

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.: MYD4Q8Initial Calibration Verification Source : MP80931Continuing Calibration Verification Source : MP80934Run Batch: LB131424 Analytical Method: ICP-AESConcentration Units: $\mu\text{g/L}$

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV010				ID: CCV060				ID: CCV061		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	1000	960	96	1	5000	4900	98	0	5000	99	0
Arsenic	1000	940	94	0	5000	5100	101	1	5100	103	0
Barium	520	490	95	1	10000	10000	103	0	10000	103	0
Beryllium	510	500	99	1	500	500	100	1	490	99	0
Cadmium	510	480	95	0	2500	2500	99	0	2400	97	0
Chromium	520	540	104	0	15500	15000	99	0	15000	98	0
Cobalt	520	470	91	0	2500	2500	100	0	2500	100	0
Copper	510	510	101	1	15000	15000	102	0	15000	102	0
Lead	1000	960	96	0	25000	25000	99	0	25000	99	0
Manganese	520	530	101	1	15000	15000	101	0	15000	100	0
Molybdenum	5000	4700	95	0	5000	4900	98	0	4900	98	0
Nickel	530	480	91	0	2500	2500	101	0	2500	101	0
Selenium	1000	940	94	1	5000	4800	96	1	4900	98	0
Silver	250	230	92	0	1250	1300	102	1	1300	102	0
Thallium	1000	1000	102	0	5000	4900	98	0	5000	99	0
Vanadium	500	510	102	2	2500	2500	101	0	2500	100	0
Zinc	1000	930	93	1	15000	15000	99	1	15000	100	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV062				ID: CCV063		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5100	101	0	5100	102	1
Arsenic					5000	5300	105	1	5200	104	1
Barium					10000	10000	104	0	10000	103	4
Beryllium					500	490	98	0	480	95	4
Cadmium					2500	2400	97	0	2400	96	1
Chromium					15500	15000	98	1	15000	98	0
Cobalt					2500	2600	102	0	2500	101	1
Copper					15000	15000	103	0	15000	101	4
Lead					25000	25000	101	0	25000	100	1
Manganese					15000	15000	100	0	15000	97	4
Molybdenum					5000	5000	101	0	5000	101	1
Nickel					2500	2600	103	0	2600	102	1
Selenium					5000	5100	102	0	5100	102	1
Silver					1250	1300	102	1	1300	103	0
Thallium					5000	5100	102	1	5100	101	1
Vanadium					2500	2500	101	0	2500	98	4
Zinc					15000	15000	100	0	15000	100	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV064				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					5000	5100	103	0			
Arsenic					5000	5200	105	1			
Barium					10000	10000	104	2			
Beryllium					500	480	96	2			
Cadmium					2500	2400	96	0			
Chromium					15500	15000	98	0			
Cobalt					2500	2500	102	0			
Copper					15000	15000	102	2			
Lead					25000	25000	100	0			
Manganese					15000	15000	97	2			
Molybdenum					5000	5100	101	0			
Nickel					2500	2600	103	0			
Selenium					5000	5100	102	0			
Silver					1250	1300	103	0			
Thallium					5000	5100	102	0			
Vanadium					2500	2500	100	2			
Zinc					15000	15000	99	0			

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	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

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Concentration 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

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Concentration 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