

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.: MYD5D0Initial Calibration Verification Source : MP80931Continuing Calibration Verification Source : MP80934Run Batch: LB131438 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV011				ID: CCV065				ID: CCV066		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	1000	1000	100	1	5000	5000	100	1	5000	100	0
Arsenic	1000	960	96	1	5000	5200	103	1	5200	103	1
Barium	520	500	95	1	10000	10000	102	0	10000	102	0
Beryllium	510	510	100	1	500	500	100	1	500	101	1
Cadmium	510	490	96	1	2500	2500	100	0	2500	100	0
Chromium	520	540	105	1	15500	16000	101	0	16000	100	0
Cobalt	520	480	93	1	2500	2600	102	0	2600	102	0
Copper	510	520	102	1	15000	15000	99	1	15000	101	1
Lead	1000	970	97	1	25000	25000	101	0	25000	101	0
Manganese	520	530	102	1	15000	15000	100	0	15000	100	0
Molybdenum	5000	4800	96	1	5000	5200	104	0	5100	101	0
Nickel	530	490	92	1	2500	2600	103	0	2600	103	0
Selenium	1000	950	95	1	5000	4900	98	1	4900	98	1
Silver	250	240	94	1	1250	1300	104	0	1300	104	0
Thallium	1000	1000	103	1	5000	5000	101	0	5000	101	0
Vanadium	500	510	103	1	2500	2500	100	1	2500	101	0
Zinc	1000	940	94	1	15000	15000	100	1	15000	99	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV067				ID: CCV068		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5100	101	0	5100	101	1
Arsenic					5000	5200	104	0	5300	107	1
Barium					10000	10000	103	0	10000	103	2
Beryllium					500	510	102	0	500	101	1
Cadmium					2500	2500	101	0	2500	99	1
Chromium					15500	16000	101	1	15000	99	1
Cobalt					2500	2600	103	0	2600	105	1
Copper					15000	15000	103	1	15000	103	2
Lead					25000	25000	101	0	26000	103	1
Manganese					15000	15000	101	0	15000	100	2
Molybdenum					5000	5000	100	0	5100	101	1
Nickel					2500	2600	104	0	2600	106	1
Selenium					5000	5000	99	0	5100	101	1
Silver					1250	1300	105	0	1300	103	1
Thallium					5000	5100	101	0	5200	104	1
Vanadium					2500	2500	101	0	2500	102	2
Zinc					15000	15000	98	1	15000	98	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV069				ID: CCV070		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5100	101	0	5100	101	1
Arsenic					5000	5400	107	0	5400	107	1
Barium					10000	10000	102	1	10000	103	0
Beryllium					500	500	101	1	520	104	0
Cadmium					2500	2400	98	0	2500	99	0
Chromium					15500	15000	100	0	16000	100	0
Cobalt					2500	2600	105	0	2600	106	1
Copper					15000	15000	102	2	15000	102	1
Lead					25000	26000	103	0	26000	104	1
Manganese					15000	15000	99	1	15000	100	0
Molybdenum					5000	5100	102	0	5100	102	1
Nickel					2500	2700	106	0	2700	107	1
Selenium					5000	5100	102	0	5000	101	0
Silver					1250	1300	104	0	1300	104	0
Thallium					5000	5200	105	0	5300	106	1
Vanadium					2500	2500	101	2	2500	101	1
Zinc					15000	14000	96	1	14000	93	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV071				ID: CCV072		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5000	101	0	5000	100	2
Arsenic					5000	5300	106	0	5200	104	2
Barium					10000	10000	103	1	10000	101	0
Beryllium					500	530	106	0	530	107	0
Cadmium					2500	2500	101	0	2600	102	2
Chromium					15500	16000	102	0	16000	104	1
Cobalt					2500	2600	105	0	2600	104	2
Copper					15000	15000	101	2	15000	99	0
Lead					25000	26000	104	0	26000	103	2
Manganese					15000	15000	100	1	15000	99	0
Molybdenum					5000	5100	101	0	5100	102	2
Nickel					2500	2700	106	0	2600	105	2
Selenium					5000	5000	100	0	4900	97	2
Silver					1250	1300	106	1	1300	108	1
Thallium					5000	5200	104	0	5100	102	2
Vanadium					2500	2500	100	1	2500	99	1
Zinc					15000	14000	92	2	14000	92	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV073				ID: CCV074		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5000	99	0	4900	98	0
Arsenic					5000	5300	106	0	5300	105	0
Barium					10000	10000	100	0	10000	100	1
Beryllium					500	540	108	1	530	106	1
Cadmium					2500	2500	100	0	2500	99	0
Chromium					15500	16000	101	0	16000	100	0
Cobalt					2500	2600	105	0	2600	104	0
Copper					15000	15000	99	0	15000	97	2
Lead					25000	26000	104	0	26000	103	0
Manganese					15000	15000	99	0	15000	99	1
Molybdenum					5000	5100	101	0	5000	100	0
Nickel					2500	2700	106	0	2600	106	0
Selenium					5000	4900	99	0	4900	98	0
Silver					1250	1300	103	1	1300	104	0
Thallium					5000	5200	104	0	5200	104	0
Vanadium					2500	2500	100	1	2500	99	2
Zinc					15000	14000	94	1	14000	92	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV075				ID: CCV076		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4900	98	1	4900	99	0
Arsenic					5000	5300	106	1	5400	108	1
Barium					10000	9900	99	1	10000	100	0
Beryllium					500	530	106	2	530	105	1
Cadmium					2500	2400	98	1	2400	98	0
Chromium					15500	16000	101	1	16000	101	1
Cobalt					2500	2600	105	1	2600	106	0
Copper					15000	15000	100	1	15000	101	0
Lead					25000	26000	104	1	26000	105	0
Manganese					15000	15000	98	1	15000	98	0
Molybdenum					5000	5000	100	1	5100	101	0
Nickel					2500	2700	106	1	2700	108	0
Selenium					5000	4900	98	1	5000	100	0
Silver					1250	1300	105	1	1300	104	1
Thallium					5000	5200	105	1	5300	107	0
Vanadium					2500	2500	98	1	2500	99	0
Zinc					15000	15000	101	1	15000	100	2

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV077				ID: CCV078		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4800	97	0	4900	98	0
Arsenic					5000	5300	105	0	5400	108	0
Barium					10000	9800	98	0	10000	100	0
Beryllium					500	530	106	1	520	105	1
Cadmium					2500	2400	96	0	2400	96	0
Chromium					15500	15000	99	0	15000	99	1
Cobalt					2500	2600	104	0	2700	106	0
Copper					15000	15000	100	1	15000	100	0
Lead					25000	26000	104	0	26000	105	0
Manganese					15000	14000	97	1	14000	96	0
Molybdenum					5000	5000	100	0	5000	101	0
Nickel					2500	2700	107	0	2700	109	0
Selenium					5000	4900	98	0	5000	100	0
Silver					1250	1300	102	0	1300	103	0
Thallium					5000	5200	105	0	5400	107	1
Vanadium					2500	2400	97	1	2400	97	0
Zinc					15000	15000	97	0	15000	97	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV079				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4800	97	0			
Arsenic					5000	5300	106	0			
Barium					10000	9800	98	2			
Beryllium					500	530	106	3			
Cadmium					2500	2400	96	0			
Chromium					15500	15000	100	0			
Cobalt					2500	2600	105	0			
Copper					15000	15000	100	3			
Lead					25000	26000	104	0			
Manganese					15000	14000	96	3			
Molybdenum					5000	5000	100	0			
Nickel					2500	2700	107	0			
Selenium					5000	4900	98	0			
Silver					1250	1300	103	0			
Thallium					5000	5300	105	0			
Vanadium					2500	2400	97	3			
Zinc					15000	14000	96	0			

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	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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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD5D0Initial 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:				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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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYD5D0Initial 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:				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:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	4900	98	0			
Arsenic					5000	5000	101	1			
Barium					10000	10000	100	0			
Beryllium					500	510	101	0			
Cadmium					2500	2500	99	0			
Chromium					15500	15000	100	0			
Cobalt					2500	2500	100	0			
Copper					15000	15000	98	0			
Lead					25000	25000	100	0			
Manganese					15000	15000	100	0			
Molybdenum					5000	4900	97	0			
Nickel					2500	2500	101	0			
Selenium					5000	4800	96	0			
Silver					1250	1300	104	0			
Thallium					5000	4900	98	0			
Vanadium					2500	2500	101	0			
Zinc					15000	14000	96	0			