

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51772 MA No. : SDG No.: MYDB12
 Initial Calibration Verification Source : MP82578
 Continuing Calibration Verification Source : MP82579
 Run Batch: LB133179 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV003				ID: CCV018				ID: CCV019		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	190	97	1	500	460	92	1	470	93	1
Arsenic	200	200	101	2	500	490	99	0	510	101	0
Barium	100	94	94	1	2500	2300	94	1	2400	96	0
Beryllium	100	110	108	1	500	490	99	1	510	103	1
Cadmium	100	100	104	2	500	490	98	2	490	98	1
Chromium	100	100	101	1	500	470	93	1	480	96	1
Cobalt	100	100	101	1	500	500	101	0	510	103	1
Copper	100	94	94	1	5000	4800	97	1	4900	98	1
Lead	200	180	92	1	2500	2300	94	1	2400	96	2
Nickel	110	100	94	0	500	490	98	1	500	100	1
Selenium	200	210	106	2	500	500	100	0	500	100	1
Silver	50.0	48	97	2	500	480	97	2	490	98	1
Thallium	210	210	102	1	500	470	94	3	480	95	1
Vanadium	100	97	97	1	500	460	92	0	480	97	0
Zinc	200	190	97	1	5000	4800	97	1	5000	100	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV020				ID: CCV021		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	470	94	1	460	93	2
Arsenic					500	510	101	1	500	100	2
Barium					2500	2400	96	1	2400	95	1
Beryllium					500	520	104	1	520	104	0
Cadmium					500	490	99	1	490	97	2
Chromium					500	490	98	1	480	96	1
Cobalt					500	520	103	1	520	103	0
Copper					5000	5000	100	1	4900	99	1
Lead					2500	2400	96	1	2400	97	2
Nickel					500	510	101	1	500	101	0
Selenium					500	500	100	0	490	98	1
Silver					500	490	98	1	490	98	1
Thallium					500	480	96	1	480	97	1
Vanadium					500	490	97	2	480	96	0
Zinc					5000	5000	100	1	5000	100	1

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 Run Batch: LB133179 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV022				ID: CCV023		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	460	92	1	450	91	1
Arsenic					500	500	99	1	490	99	1
Barium					2500	2300	94	1	2400	94	1
Beryllium					500	500	100	1	500	99	0
Cadmium					500	480	96	1	480	96	1
Chromium					500	470	94	1	480	96	1
Cobalt					500	510	102	0	530	105	1
Copper					5000	4900	98	0	5000	100	1
Lead					2500	2400	96	2	2400	95	1
Nickel					500	500	100	0	510	102	1
Selenium					500	500	99	2	490	98	1
Silver					500	480	96	1	480	96	1
Thallium					500	480	96	1	480	95	1
Vanadium					500	470	95	1	480	96	1
Zinc					5000	5000	100	1	5100	101	1

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 Run Batch: LB133179 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV024				ID: CCV025		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	460	92	1	470	95	0
Arsenic					500	490	98	1	500	100	1
Barium					2500	2300	94	1	2400	96	1
Beryllium					500	500	100	1	520	103	1
Cadmium					500	480	95	1	480	97	1
Chromium					500	480	96	1	490	99	2
Cobalt					500	530	106	0	530	106	0
Copper					5000	5000	101	1	5100	102	1
Lead					2500	2400	95	2	2500	98	1
Nickel					500	510	101	1	520	103	1
Selenium					500	480	96	1	500	99	1
Silver					500	480	96	1	490	97	2
Thallium					500	480	96	1	490	98	2
Vanadium					500	480	96	1	490	97	1
Zinc					5000	5100	102	1	5200	104	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV026				ID: CCV027		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	470	95	2	460	93	1
Arsenic					500	500	101	1	500	101	1
Barium					2500	2400	97	2	2400	95	2
Beryllium					500	520	105	1	510	102	2
Cadmium					500	490	98	2	470	94	2
Chromium					500	500	100	1	500	99	1
Cobalt					500	540	107	1	530	106	1
Copper					5000	5200	104	0	5200	104	1
Lead					2500	2500	98	1	2400	98	2
Nickel					500	520	104	1	520	104	0
Selenium					500	500	100	2	490	99	2
Silver					500	490	98	1	480	97	2
Thallium					500	490	98	1	490	99	2
Vanadium					500	500	99	1	490	99	1
Zinc					5000	5200	104	1	5200	104	2

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 Continuing Calibration Verification Source : MP82579
 Run Batch: LB133196 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV006				ID: CCV029				ID: CCV030		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	190	95	1	500	490	98	3	500	101	0
Arsenic	200	200	102	5	500	540	108	1	540	108	1
Barium	100	91	91	1	2500	2500	100	2	2600	102	1
Beryllium	100	100	102	1	500	520	104	1	500	100	1
Cadmium	100	100	103	1	500	520	103	2	520	104	2
Chromium	100	100	103	5	500	500	99	2	500	101	1
Cobalt	100	100	102	5	500	520	104	0	520	104	0
Copper	100	95	95	5	5000	5000	100	1	5100	102	1
Lead	200	190	94	1	2500	2500	101	2	2600	102	2
Nickel	110	110	96	6	500	510	103	1	510	103	0
Selenium	200	210	105	0	500	520	104	2	520	104	2
Silver	50.0	47	94	1	500	510	102	2	520	103	1
Thallium	210	220	104	1	500	510	102	2	510	102	2
Vanadium	100	100	100	6	500	510	101	1	500	101	1
Zinc	200	200	98	5	5000	5100	103	1	5200	103	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV031				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	98	2			
Arsenic					500	530	105	1			
Barium					2500	2500	100	1			
Beryllium					500	500	99	3			
Cadmium					500	510	103	1			
Chromium					500	500	100	2			
Cobalt					500	530	105	0			
Copper					5000	5100	102	1			
Lead					2500	2500	100	2			
Nickel					500	520	103	1			
Selenium					500	520	104	2			
Silver					500	510	102	2			
Thallium					500	500	101	1			
Vanadium					500	510	102	1			
Zinc					5000	5100	103	1			