

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHNC3
 Instrument ID: P4 Start Date: 01/12/2025
 Analytical Method: ICP-AES Run Batch: LB134242
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.020	0	200	210	5	38750	36000	-7
Antimony	0	0.020	0	60	51	-15	1250	1100	-12
Arsenic	0	0.0	0	10	9.0	-10	1250	1100	-12
Barium	0	0.020	0	200	190	-5	2500	2400	-4
Beryllium	0	-0	0	5	5.3	6	125	130	4
Cadmium	0	-0	0	5	5.1	2	625	650	4
Calcium	0	0.48	0	5000	4900	-2	62500	60000	-4
Chromium	0	-0	0	10	11	10	3875	4100	6
Cobalt	0	-0	0	50	50	0	625	640	2
Copper	0	-0	0	25	26	4	3750	3800	1
Iron	0	-0	0	100	100	0	37500	37000	-1
Lead	0	-0	0	10	10	0	6250	6300	1
Magnesium	0	0.78	0	5000	4600	-8	62500	60000	-4
Manganese	0	0.0	0	15	15	0	3750	3700	-1
Nickel	0	-0	0	40	41	3	625	640	2
Potassium	0	1.3	0	5000	4400	-12	37500	34000	-9
Selenium	0	0.010	0	35	33	-6	1250	1200	-4
Silver	0	0.0	0	10	10	0	312.5	300	-4
Sodium	0	-0.74	0	5000	5300	6	37500	39000	4
Thallium	0	-0	0	25	28	12	1250	1300	4
Vanadium	0	-0	0	50	51	2	625	650	4
Zinc	0	-0.030	0	60	75	25	3750	4300	15

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	73000	-6	155000	150000	-3	310000	310000	0
Antimony	2500	2300	-8	5000	4700	-6	10000	11000	10
Arsenic	2500	2300	-8	5000	4700	-6	10000	11000	10
Barium	5000	4900	-2	10000	9900	-1	20000	20000	0
Beryllium	250	260	4	500	490	-2	1000	990	-1
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	120000	-4	250000	240000	-4	500000	490000	-2
Chromium	7750	8100	5	15500	16000	3	31000	30000	-3
Cobalt	1250	1300	4	2500	2500	0	5000	5000	0
Copper	7500	7600	1	15000	15000	0	30000	30000	0
Iron	75000	75000	0	150000	150000	0	300000	300000	0
Lead	12500	13000	4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	250000	0	500000	510000	2
Manganese	7500	7500	0	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	71000	-5	150000	150000	0	300000	310000	3
Selenium	2500	2400	-4	5000	4700	-6	10000	11000	10
Silver	625	610	-2	1250	1200	-4	2500	2600	4
Sodium	75000	78000	4	150000	150000	0	300000	310000	3
Thallium	2500	2600	4	5000	4900	-2	10000	9900	-1
Vanadium	1250	1300	4	2500	2500	0	5000	5000	0
Zinc	7500	8500	13	15000	16000	7	30000	28000	-7

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	810000	1						
Antimony	0	0.0	0						
Arsenic	0	0.0	0						
Barium	0	0.0	0						
Beryllium	0	0.0	0						
Cadmium	0	0.0	0						
Calcium	800000	820000	3						
Chromium	0	0.0	0						
Cobalt	0	0.0	0						
Copper	0	0.0	0						
Iron	800000	800000	0						
Lead	0	0.0	0						
Magnesium	0	0.0	0						
Manganese	0	0.0	0						
Nickel	0	0.0	0						
Potassium	0	0.0	0						
Selenium	0	0.0	0						
Silver	0	0.0	0						
Sodium	800000	790000	-1						
Thallium	0	0.0	0						
Vanadium	0	0.0	0						
Zinc	0	0.0	0						

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 Instrument ID: P4 Start Date: 01/13/2025
 Analytical Method: ICP-AES Run Batch: LB134245
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.080	0	200	160	-20	38750	35000	-10
Antimony	0	0.010	0	60	52	-13	1250	1200	-4
Arsenic	0	-0	0	10	13	30	1250	1200	-4
Barium	0	0.030	0	200	180	-10	2500	2400	-4
Beryllium	0	-0	0	5	5.2	4	125	130	4
Cadmium	0	0.0	0	5	4.7	-6	625	640	2
Calcium	0	1.1	0	5000	4500	-10	62500	59000	-6
Chromium	0	-0	0	10	10	0	3875	4100	6
Cobalt	0	0.0	0	50	46	-8	625	630	1
Copper	0	-0	0	25	26	4	3750	3900	4
Iron	0	0.020	0	100	84	-16	37500	36000	-4
Lead	0	0.0	0	10	7.6	-24	6250	6300	1
Magnesium	0	0.83	0	5000	4400	-12	62500	60000	-4
Manganese	0	0.0	0	15	13	-13	3750	3700	-1
Nickel	0	0.0	0	40	38	-5	625	640	2
Potassium	0	1.2	0	5000	4200	-16	37500	35000	-7
Selenium	0	0.0	0	35	34	-3	1250	1200	-4
Silver	0	0.0	0	10	8.7	-13	312.5	310	-1
Sodium	0	0.12	0	5000	4600	-8	37500	38000	1
Thallium	0	-0	0	25	25	0	1250	1300	4
Vanadium	0	-0	0	50	48	-4	625	650	4
Zinc	0	-0.010	0	60	65	8	3750	4100	9

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	74000	-5	155000	150000	-3	310000	300000	-3
Antimony	2500	2400	-4	5000	4900	-2	10000	10000	0
Arsenic	2500	2400	-4	5000	4900	-2	10000	10000	0
Barium	5000	5000	0	10000	9900	-1	20000	20000	0
Beryllium	250	270	8	500	500	0	1000	970	-3
Cadmium	1250	1300	4	2500	2500	0	5000	4900	-2
Calcium	125000	120000	-4	250000	240000	-4	500000	490000	-2
Chromium	7750	8100	5	15500	16000	3	31000	30000	-3
Cobalt	1250	1300	4	2500	2500	0	5000	5000	0
Copper	7500	7800	4	15000	15000	0	30000	29000	-3
Iron	75000	75000	0	150000	150000	0	300000	290000	-3
Lead	12500	13000	4	25000	25000	0	50000	50000	0
Magnesium	125000	130000	4	250000	250000	0	500000	510000	2
Manganese	7500	7600	1	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	4900	-2
Potassium	75000	73000	-3	150000	150000	0	300000	310000	3
Selenium	2500	2400	-4	5000	4900	-2	10000	10000	0
Silver	625	630	1	1250	1200	-4	2500	2500	0
Sodium	75000	77000	3	150000	150000	0	300000	300000	0
Thallium	2500	2700	8	5000	5200	4	10000	9600	-4
Vanadium	1250	1300	4	2500	2500	0	5000	4900	-2
Zinc	7500	8100	8	15000	15000	0	30000	29000	-3

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	820000	3						
Antimony	0	0.0	0						
Arsenic	0	0.0	0						
Barium	0	0.0	0						
Beryllium	0	0.0	0						
Cadmium	0	0.0	0						
Calcium	800000	830000	4						
Chromium	0	0.0	0						
Cobalt	0	0.0	0						
Copper	0	0.0	0						
Iron	800000	810000	1						
Lead	0	0.0	0						
Magnesium	0	0.0	0						
Manganese	0	0.0	0						
Nickel	0	0.0	0						
Potassium	0	0.0	0						
Selenium	0	0.0	0						
Silver	0	0.0	0						
Sodium	800000	800000	0						
Thallium	0	0.0	0						
Vanadium	0	0.0	0						
Zinc	0	0.0	0						