel					2500	2500	99	0	2400	98	0
Selenium					5000	4700	94	0	4600	92	0
Silver					1250	1300	105	1	1300	105	1
Thallium					5000	4800	96	0	4700	94	0
Vanadium					2500	2400	96	1	2400	95	0
Zinc					15000	14000	95	1	14000	91	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV086				ID: CCV087		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4900	97	0	4900	97	0
Arsenic					5000	5000	99	1	5000	100	1
Barium					10000	9900	99	0	9800	98	0
Beryllium					500	510	102	1	500	101	1
Cadmium					2500	2500	101	0	2500	100	0
Chromium					15500	15000	99	0	15000	99	0
Cobalt					2500	2500	99	0	2500	100	0
Copper					15000	14000	96	0	15000	97	0
Lead					25000	25000	99	0	25000	99	0
Manganese					15000	14000	96	0	14000	96	0
Molybdenum					5000	4800	96	0	4800	97	0
Nickel					2500	2500	99	0	2500	100	0
Selenium					5000	4700	94	0	4700	94	0
Silver					1250	1300	104	0	1300	104	0
Thallium					5000	4800	96	0	4800	96	1
Vanadium					2500	2400	96	0	2400	95	0
Zinc					15000	14000	91	1	15000	98	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV088				ID: CCV089		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4800	96	1	4900	98	0
Arsenic					5000	4900	97	0	5000	99	0
Barium					10000	9800	98	0	9900	99	0
Beryllium					500	510	102	0	510	102	0
Cadmium					2500	2500	99	0	2500	100	0
Chromium					15500	15000	99	0	15000	99	0
Cobalt					2500	2400	98	0	2500	99	0
Copper					15000	15000	99	1	15000	98	1
Lead					25000	24000	97	1	25000	98	1
Manganese					15000	14000	95	0	15000	100	1
Molybdenum					5000	4800	95	0	4800	97	0
Nickel					2500	2400	98	0	2500	99	0
Selenium					5000	4600	92	0	4700	94	1
Silver					1250	1300	104	0	1300	103	0
Thallium					5000	4700	94	0	4800	96	1
Vanadium					2500	2400	95	0	2500	101	1
Zinc					15000	15000	100	1	15000	97	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV090				ID: CCV091		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4900	98	0	4900	98	0
Arsenic					5000	5000	101	1	5000	99	1
Barium					10000	10000	100	0	10000	100	0
Beryllium					500	510	101	0	510	102	1
Cadmium					2500	2500	99	0	2500	99	0
Chromium					15500	15000	100	0	15000	99	0
Cobalt					2500	2500	100	0	2500	99	0
Copper					15000	15000	98	0	15000	98	1
Lead					25000	25000	100	0	25000	98	0
Manganese					15000	15000	100	0	15000	99	0
Molybdenum					5000	4900	97	0	4800	97	0
Nickel					2500	2500	101	0	2500	100	0
Selenium					5000	4800	96	0	4700	95	0
Silver					1250	1300	104	0	1300	103	0
Thallium					5000	4900	98	0	4800	97	1
Vanadium					2500	2500	101	0	2500	101	1
Zinc					15000	14000	96	0	14000	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV092				ID: CCV093		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4900	98	1	4900	99	0
Arsenic					5000	5000	99	1	5000	99	0
Barium					10000	10000	100	0	10000	101	1
Beryllium					500	510	101	1	520	104	1
Cadmium					2500	2500	100	0	2500	101	0
Chromium					15500	15000	99	1	15000	99	0
Cobalt					2500	2500	99	1	2500	99	0
Copper					15000	14000	96	1	15000	99	1
Lead					25000	25000	99	1	24000	98	0
Manganese					15000	15000	98	0	15000	100	1
Molybdenum					5000	4800	97	0	4800	96	0
Nickel					2500	2500	99	1	2500	99	0
Selenium					5000	4700	95	0	4700	94	0
Silver					1250	1300	102	1	1300	103	0
Thallium					5000	4800	96	1	4800	96	0
Vanadium					2500	2500	100	0	2600	102	1
Zinc					15000	14000	95	2	14000	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV094				ID: CCV095		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5000	99	0	5000	100	0
Arsenic					5000	4900	99	0	5000	99	1
Barium					10000	10000	101	0	10000	102	1
Beryllium					500	510	102	0	500	101	1
Cadmium					2500	2500	102	0	2500	102	0
Chromium					15500	15000	99	0	15000	99	0
Cobalt					2500	2500	99	0	2500	100	0
Copper					15000	14000	96	1	14000	96	1
Lead					25000	24000	98	0	25000	98	0
Manganese					15000	15000	98	0	14000	94	1
Molybdenum					5000	4800	96	0	4900	97	0
Nickel					2500	2500	99	0	2500	99	0
Selenium					5000	4700	94	0	4800	95	0
Silver					1250	1300	105	0	1300	105	0
Thallium					5000	4800	96	0	4800	96	0
Vanadium					2500	2500	100	0	2400	96	1
Zinc					15000	14000	95	1	14000	92	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV096				ID: CCV097		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5000	99	0	5000	101	0
Arsenic					5000	4900	98	0	5000	100	0
Barium					10000	10000	102	0	10000	103	0
Beryllium					500	500	101	0	510	102	1
Cadmium					2500	2500	101	0	2600	102	0
Chromium					15500	15000	98	0	15000	99	0
Cobalt					2500	2500	98	0	2500	100	0
Copper					15000	15000	98	1	15000	98	1
Lead					25000	24000	97	0	25000	98	0
Manganese					15000	15000	98	1	14000	94	0
Molybdenum					5000	4800	96	0	4900	97	0
Nickel					2500	2400	98	0	2500	99	0
Selenium					5000	4700	94	0	4800	96	0
Silver					1250	1300	104	0	1300	105	0
Thallium					5000	4700	95	0	4800	96	0
Vanadium					2500	2500	101	1	2400	96	0
Zinc					15000	15000	98	0	14000	96	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV098				ID: CCV099		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5000	99	0	5000	99	0
Arsenic					5000	4900	98	0	4900	99	1
Barium					10000	10000	103	0	10000	103	1
Beryllium					500	510	101	0	500	101	0
Cadmium					2500	2500	101	0	2500	101	0
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2500	99	0	2500	99	0
Copper					15000	15000	98	1	15000	99	1
Lead					25000	24000	97	0	24000	97	0
Manganese					15000	15000	98	0	14000	94	1
Molybdenum					5000	4800	96	0	4800	97	0
Nickel					2500	2400	98	0	2400	98	0
Selenium					5000	4700	95	0	4700	95	0
Silver					1250	1300	104	0	1300	104	1
Thallium					5000	4700	95	0	4700	95	0
Vanadium					2500	2500	100	0	2400	97	1
Zinc					15000	14000	96	1	14000	94	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV001				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5000	100	1			
Arsenic					5000	5000	99	0			
Barium					10000	10000	103	1			
Beryllium					500	500	101	1			
Cadmium					2500	2500	101	0			
Chromium					15500	15000	98	1			
Cobalt					2500	2500	99	0			
Copper					15000	15000	98	1			
Lead					25000	24000	97	0			
Manganese					15000	14000	93	1			
Molybdenum					5000	4800	97	0			
Nickel					2500	2500	98	0			
Selenium					5000	4800	96	1			
Silver					1250	1300	104	1			
Thallium					5000	4700	95	0			
Vanadium					2500	2400	96	1			
Zinc					15000	14000	93	1			