

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28Q6
 Initial Calibration Verification Source : MP83629
 Continuing Calibration Verification Source : MP83632
 Run Batch: LB134068 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV007				ID: CCV041				ID: CCV042		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	210	106	1	500	500	99	6	510	102	1
Arsenic	200	220	109	1	500	500	101	0	490	99	1
Barium	100	100	102	0	2500	2500	102	6	2600	104	1
Beryllium	100	110	107	2	500	510	101	6	500	101	2
Cadmium	100	110	108	1	500	470	94	6	480	96	1
Chromium	100	100	104	1	500	510	101	0	510	101	1
Cobalt	100	100	102	0	500	490	98	1	490	98	1
Copper	100	97	97	0	5000	4800	96	1	4900	97	1
Lead	200	190	97	0	2500	2500	102	6	2600	102	1
Manganese	100	100	101	0	5000	5000	100	1	5000	100	0
Nickel	110	100	95	0	500	470	94	1	470	94	1
Selenium	200	220	109	1	500	480	96	6	490	97	2
Silver	50.0	52	103	1	500	490	98	5	500	100	2
Thallium	210	200	94	0	500	510	102	5	510	102	1
Vanadium	100	100	101	0	500	510	102	0	520	103	1
Zinc	200	200	99	1	5000	4700	95	1	4800	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV043				ID: CCV044		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	510	101	1	490	98	3
Arsenic					500	500	101	0	480	97	1
Barium					2500	2600	104	1	2500	100	3
Beryllium					500	500	99	1	480	95	1
Cadmium					500	480	96	0	460	92	3
Chromium					500	510	103	1	490	99	1
Cobalt					500	500	100	0	480	97	0
Copper					5000	4900	97	0	4700	94	0
Lead					2500	2600	103	1	2500	100	3
Manganese					5000	5100	102	0	4900	98	1
Nickel					500	470	94	0	460	92	1
Selenium					500	480	97	1	470	93	3
Silver					500	500	100	1	480	96	1
Thallium					500	520	103	1	500	100	4
Vanadium					500	520	104	1	500	101	0
Zinc					5000	4800	96	0	4600	93	0

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 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV045				ID: CCV046		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	480	96	2	480	97	0
Arsenic					500	470	95	0	480	97	1
Barium					2500	2400	98	3	2400	97	0
Beryllium					500	480	96	3	470	95	1
Cadmium					500	450	90	3	450	91	0
Chromium					500	500	99	2	500	99	1
Cobalt					500	490	98	1	490	98	1
Copper					5000	4800	96	1	4800	96	1
Lead					2500	2400	98	3	2500	99	2
Manganese					5000	4900	99	1	4900	99	1
Nickel					500	460	92	1	460	92	0
Selenium					500	460	93	3	470	95	1
Silver					500	480	95	1	480	95	1
Thallium					500	490	98	2	500	99	2
Vanadium					500	500	101	1	500	100	0
Zinc					5000	4700	95	1	4800	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV047				ID: CCV048		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	98	2	480	96	4
Arsenic					500	470	95	1	480	96	1
Barium					2500	2500	99	3	2400	97	4
Beryllium					500	500	99	3	480	96	4
Cadmium					500	460	92	3	450	90	4
Chromium					500	490	99	1	500	99	0
Cobalt					500	490	97	1	490	98	1
Copper					5000	4700	95	0	4800	96	0
Lead					2500	2500	100	3	2500	99	3
Manganese					5000	4900	98	1	4900	98	0
Nickel					500	460	91	0	460	93	0
Selenium					500	470	94	5	470	94	3
Silver					500	480	96	2	470	95	3
Thallium					500	500	101	2	500	100	4
Vanadium					500	500	99	2	500	100	1
Zinc					5000	4700	94	1	4700	95	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV049				ID: CCV050		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	97	1	490	97	1
Arsenic					500	480	96	1	470	94	0
Barium					2500	2500	99	1	2500	98	0
Beryllium					500	480	96	1	480	96	1
Cadmium					500	460	92	1	450	91	1
Chromium					500	500	99	2	500	100	1
Cobalt					500	490	98	0	500	99	1
Copper					5000	4800	96	0	4900	98	0
Lead					2500	2500	99	1	2500	99	1
Manganese					5000	4900	97	0	4900	98	1
Nickel					500	460	93	0	470	94	0
Selenium					500	470	94	1	470	94	1
Silver					500	480	97	1	480	96	1
Thallium					500	500	100	2	500	100	2
Vanadium					500	510	101	1	510	101	1
Zinc					5000	4700	94	1	4800	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV051				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	480	95	1			
Arsenic					500	470	94	1			
Barium					2500	2400	97	0			
Beryllium					500	480	96	1			
Cadmium					500	450	90	1			
Chromium					500	510	101	1			
Cobalt					500	490	99	0			
Copper					5000	4900	97	0			
Lead					2500	2500	98	1			
Manganese					5000	4900	98	1			
Nickel					500	470	93	1			
Selenium					500	470	94	1			
Silver					500	480	95	2			
Thallium					500	490	99	1			
Vanadium					500	510	102	1			
Zinc					5000	4800	96	0			