

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZ59
 Initial Calibration Verification Source : MP83629
 Continuing Calibration Verification Source : MP83632
 Run Batch: LB133948 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	220	108	1	500	510	102	1	530	105	3
Arsenic	200	220	109	4	500	500	100	0	490	99	0
Barium	100	110	107	0	2500	2600	104	0	2700	107	3
Beryllium	100	110	105	1	500	500	99	3	520	103	7
Cadmium	100	110	110	1	500	510	102	1	530	106	3
Chromium	100	110	109	4	500	500	100	1	490	99	0
Cobalt	100	110	110	4	500	500	99	2	500	99	0
Copper	100	100	105	4	5000	4800	96	1	4800	96	1
Lead	200	210	107	0	2500	2600	105	0	2700	108	4
Nickel	110	120	109	5	500	530	106	1	530	105	0
Selenium	200	220	109	0	500	500	100	1	520	103	4
Silver	50.0	54	107	0	500	510	102	0	530	106	3
Thallium	210	220	102	0	500	520	105	1	550	109	3
Vanadium	100	100	104	5	500	500	101	1	500	100	1
Zinc	200	210	107	4	5000	5000	100	1	5000	100	1

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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	500	100	1	520	103	0
Arsenic					500	490	98	1	510	103	0
Barium					2500	2500	101	1	2600	105	0
Beryllium					500	490	98	1	510	102	1
Cadmium					500	500	101	2	530	106	1
Chromium					500	490	98	1	500	100	0
Cobalt					500	490	98	1	490	99	1
Copper					5000	4700	95	1	4800	96	0
Lead					2500	2600	103	1	2600	105	1
Nickel					500	520	104	0	510	102	0
Selenium					500	490	99	1	520	104	1
Silver					500	500	101	1	530	106	0
Thallium					500	520	104	1	540	107	1
Vanadium					500	500	99	0	500	101	0
Zinc					5000	4900	99	0	4900	99	0

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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	500	100	3	510	101	1
Arsenic					500	510	102	0	510	101	0
Barium					2500	2500	102	3	2600	103	2
Beryllium					500	490	97	2	490	99	1
Cadmium					500	520	105	3	520	105	1
Chromium					500	500	100	1	500	99	1
Cobalt					500	490	98	0	490	98	1
Copper					5000	4800	95	0	4800	95	1
Lead					2500	2600	103	3	2600	104	1
Nickel					500	510	102	0	510	102	0
Selenium					500	500	101	3	500	101	2
Silver					500	520	103	3	520	104	1
Thallium					500	520	104	3	530	106	2
Vanadium					500	510	101	1	500	100	1
Zinc					5000	4900	97	0	4900	99	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	510	101	0			
Arsenic					500	500	100	1			
Barium					2500	2600	103	1			
Beryllium					500	500	100	1			
Cadmium					500	520	105	1			
Chromium					500	490	98	1			
Cobalt					500	490	97	1			
Copper					5000	4900	98	0			
Lead					2500	2600	105	0			
Nickel					500	490	99	0			
Selenium					500	510	103	1			
Silver					500	520	105	0			
Thallium					500	530	106	0			
Vanadium					500	500	100	1			
Zinc					5000	5000	101	0			

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 Initial Calibration Verification Source : MP83629
 Continuing Calibration Verification Source : MP83632
 Run Batch: LB134025 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV003				ID: CCV021				ID: CCV022		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	220	110	2	500	510	102	2	510	102	0
Arsenic	200	220	109	0	500	530	106	1	500	100	0
Barium	100	110	106	1	2500	2600	103	2	2600	103	1
Beryllium	100	110	105	2	500	490	99	2	490	98	1
Cadmium	100	110	110	1	500	520	104	3	490	99	1
Chromium	100	110	106	0	500	510	102	0	510	102	0
Cobalt	100	110	106	1	500	500	99	1	500	100	1
Copper	100	100	102	0	5000	4900	97	0	4800	96	0
Lead	200	210	103	0	2500	2600	104	1	2600	103	1
Nickel	110	110	98	1	500	480	95	0	480	95	0
Selenium	200	210	107	0	500	510	103	2	490	98	0
Silver	50.0	54	109	2	500	530	105	1	500	100	0
Thallium	210	210	99	1	500	530	106	2	520	105	1
Vanadium	100	100	102	0	500	520	103	1	510	103	1
Zinc	200	200	102	0	5000	4800	96	0	4700	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV023				ID: CCV024		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	99	2	500	100	1
Arsenic					500	500	100	1	500	101	1
Barium					2500	2500	100	3	2500	100	1
Beryllium					500	490	97	3	490	99	2
Cadmium					500	470	95	3	490	99	2
Chromium					500	510	101	1	500	101	1
Cobalt					500	500	100	1	500	100	0
Copper					5000	4800	96	1	4800	96	0
Lead					2500	2600	102	2	2600	103	0
Nickel					500	470	95	1	480	95	1
Selenium					500	480	96	3	480	96	0
Silver					500	490	98	2	500	100	1
Thallium					500	520	104	2	520	105	0
Vanadium					500	510	102	1	510	103	1
Zinc					5000	4800	96	1	4800	96	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV025				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	101	1			
Arsenic					500	490	97	1			
Barium					2500	2500	101	0			
Beryllium					500	480	96	1			
Cadmium					500	480	97	3			
Chromium					500	500	100	1			
Cobalt					500	490	97	1			
Copper					5000	4700	94	1			
Lead					2500	2500	102	0			
Nickel					500	460	92	0			
Selenium					500	470	94	1			
Silver					500	500	100	0			
Thallium					500	520	103	0			
Vanadium					500	500	101	0			
Zinc					5000	4600	93	1			