

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28Y6Initial Calibration Verification Source : MP83629Continuing Calibration Verification Source : MP83632Run Batch: LB134096 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
Antimony	200	210	106	1	500	480	96	2	500	99	1
Arsenic	200	220	109	0	500	490	98	0	510	101	0
Barium	100	110	106	2	2500	2400	97	2	2500	98	1
Beryllium	100	100	104	1	500	470	94	2	500	100	1
Cadmium	100	110	110	1	500	460	93	2	480	96	0
Chromium	100	110	106	0	500	490	98	1	500	100	1
Cobalt	100	110	108	0	500	490	98	1	490	98	1
Copper	100	100	103	1	5000	4700	95	1	4800	95	1
Lead	200	200	100	1	2500	2500	99	2	2500	99	0
Manganese	100	100	104	0	5000	4900	99	1	4900	97	1
Nickel	110	110	99	0	500	470	94	1	470	94	1
Selenium	200	220	110	1	500	470	93	2	470	94	1
Silver	50.0	53	106	1	500	470	94	2	480	96	0
Thallium	210	200	95	0	500	500	100	2	500	100	1
Vanadium	100	100	103	1	500	500	101	1	500	101	1
Zinc	200	210	107	0	5000	4700	93	1	4800	96	1

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28Y6
 Initial Calibration Verification Source : MP83629
 Continuing Calibration Verification Source : MP83632
 Run Batch: LB134096 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV003				ID: CCV004		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	480	96	5	490	98	3
Arsenic					500	510	101	1	500	100	2
Barium					2500	2400	96	5	2400	97	3
Beryllium					500	490	98	6	490	98	3
Cadmium					500	460	93	5	470	95	4
Chromium					500	510	101	1	490	99	0
Cobalt					500	490	99	1	490	98	0
Copper					5000	4800	97	1	4800	96	1
Lead					2500	2400	96	6	2500	98	4
Manganese					5000	4900	99	1	4900	97	1
Nickel					500	480	95	0	470	95	1
Selenium					500	450	90	6	460	92	3
Silver					500	470	95	4	480	96	3
Thallium					500	490	97	5	500	100	4
Vanadium					500	510	101	1	500	101	1
Zinc					5000	4800	96	1	4800	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV005				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	97	3			
Arsenic					500	500	100	1			
Barium					2500	2400	97	3			
Beryllium					500	490	98	4			
Cadmium					500	470	93	3			
Chromium					500	500	100	1			
Cobalt					500	500	100	0			
Copper					5000	4900	98	1			
Lead					2500	2500	99	3			
Manganese					5000	5000	100	0			
Nickel					500	480	97	0			
Selenium					500	460	93	3			
Silver					500	470	93	2			
Thallium					500	500	99	2			
Vanadium					500	510	101	0			
Zinc					5000	4900	98	1			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV002				ID: CCV011				ID: CCV012		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	220	108	1	500	500	99	0	500	100	1
Arsenic	200	220	109	1	500	490	99	1	490	98	1
Barium	100	100	104	2	2500	2500	101	1	2500	101	1
Beryllium	100	110	107	2	500	490	99	0	500	99	0
Cadmium	100	100	105	1	500	480	95	1	480	95	1
Chromium	100	100	105	1	500	500	99	1	500	100	1
Cobalt	100	110	105	0	500	490	98	0	490	99	1
Copper	100	100	101	0	5000	4800	96	0	4800	96	1
Lead	200	200	101	1	2500	2600	103	1	2600	103	1
Manganese	100	100	102	0	5000	5000	99	0	5000	99	0
Nickel	110	110	98	0	500	470	93	1	470	94	0
Selenium	200	220	108	1	500	480	96	1	480	96	1
Silver	50.0	52	104	1	500	490	97	1	490	97	2
Thallium	210	210	98	1	500	520	104	1	520	104	1
Vanadium	100	100	101	1	500	510	102	1	510	101	1
Zinc	200	210	105	1	5000	4700	95	0	4700	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV013				ID: CCV014		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	100	1	500	99	1
Arsenic					500	490	99	1	490	99	0
Barium					2500	2500	101	1	2500	101	2
Beryllium					500	490	97	1	490	97	0
Cadmium					500	480	95	1	470	95	2
Chromium					500	510	101	1	500	100	0
Cobalt					500	490	98	0	500	100	0
Copper					5000	4800	97	0	4900	97	0
Lead					2500	2600	102	1	2600	102	2
Manganese					5000	5000	100	0	4900	99	0
Nickel					500	470	95	0	470	95	1
Selenium					500	490	97	0	480	97	1
Silver					500	490	97	1	490	98	1
Thallium					500	520	103	1	520	104	3
Vanadium					500	510	102	1	510	103	1
Zinc					5000	4700	95	1	4800	96	1

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 Continuing Calibration Verification Source : MP83632
 Run Batch: LB134112 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV015				ID: CCV016		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	99	1	500	99	3
Arsenic					500	490	99	2	500	99	0
Barium					2500	2500	99	1	2500	101	2
Beryllium					500	480	96	1	510	102	0
Cadmium					500	470	93	1	470	94	2
Chromium					500	510	102	0	510	102	0
Cobalt					500	500	100	0	500	100	0
Copper					5000	4900	99	0	4900	99	1
Lead					2500	2600	104	0	2500	102	3
Manganese					5000	5000	100	0	5000	100	0
Nickel					500	480	96	0	480	95	1
Selenium					500	480	97	1	480	95	2
Silver					500	480	96	2	490	99	1
Thallium					500	520	105	1	520	104	3
Vanadium					500	510	102	2	510	103	1
Zinc					5000	4900	97	1	4800	97	0

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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
Antimony					500	500	101	1	490	98	0
Arsenic					500	490	99	1	490	98	1
Barium					2500	2500	101	0	2500	100	1
Beryllium					500	520	105	1	490	98	2
Cadmium					500	470	95	0	470	94	0
Chromium					500	510	102	1	500	100	2
Cobalt					500	500	100	1	500	100	1
Copper					5000	4900	98	0	4900	98	0
Lead					2500	2600	103	1	2600	103	2
Manganese					5000	5000	100	1	5000	100	0
Nickel					500	480	95	1	480	96	1
Selenium					500	480	97	2	480	97	0
Silver					500	490	98	1	480	97	1
Thallium					500	520	105	1	520	104	2
Vanadium					500	520	104	2	520	103	1
Zinc					5000	4900	97	1	4800	97	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV019				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	98	1			
Arsenic					500	490	97	1			
Barium					2500	2500	99	2			
Beryllium					500	480	97	1			
Cadmium					500	470	94	1			
Chromium					500	500	100	0			
Cobalt					500	500	99	1			
Copper					5000	4900	98	1			
Lead					2500	2500	101	1			
Manganese					5000	4900	99	1			
Nickel					500	480	95	1			
Selenium					500	480	95	1			
Silver					500	480	96	2			
Thallium					500	510	102	0			
Vanadium					500	510	102	0			
Zinc					5000	4800	96	1			