

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYE442
 Initial Calibration Verification Source : MP82578
 Continuing Calibration Verification Source : MP82579
 Run Batch: LB132901 Analytical Method: ICP-MS
 Concentration 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	190	96	1	500	530	105	1	530	105	2
Arsenic	200	200	102	1	500	520	104	0	510	102	1
Barium	100	94	94	0	2500	2600	106	1	2700	107	1
Beryllium	100	110	107	2	500	540	109	1	520	104	5
Cadmium	100	110	107	0	500	520	103	1	520	103	1
Chromium	100	100	102	1	500	510	103	1	520	104	1
Cobalt	100	100	103	1	500	520	104	1	530	106	0
Copper	100	98	98	0	5000	5000	101	0	5200	103	1
Lead	200	200	101	1	2500	2700	107	0	2700	108	1
Nickel	110	110	99	2	500	510	102	1	520	103	1
Selenium	200	210	106	0	500	510	101	1	500	100	2
Silver	50.0	49	99	1	500	510	103	1	510	103	2
Thallium	210	220	106	2	500	530	107	0	550	109	1
Vanadium	100	99	99	1	500	520	105	1	530	106	1
Zinc	200	200	100	0	5000	5000	100	1	5100	102	2

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	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	520	104	0	510	102	1
Arsenic					500	500	100	1	510	102	1
Barium					2500	2600	105	1	2600	103	0
Beryllium					500	500	101	1	500	100	1
Cadmium					500	500	100	0	490	97	0
Chromium					500	510	103	1	520	105	1
Cobalt					500	510	101	1	510	103	1
Copper					5000	5100	102	1	5300	105	2
Lead					2500	2700	107	2	2700	107	0
Nickel					500	510	102	1	520	104	2
Selenium					500	500	99	1	490	98	1
Silver					500	510	101	0	490	99	0
Thallium					500	540	108	3	540	107	0
Vanadium					500	520	105	1	530	107	1
Zinc					5000	4800	96	1	4900	98	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV005				ID: CCV006		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	510	103	2	480	96	6
Arsenic					500	510	101	0	490	97	0
Barium					2500	2600	104	1	2400	98	5
Beryllium					500	500	101	0	480	96	4
Cadmium					500	490	97	1	450	90	5
Chromium					500	520	105	0	510	101	1
Cobalt					500	510	102	0	490	98	1
Copper					5000	5300	105	0	5100	101	2
Lead					2500	2700	109	1	2600	103	6
Nickel					500	520	105	1	500	100	1
Selenium					500	490	98	1	460	91	6
Silver					500	500	99	1	470	93	6
Thallium					500	540	107	1	520	103	6
Vanadium					500	530	107	0	520	103	1
Zinc					5000	4900	98	0	4700	94	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV007				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	480	96	1			
Arsenic					500	490	98	0			
Barium					2500	2500	100	0			
Beryllium					500	490	97	0			
Cadmium					500	450	91	1			
Chromium					500	510	103	1			
Cobalt					500	500	101	1			
Copper					5000	5200	104	1			
Lead					2500	2600	105	0			
Nickel					500	510	102	0			
Selenium					500	470	94	1			
Silver					500	470	93	1			
Thallium					500	520	105	0			
Vanadium					500	520	104	1			
Zinc					5000	4800	97	1			

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 Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYE442
 Initial Calibration Verification Source : MP82578
 Continuing Calibration Verification Source : MP82579
 Run Batch: LB132969 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV023				ID: CCV083				ID: CCV084		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	190	96	1	500	470	95	2	480	95	3
Arsenic	200	210	106	1	500	500	101	1	500	100	1
Barium	100	95	95	0	2500	2400	95	2	2400	96	2
Beryllium	100	100	101	0	500	480	96	0	480	96	1
Cadmium	100	100	103	1	500	460	91	1	460	92	2
Chromium	100	110	109	1	500	520	103	0	520	104	1
Cobalt	100	110	107	1	500	490	99	1	500	100	1
Copper	100	110	106	1	5000	4800	97	0	4900	99	1
Lead	200	200	100	1	2500	2500	99	2	2500	99	1
Nickel	110	120	105	2	500	490	97	0	490	99	1
Selenium	200	210	105	2	500	460	92	0	460	91	1
Silver	50.0	50	100	2	500	460	92	1	470	93	3
Thallium	210	200	96	2	500	500	99	1	500	101	1
Vanadium	100	100	101	2	500	510	101	0	510	103	1
Zinc	200	220	109	1	5000	4800	96	1	4900	98	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV085				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	470	95	1			
Arsenic					500	500	99	1			
Barium					2500	2400	95	1			
Beryllium					500	480	95	0			
Cadmium					500	480	95	2			
Chromium					500	520	104	0			
Cobalt					500	500	100	1			
Copper					5000	5000	100	2			
Lead					2500	2500	98	1			
Nickel					500	490	98	1			
Selenium					500	490	98	1			
Silver					500	460	92	1			
Thallium					500	500	99	1			
Vanadium					500	510	102	1			
Zinc					5000	4900	98	1			

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51495 MA No. : SDG No.: MYE442Initial Calibration Verification Source : MP82578Continuing Calibration Verification Source : MP82579Run Batch: LB132992 Analytical Method: ICP-MSConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV024				ID: CCV088				ID: CCV089		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	200	99	1	500	490	98	1	480	96	3
Arsenic	200	200	99	6	500	460	91	3	450	91	1
Barium	100	96	96	1	2500	2400	97	1	2400	96	2
Beryllium	100	100	101	1	500	490	97	1	480	97	2
Cadmium	100	110	110	1	500	470	95	1	460	93	3
Chromium	100	100	103	6	500	470	94	3	460	93	1
Cobalt	100	100	102	5	500	500	100	3	490	99	0
Copper	100	97	97	5	5000	4900	98	2	4800	97	2
Lead	200	190	94	2	2500	2500	99	1	2400	98	2
Nickel	110	100	95	5	500	490	99	2	490	97	0
Selenium	200	210	103	1	500	470	94	1	460	92	2
Silver	50.0	51	102	1	500	480	95	2	460	93	2
Thallium	210	210	101	1	500	490	99	2	490	98	2
Vanadium	100	96	96	5	500	470	93	3	460	91	1
Zinc	200	200	99	6	5000	4800	97	3	4800	95	0

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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					500	490	99	1	490	98	1
Arsenic					500	460	92	1	480	96	4
Barium					2500	2500	99	1	2500	99	2
Beryllium					500	490	99	1	500	100	1
Cadmium					500	480	95	0	470	95	2
Chromium					500	480	95	1	490	99	5
Cobalt					500	500	100	1	520	103	6
Copper					5000	4900	98	2	5100	101	6
Lead					2500	2500	101	1	2500	100	1
Nickel					500	490	98	2	510	102	6
Selenium					500	470	95	2	470	93	2
Silver					500	480	96	1	480	96	2
Thallium					500	510	101	1	500	101	2
Vanadium					500	470	94	1	490	97	5
Zinc					5000	4800	96	1	5000	99	6

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV092				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	100	2			
Arsenic					500	460	91	1			
Barium					2500	2500	99	2			
Beryllium					500	500	101	1			
Cadmium					500	470	94	1			
Chromium					500	480	95	0			
Cobalt					500	500	100	1			
Copper					5000	4900	99	1			
Lead					2500	2500	100	1			
Nickel					500	490	99	0			
Selenium					500	470	93	1			
Silver					500	480	96	1			
Thallium					500	510	101	2			
Vanadium					500	470	94	0			
Zinc					5000	4900	97	1			