

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.: MYD4H1
 Initial Calibration Verification Source : MP82578
 Continuing Calibration Verification Source : MP82579
 Run Batch: LB132719 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	200	100	0	500	490	97	1	510	102	1
Arsenic	200	210	104	1	500	510	101	2	510	101	1
Barium	100	97	97	1	2500	2400	97	1	2600	103	1
Beryllium	100	110	106	1	500	500	100	1	520	104	0
Cadmium	100	110	107	0	500	500	101	0	490	98	2
Chromium	100	100	104	0	500	500	100	0	530	107	2
Cobalt	100	110	105	0	500	490	99	2	520	105	2
Copper	100	99	99	1	5000	5100	101	0	5100	102	2
Lead	200	200	100	1	2500	2500	100	1	2600	105	1
Nickel	110	120	106	1	500	480	97	1	520	103	2
Selenium	200	210	105	1	500	510	101	1	490	99	2
Silver	50.0	53	105	1	500	480	95	1	500	100	1
Thallium	210	220	105	1	500	500	101	1	530	106	2
Vanadium	100	100	101	0	500	510	102	0	540	108	2
Zinc	200	210	103	1	5000	5000	100	2	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	490	98	0	480	97	0
Arsenic					500	480	97	1	490	99	1
Barium					2500	2500	100	2	2500	99	2
Beryllium					500	500	100	2	500	101	1
Cadmium					500	470	94	1	460	92	0
Chromium					500	520	105	0	530	106	1
Cobalt					500	520	103	1	530	106	0
Copper					5000	5000	101	0	5200	103	1
Lead					2500	2600	104	1	2600	104	2
Nickel					500	510	102	0	520	103	1
Selenium					500	480	95	1	480	96	1
Silver					500	480	96	1	470	95	1
Thallium					500	520	105	1	520	104	1
Vanadium					500	530	107	0	540	107	1
Zinc					5000	5000	100	1	5100	102	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	480	95	1	480	96	1
Arsenic					500	480	96	1	470	94	1
Barium					2500	2400	98	1	2400	98	1
Beryllium					500	500	99	2	500	99	1
Cadmium					500	450	90	1	450	90	1
Chromium					500	520	103	1	520	104	0
Cobalt					500	510	101	1	510	101	1
Copper					5000	5000	101	1	5000	101	1
Lead					2500	2600	103	1	2600	102	1
Nickel					500	500	100	1	500	101	1
Selenium					500	470	93	1	470	95	2
Silver					500	460	92	1	460	92	1
Thallium					500	520	104	1	510	103	0
Vanadium					500	520	105	1	530	105	1
Zinc					5000	5000	100	0	5000	101	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV007				ID: CCV008		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	460	92	0	500	100	1
Arsenic					500	470	93	0	490	98	1
Barium					2500	2400	94	0	2400	94	0
Beryllium					500	490	98	1	480	97	1
Cadmium					500	500	100	1	490	99	1
Chromium					500	510	101	0	510	102	1
Cobalt					500	500	99	1	500	100	0
Copper					5000	4900	99	1	5000	100	1
Lead					2500	2500	100	1	2500	100	0
Nickel					500	490	98	0	500	99	1
Selenium					500	460	93	1	500	100	1
Silver					500	480	97	0	160	31	0
Thallium					500	500	100	1	500	101	1
Vanadium					500	510	103	1	510	103	1
Zinc					5000	4900	99	1	4900	98	1

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 Initial Calibration Verification Source : MP82578
 Continuing Calibration Verification Source : MP82579
 Run Batch: LB132906 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV021				ID: CCV071				ID: CCV072		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony	200	200	100	1	500	500	100	0	500	101	1
Arsenic	200	200	102	1	500	510	101	1	500	101	2
Barium	100	100	100	1	2500	2500	102	1	2600	102	2
Beryllium	100	110	105	0	500	510	102	0	510	102	1
Cadmium	100	110	108	2	500	490	98	1	490	97	1
Chromium	100	100	104	1	500	510	103	1	510	102	1
Cobalt	100	100	103	2	500	520	104	0	520	105	1
Copper	100	100	103	1	5000	5200	104	1	5200	104	1
Lead	200	190	95	1	2500	2600	105	1	2600	104	0
Nickel	110	110	98	1	500	540	108	1	540	108	1
Selenium	200	210	107	1	500	500	99	2	490	97	1
Silver	50.0	52	104	1	500	490	97	1	490	98	1
Thallium	210	210	98	1	500	530	105	2	520	104	0
Vanadium	100	100	100	1	500	520	104	1	520	104	0
Zinc	200	210	103	1	5000	5100	103	1	5100	103	1

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 Initial Calibration Verification Source : MP82578
 Continuing Calibration Verification Source : MP82579
 Run Batch: LB132906 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV073				ID: CCV074		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	100	3	510	101	1
Arsenic					500	490	99	1	490	99	0
Barium					2500	2500	99	2	2500	102	1
Beryllium					500	500	101	2	500	101	1
Cadmium					500	470	94	3	490	98	1
Chromium					500	510	101	0	510	101	1
Cobalt					500	500	99	0	490	98	1
Copper					5000	5000	101	2	5000	99	1
Lead					2500	2500	101	1	2500	101	1
Nickel					500	500	100	1	490	99	2
Selenium					500	470	95	2	480	96	0
Silver					500	480	96	1	490	97	1
Thallium					500	510	101	1	510	102	1
Vanadium					500	510	102	0	510	102	1
Zinc					5000	4900	98	0	4900	97	1

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Initial Calibration Verification Source : MP82578

Continuing Calibration Verification Source : MP82579

Run Batch: LB132906 Analytical Method: ICP-MS

Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV075				ID: CCV076		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	490	98	1	490	98	0
Arsenic					500	490	99	1	490	99	1
Barium					2500	2500	100	2	2500	99	0
Beryllium					500	500	100	1	500	99	1
Cadmium					500	470	94	2	470	94	1
Chromium					500	500	101	0	500	100	1
Cobalt					500	490	99	1	490	98	1
Copper					5000	5000	100	1	4900	99	1
Lead					2500	2500	101	1	2500	101	0
Nickel					500	500	99	1	490	98	0
Selenium					500	480	96	0	470	94	0
Silver					500	480	95	2	470	94	1
Thallium					500	510	101	1	500	100	0
Vanadium					500	510	102	1	510	102	1
Zinc					5000	4900	97	1	4800	96	1

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 Initial Calibration Verification Source : MP82578
 Continuing Calibration Verification Source : MP82579
 Run Batch: LB132906 Analytical Method: ICP-MS
 Concentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV077				ID: CCV078		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Antimony					500	500	100	2	500	100	1
Arsenic					500	490	98	1	490	98	1
Barium					2500	2500	99	1	2500	101	1
Beryllium					500	500	100	1	500	99	0
Cadmium					500	470	94	1	470	94	1
Chromium					500	500	99	1	500	101	0
Cobalt					500	490	97	1	500	101	0
Copper					5000	5000	99	1	5200	103	1
Lead					2500	2500	101	1	2500	102	1
Nickel					500	490	98	1	510	102	1
Selenium					500	470	93	1	460	93	0
Silver					500	470	94	1	470	95	0
Thallium					500	510	102	1	510	102	2
Vanadium					500	500	101	1	510	102	0
Zinc					5000	4800	96	1	5000	99	0