

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHJW4
 Instrument ID: P5 Start Date: 12/03/2024
 Analytical Method: ICP-AES Run Batch: LB133720
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.010	0	200	210	5	38750	37000	-5
Antimony	0	0.0	0	60	64	7	1250	1200	-4
Arsenic	0	0.88	0	10	9.8	-2	1250	1200	-4
Barium	0	-0.020	0	200	220	10	2500	2500	0
Beryllium	0	-0	0	5	5.9	18	125	130	4
Cadmium	0	-0	0	5	5.2	4	625	620	-1
Calcium	0	-1.0	0	5000	5900	18	62500	64000	2
Chromium	0	-0	0	10	12	20	3875	4000	3
Cobalt	0	-0	0	50	52	4	625	610	-2
Copper	0	-0	0	25	28	12	3750	3800	1
Iron	0	-0.030	0	100	120	20	37500	39000	4
Lead	0	0.0	0	10	9.7	-3	6250	6200	-1
Magnesium	0	-0.19	0	5000	5500	10	62500	61000	-2
Manganese	0	-0	0	15	19	27	3750	3900	4
Nickel	0	-0.010	0	40	45	13	625	620	-1
Potassium	0	0.12	0	5000	5200	4	37500	36000	-4
Selenium	0	0.0	0	35	34	-3	1250	1200	-4
Silver	0	0.0	0	10	11	10	312.5	300	-4
Sodium	0	-0.18	0	5000	5300	6	37500	37000	-1
Thallium	0	-0	0	25	28	12	1250	1300	4
Vanadium	0	-0.010	0	50	61	22	625	640	2
Zinc	0	-0.010	0	60	73	22	3750	3500	-7

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	75000	-3	155000	150000	-3	310000	310000	0
Antimony	2500	2300	-8	5000	4800	-4	10000	10000	0
Arsenic	2500	2400	-4	5000	4800	-4	10000	10000	0
Barium	5000	5000	0	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	130000	4	250000	250000	0	500000	500000	0
Chromium	7750	8000	3	15500	15000	-3	31000	31000	0
Cobalt	1250	1200	-4	2500	2500	0	5000	5000	0
Copper	7500	7500	0	15000	15000	0	30000	30000	0
Iron	75000	78000	4	150000	150000	0	300000	300000	0
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	240000	-4	500000	500000	0
Manganese	7500	7700	3	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	73000	-3	150000	150000	0	300000	310000	3
Selenium	2500	2400	-4	5000	4800	-4	10000	10000	0
Silver	625	610	-2	1250	1200	-4	2500	2600	4
Sodium	75000	74000	-1	150000	150000	0	300000	300000	0
Thallium	2500	2600	4	5000	5000	0	10000	9900	-1
Vanadium	1250	1300	4	2500	2500	0	5000	5000	0
Zinc	7500	7100	-5	15000	14000	-7	30000	31000	3

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Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	810000	1						
Calcium	800000	790000	-1						
Iron	800000	790000	-1						
Magnesium	800000	810000	1						
Sodium	800000	800000	0						

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 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHJW4
 Instrument ID: P5 Start Date: 12/10/2024
 Analytical Method: ICP-AES Run Batch: LB133883
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	-0	0	200	210	5	38750	38000	-2
Antimony	0	0.010	0	60	55	-8	1250	1200	-4
Arsenic	0	-0	0	10	11	10	1250	1400	12
Barium	0	-0.010	0	200	210	5	2500	2500	0
Beryllium	0	-0	0	5	5.3	6	125	130	4
Cadmium	0	0.0	0	5	4.7	-6	625	630	1
Calcium	0	-0.50	0	5000	5200	4	62500	65000	4
Chromium	0	-0	0	10	10	0	3875	4000	3
Cobalt	0	-0	0	50	51	2	625	640	2
Copper	0	-0	0	25	28	12	3750	3800	1
Iron	0	-0.040	0	100	130	30	37500	40000	7
Lead	0	0.0	0	10	9.0	-10	6250	6200	-1
Magnesium	0	-0.83	0	5000	5100	2	62500	66000	6
Manganese	0	-0	0	15	16	7	3750	3900	4
Nickel	0	0.0	0	40	40	0	625	630	1
Potassium	0	0.38	0	5000	4800	-4	37500	37000	-1
Selenium	0	0.0	0	35	36	3	1250	1200	-4
Silver	0	0.0	0	10	9.8	-2	312.5	310	-1
Sodium	0	-0.14	0	5000	5100	2	37500	38000	1
Thallium	0	-0	0	25	26	4	1250	1300	4
Vanadium	0	-0	0	50	53	6	625	630	1
Zinc	0	0.010	0	60	55	-8	3750	3400	-9

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	76000	-2	155000	150000	-3	310000	310000	0
Antimony	2500	2300	-8	5000	4800	-4	10000	10000	0
Arsenic	2500	2600	4	5000	5000	0	10000	9700	-3
Barium	5000	5000	0	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	510	2	1000	990	-1
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	250000	0	500000	500000	0
Chromium	7750	7900	2	15500	16000	3	31000	31000	0
Cobalt	1250	1300	4	2500	2500	0	5000	5000	0
Copper	7500	7600	1	15000	15000	0	30000	30000	0
Iron	75000	78000	4	150000	160000	7	300000	300000	0
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	130000	4	250000	260000	4	500000	510000	2
Manganese	7500	7700	3	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	73000	-3	150000	150000	0	300000	300000	0
Selenium	2500	2400	-4	5000	4800	-4	10000	10000	0
Silver	625	620	-1	1250	1200	-4	2500	2500	0
Sodium	75000	75000	0	150000	150000	0	300000	300000	0
Thallium	2500	2500	0	5000	5000	0	10000	9900	-1
Vanadium	1250	1200	-4	2500	2500	0	5000	5000	0
Zinc	7500	6900	-8	15000	14000	-7	30000	32000	7

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	810000	1						
Calcium	800000	800000	0						
Iron	800000	790000	-1						
Magnesium	800000	770000	-4						
Sodium	800000	800000	0						