

FORM 2 - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51772 MA No. : SDG No.: MYDAB3Initial Calibration Verification Source : MP82450Continuing Calibration Verification Source : MP82453Run Batch: LB133024 Analytical Method: ICP-AESConcentration Units: µg/L

	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV004				ID: CCV020				ID: CCV021		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	95	1	400000	400000	100	0	400000	99	6
Antimony	1000	1100	105	0	5000	4600	93	0	4600	92	0
Arsenic	1000	1000	100	0	5000	4900	97	0	4900	97	0
Barium	520	510	99	0	10000	10000	100	0	9900	99	6
Beryllium	510	520	102	0	500	500	99	1	470	95	5
Cadmium	510	480	94	0	2500	2400	96	0	2400	96	0
Calcium	10000	10000	101	0	400000	390000	99	0	390000	97	6
Chromium	520	560	108	0	15500	15000	97	0	15000	94	6
Cobalt	520	490	95	0	2500	2400	98	0	2400	97	0
Copper	510	490	96	1	15000	15000	98	0	14000	96	6
Iron	10000	11000	109	0	400000	400000	100	0	390000	98	6
Lead	1000	970	97	0	25000	24000	96	0	24000	95	0
Magnesium	6000	5700	95	2	400000	400000	100	0	390000	96	6
Manganese	520	540	103	0	15000	15000	97	0	14000	95	6
Nickel	530	500	95	0	2500	2400	97	0	2400	96	0
Potassium	9900	9700	98	1	150000	150000	100	0	150000	98	6
Selenium	1000	1000	105	0	5000	4600	92	0	4500	91	0
Silver	250	240	96	0	1250	1200	98	0	1200	95	7
Sodium	10000	9800	98	1	400000	400000	99	0	390000	98	6
Thallium	1000	1000	102	1	5000	4700	94	0	4700	95	0
Vanadium	500	530	105	2	2500	2400	97	1	2400	95	5
Zinc	1000	1000	102	0	15000	14000	92	0	14000	90	7

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV022				ID: CCV023		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	0	400000	101	0
Antimony					5000	4600	93	0	4600	93	0
Arsenic					5000	4900	97	1	4900	98	0
Barium					10000	10000	101	0	10000	101	0
Beryllium					500	480	96	1	480	96	1
Cadmium					2500	2400	96	0	2400	97	0
Calcium					400000	400000	99	0	390000	99	0
Chromium					15500	15000	97	0	15000	98	0
Cobalt					2500	2400	97	0	2500	98	0
Copper					15000	15000	99	0	15000	98	0
Iron					400000	400000	101	0	400000	100	0
Lead					25000	24000	96	0	24000	96	0
Magnesium					400000	400000	101	0	390000	98	0
Manganese					15000	14000	97	0	15000	97	0
Nickel					2500	2400	97	1	2400	98	0
Potassium					150000	150000	100	0	150000	100	0
Selenium					5000	4600	91	0	4500	91	0
Silver					1250	1200	97	0	1200	98	0
Sodium					400000	400000	101	0	400000	100	0
Thallium					5000	4800	95	1	4900	97	0
Vanadium					2500	2400	97	0	2400	97	1
Zinc					15000	14000	93	1	14000	93	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV024				ID: CCV025		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	410000	102	0	410000	103	1
Antimony					5000	4700	94	0	4700	95	0
Arsenic					5000	4900	99	0	5000	99	0
Barium					10000	10000	103	0	10000	103	0
Beryllium					500	480	97	0	490	99	1
Cadmium					2500	2400	97	0	2400	98	0
Calcium					400000	400000	101	0	410000	102	1
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2500	99	0	2500	99	0
Copper					15000	15000	100	0	15000	99	1
Iron					400000	410000	102	0	410000	103	1
Lead					25000	24000	97	0	24000	97	0
Magnesium					400000	400000	100	0	400000	101	1
Manganese					15000	15000	97	0	15000	97	0
Nickel					2500	2500	98	0	2500	99	0
Potassium					150000	150000	101	0	150000	102	1
Selenium					5000	4600	93	0	4700	94	1
Silver					1250	1200	99	0	1200	100	0
Sodium					400000	410000	102	0	410000	103	1
Thallium					5000	4900	97	0	4900	97	0
Vanadium					2500	2500	99	0	2500	99	1
Zinc					15000	14000	94	0	14000	93	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
Aluminum					400000	410000	103	0	410000	102	0
Antimony					5000	4700	95	1	4700	94	1
Arsenic					5000	4900	98	1	4900	99	0
Barium					10000	10000	103	0	10000	104	0
Beryllium					500	500	100	0	480	96	1
Cadmium					2500	2400	97	1	2400	97	0
Calcium					400000	410000	102	0	400000	99	0
Chromium					15500	15000	98	0	15000	98	0
Cobalt					2500	2500	99	1	2500	99	0
Copper					15000	15000	99	0	15000	99	0
Iron					400000	410000	102	0	400000	100	0
Lead					25000	24000	97	1	24000	97	0
Magnesium					400000	400000	100	0	400000	100	0
Manganese					15000	14000	97	0	15000	97	0
Nickel					2500	2500	98	1	2500	99	0
Potassium					150000	150000	102	0	150000	102	0
Selenium					5000	4700	94	1	4600	91	1
Silver					1250	1300	100	0	1200	98	0
Sodium					400000	410000	103	0	410000	102	0
Thallium					5000	4800	96	1	4900	98	0
Vanadium					2500	2500	99	0	2400	97	0
Zinc					15000	14000	94	0	14000	95	1

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV028				ID: CCV029		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	420000	104	0	420000	104	0
Antimony					5000	4800	95	0	4700	95	1
Arsenic					5000	5000	99	0	5000	99	0
Barium					10000	10000	105	0	10000	105	0
Beryllium					500	490	99	0	500	99	0
Cadmium					2500	2400	98	0	2400	98	0
Calcium					400000	410000	102	0	410000	101	1
Chromium					15500	15000	99	0	15000	98	0
Cobalt					2500	2500	100	0	2500	100	0
Copper					15000	15000	100	0	15000	100	0
Iron					400000	410000	102	0	410000	101	1
Lead					25000	24000	98	0	24000	97	0
Magnesium					400000	410000	102	0	410000	102	1
Manganese					15000	15000	97	0	15000	97	0
Nickel					2500	2500	99	0	2500	99	0
Potassium					150000	160000	104	0	150000	103	0
Selenium					5000	4700	93	0	4700	93	0
Silver					1250	1300	100	0	1200	100	0
Sodium					400000	420000	104	0	420000	104	0
Thallium					5000	4900	98	0	4900	98	0
Vanadium					2500	2500	99	0	2500	98	0
Zinc					15000	14000	95	1	14000	95	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV030				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	420000	105	0			
Antimony					5000	4800	95	0			
Arsenic					5000	5000	100	0			
Barium					10000	11000	105	0			
Beryllium					500	490	99	0			
Cadmium					2500	2500	98	0			
Calcium					400000	410000	103	0			
Chromium					15500	15000	99	0			
Cobalt					2500	2500	100	0			
Copper					15000	15000	100	0			
Iron					400000	410000	102	0			
Lead					25000	24000	98	0			
Magnesium					400000	410000	103	0			
Manganese					15000	15000	97	0			
Nickel					2500	2500	100	0			
Potassium					150000	160000	104	0			
Selenium					5000	4700	93	1			
Silver					1250	1300	101	0			
Sodium					400000	420000	105	0			
Thallium					5000	4900	99	0			
Vanadium					2500	2500	100	0			
Zinc					15000	14000	95	1			

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID: ICV009				ID: CCV055				ID: CCV056		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum	2500	2400	96	1	400000	400000	101	0	400000	100	0
Antimony	1000	1000	100	0	5000	4700	95	0	4700	95	0
Arsenic	1000	970	97	0	5000	5000	99	1	5000	99	0
Barium	520	510	99	0	10000	10000	100	0	9900	99	0
Beryllium	510	520	103	1	500	500	100	0	490	98	1
Cadmium	510	480	94	0	2500	2500	98	0	2500	98	0
Calcium	10000	10000	101	1	400000	400000	100	0	400000	100	0
Chromium	520	570	109	0	15500	15000	99	0	15000	100	0
Cobalt	520	500	95	0	2500	2500	99	0	2500	99	0
Copper	510	490	96	0	15000	15000	100	0	15000	99	0
Iron	10000	11000	109	1	400000	410000	102	0	400000	101	0
Lead	1000	980	98	0	25000	24000	97	0	24000	97	0
Magnesium	6000	6000	99	1	400000	390000	98	0	390000	97	0
Manganese	520	540	103	1	15000	15000	98	0	15000	98	0
Nickel	530	510	96	0	2500	2500	99	0	2500	98	0
Potassium	9900	10000	105	1	150000	150000	101	0	150000	101	0
Selenium	1000	980	98	0	5000	4700	95	0	4800	95	0
Silver	250	240	96	0	1250	1200	100	0	1200	99	0
Sodium	10000	9800	98	0	400000	400000	101	0	400000	101	0
Thallium	1000	1000	102	0	5000	4800	95	1	4800	96	1
Vanadium	500	520	104	2	2500	2500	99	0	2500	99	1
Zinc	1000	1100	108	0	15000	14000	96	1	14000	97	0

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	Initial Calibration Verification				Continuing Calibration Verification						
	ID:				ID: CCV057				ID:		
Analyte	True	Found	%R	%RSD	True	Found	%R	%RSD	Found	%R	%RSD
Aluminum					400000	400000	101	0			
Antimony					5000	4700	95	0			
Arsenic					5000	4900	99	0			
Barium					10000	9900	99	0			
Beryllium					500	500	99	1			
Cadmium					2500	2500	98	0			
Calcium					400000	400000	101	0			
Chromium					15500	15000	100	0			
Cobalt					2500	2500	99	0			
Copper					15000	15000	99	0			
Iron					400000	410000	102	0			
Lead					25000	24000	97	0			
Magnesium					400000	390000	98	0			
Manganese					15000	15000	98	0			
Nickel					2500	2500	98	0			
Potassium					150000	150000	102	0			
Selenium					5000	4800	95	0			
Silver					1250	1200	100	0			
Sodium					400000	410000	102	0			
Thallium					5000	4800	95	0			
Vanadium					2500	2500	99	1			
Zinc					15000	14000	96	1			