

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51850 MA No.: _____ SDG No.: MC0B82
 Instrument ID: P7 Start Date: 11/10/2024
 Analytical Method: ICP-MS Run Batch: LB133382
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.0	0	20	21	5	1000	1100	10
Antimony	0	0.0	0	2	2.1	5	50	51	2
Arsenic	0	0.0	0	1	1.1	10	50	51	2
Barium	0	0.0	0	10	10	0	250	250	0
Beryllium	0	0.0	0	1	1.1	10	50	49	-2
Cadmium	0	0.0	0	1	1.2	20	50	54	8
Calcium	0	0.0	0	500	490	-2	5000	5800	16
Chromium	0	0.0	0	2	2.2	10	50	52	4
Cobalt	0	0.0	0	1	1.1	10	50	53	6
Copper	0	0.0	0	2	2.2	10	500	540	8
Iron	0	0.0	0	50	62	24	2500	2900	16
Lead	0	0.0	0	1	1.0	0	250	250	0
Magnesium	0	0.0	0	500	580	16	5000	5700	14
Manganese	0	0.0	0	1	1.1	10	500	520	4
Nickel	0	0.0	0	1	1.1	10	50	54	8
Potassium	0	0.0	0	500	550	10	2500	2600	4
Selenium	0	0.0	0	5	5.5	10	50	52	4
Silver	0	0.0	0	1	1.1	10	50	53	6
Sodium	0	0.0	0	500	530	6	5000	5300	6
Thallium	0	0.0	0	1	1.0	0	50	49	-2
Vanadium	0	0.0	0	5	5.4	8	50	52	4
Zinc	0	0.0	0	5	5.6	12	500	540	8

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	2500	2600	4	5000	5200	4	10000	10000	0
Antimony	125	130	4	250	260	4	500	490	-2
Arsenic	125	130	4	250	250	0	500	500	0
Barium	625	630	1	1250	1300	4	2500	2400	-4
Beryllium	125	120	-4	250	250	0	500	500	0
Cadmium	125	130	4	250	260	4	500	500	0
Calcium	12500	14000	12	25000	30000	20	50000	58000	16
Chromium	125	130	4	250	260	4	500	510	2
Cobalt	125	130	4	250	260	4	500	510	2
Copper	1250	1300	4	2500	2700	8	5000	5100	2
Iron	6250	6700	7	12500	14000	12	25000	27000	8
Lead	625	610	-2	1250	1200	-4	2500	2400	-4
Magnesium	12500	14000	12	25000	28000	12	50000	55000	10
Manganese	1250	1300	4	2500	2600	4	5000	5100	2
Nickel	125	130	4	250	260	4	500	510	2
Potassium	6250	6400	2	12500	13000	4	25000	25000	0
Selenium	125	130	4	250	260	4	500	500	0
Silver	125	130	4	250	260	4	500	500	0
Sodium	12500	13000	4	25000	26000	4	50000	52000	4
Thallium	125	120	-4	250	250	0	500	490	-2
Vanadium	125	130	4	250	250	0	500	500	0
Zinc	1250	1300	4	2500	2700	8	5000	5100	2

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	20000	20000	0	100000	100000	0			
Antimony	1000	1000	0						
Arsenic	1000	1000	0						
Barium	5000	5000	0						
Beryllium	1000	1000	0						
Cadmium	1000	1000	0						
Calcium	100000	120000	20	500000	500000	0			
Chromium	1000	990	-1						
Cobalt	1000	990	-1						
Copper	10000	9900	-1						
Iron	50000	52000	4	250000	250000	0			
Lead	5000	5000	0						
Magnesium	100000	110000	10	500000	500000	0			
Manganese	10000	9900	-1						
Nickel	1000	990	-1						
Potassium	50000	50000	0	250000	250000	0			
Selenium	1000	1000	0						
Silver	1000	1000	0						
Sodium	100000	100000	0	500000	500000	0			
Thallium	1000	1000	0						
Vanadium	1000	1000	0						
Zinc	10000	9900	-1						

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 Analytical Method: ICP-MS Run Batch: LB133433
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.0	0	20	19	-5	1000	1000	0
Antimony	0	0.0	0	2	2.1	5	50	53	6
Arsenic	0	0.0	0	1	1.1	10	50	52	4
Barium	0	0.0	0	10	11	10	250	260	4
Beryllium	0	0.0	0	1	1.0	0	50	51	2
Cadmium	0	0.0	0	1	1.1	10	50	55	10
Calcium	0	0.0	0	500	530	6	5000	5300	6
Chromium	0	0.0	0	2	1.9	-5	50	53	6
Cobalt	0	0.0	0	1	1.1	10	50	53	6
Copper	0	0.0	0	2	2.1	5	500	540	8
Iron	0	0.0	0	50	56	12	2500	2800	12
Lead	0	0.0	0	1	0.97	-3	250	260	4
Magnesium	0	0.0	0	500	520	4	5000	5400	8
Manganese	0	0.0	0	1	0.95	-5	500	520	4
Nickel	0	0.0	0	1	1.1	10	50	53	6
Potassium	0	0.0	0	500	530	6	2500	2700	8
Selenium	0	0.0	0	5	5.2	4	50	53	6
Silver	0	0.0	0	1	1.1	10	50	55	10
Sodium	0	0.0	0	500	490	-2	5000	5200	4
Thallium	0	0.0	0	1	0.99	-1	50	50	0
Vanadium	0	0.0	0	5	5.1	2	50	51	2
Zinc	0	0.0	0	5	3.3	-34	500	540	8

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	2500	2500	0	5000	5200	4	10000	10000	0
Antimony	125	130	4	250	260	4	500	510	2
Arsenic	125	130	4	250	260	4	500	500	0
Barium	625	650	4	1250	1300	4	2500	2600	4
Beryllium	125	130	4	250	250	0	500	510	2
Cadmium	125	140	12	250	270	8	500	520	4
Calcium	12500	13000	4	25000	26000	4	50000	51000	2
Chromium	125	130	4	250	260	4	500	500	0
Cobalt	125	130	4	250	250	0	500	500	0
Copper	1250	1300	4	2500	2600	4	5000	5100	2
Iron	6250	6800	9	12500	13000	4	25000	27000	8
Lead	625	640	2	1250	1300	4	2500	2600	4
Magnesium	12500	13000	4	25000	27000	8	50000	53000	6
Manganese	1250	1300	4	2500	2500	0	5000	5000	0
Nickel	125	140	12	250	280	12	500	500	0
Potassium	6250	6500	4	12500	13000	4	25000	25000	0
Selenium	125	130	4	250	260	4	500	510	2
Silver	125	140	12	250	270	8	500	520	4
Sodium	12500	13000	4	25000	26000	4	50000	52000	4
Thallium	125	130	4	250	250	0	500	510	2
Vanadium	125	130	4	250	250	0	500	500	0
Zinc	1250	1300	4	2500	2600	4	5000	5100	2

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	20000	20000	0	100000	100000	0			
Antimony	1000	990	-1						
Arsenic	1000	1000	0						
Barium	5000	5000	0						
Beryllium	1000	990	-1						
Cadmium	1000	990	-1						
Calcium	100000	100000	0	500000	500000	0			
Chromium	1000	1000	0						
Cobalt	1000	1000	0						
Copper	10000	9900	-1						
Iron	50000	53000	6	250000	250000	0			
Lead	5000	5000	0						
Magnesium	100000	110000	10	500000	500000	0			
Manganese	10000	10000	0						
Nickel	1000	990	-1						
Potassium	50000	51000	2	250000	250000	0			
Selenium	1000	990	-1						
Silver	1000	980	-2						
Sodium	100000	100000	0	500000	500000	0			
Thallium	1000	990	-1						
Vanadium	1000	1000	0						
Zinc	10000	9900	-1						