

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHMZ9
 Instrument ID: P5 Start Date: 01/09/2025
 Analytical Method: ICP-AES Run Batch: LB134223
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	-0.020	0	200	220	10	38750	39000	1
Antimony	0	0.010	0	60	55	-8	1250	1200	-4
Arsenic	0	-0	0	10	13	30	1250	1300	4
Barium	0	-0	0	200	200	0	2500	2500	0
Beryllium	0	0.0	0	5	4.8	-4	125	130	4
Cadmium	0	0.0	0	5	4.2	-16	625	590	-6
Calcium	0	-0.56	0	5000	5200	4	62500	65000	4
Chromium	0	0.0	0	10	8.8	-12	3875	3900	1
Cobalt	0	0.0	0	50	47	-6	625	610	-2
Copper	0	-0.010	0	25	29	16	3750	4100	9
Iron	0	0.010	0	100	85	-15	37500	39000	4
Lead	0	0.0	0	10	7.7	-23	6250	5900	-6
Magnesium	0	-1.1	0	5000	5600	12	62500	66000	6
Manganese	0	-0	0	15	16	7	3750	3800	1
Nickel	0	0.010	0	40	36	-10	625	590	-6
Potassium	0	0.35	0	5000	4800	-4	37500	37000	-1
Selenium	0	0.010	0	35	25	-29	1250	1200	-4
Silver	0	0.0	0	10	9.2	-8	312.5	310	-1
Sodium	0	-3.0	0	5000	6200	24	37500	45000	20
Thallium	0	0.0	0	25	25	0	1250	1200	-4
Vanadium	0	-0.010	0	50	56	12	625	650	4
Zinc	0	0.010	0	60	57	-5	3750	3500	-7

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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	300000	-3
Antimony	2500	2400	-4	5000	4800	-4	10000	10000	0
Arsenic	2500	2600	4	5000	5000	0	10000	9900	-1
Barium	5000	5000	0	10000	9900	-1	20000	20000	0
Beryllium	250	250	0	500	500	0	1000	990	-1
Cadmium	1250	1200	-4	2500	2500	0	5000	5100	2
Calcium	125000	130000	4	250000	250000	0	500000	500000	0
Chromium	7750	7800	1	15500	15000	-3	31000	31000	0
Cobalt	1250	1200	-4	2500	2500	0	5000	5100	2
Copper	7500	7700	3	15000	15000	0	30000	29000	-3
Iron	75000	77000	3	150000	150000	0	300000	300000	0
Lead	12500	12000	-4	25000	25000	0	50000	51000	2
Magnesium	125000	130000	4	250000	260000	4	500000	510000	2
Manganese	7500	7600	1	15000	15000	0	30000	30000	0
Nickel	1250	1200	-4	2500	2500	0	5000	5100	2
Potassium	75000	74000	-1	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	86000	15	150000	160000	7	300000	300000	0
Thallium	2500	2500	0	5000	5000	0	10000	10000	0
Vanadium	1250	1300	4	2500	2500	0	5000	5000	0
Zinc	7500	7200	-4	15000	15000	0	30000	31000	3

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Analytical Method: ICP-AES Run Batch: LB134223
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	780000	-3						
Sodium	800000	770000	-4						

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 Instrument ID: P5 Start Date: 01/10/2025
 Analytical Method: ICP-AES Run Batch: LB134241
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.020	0	200	210	5	38750	38000	-2
Antimony	0	0.010	0	60	54	-10	1250	1200	-4
Arsenic	0	0.0	0	10	8.6	-14	1250	1300	4
Barium	0	0.0	0	200	200	0	2500	2500	0
Beryllium	0	-0	0	5	5.2	4	125	130	4
Cadmium	0	0.0	0	5	4.6	-8	625	620	-1
Calcium	0	-0.34	0	5000	5300	6	62500	64000	2
Chromium	0	-0	0	10	11	10	3875	3900	1
Cobalt	0	-0	0	50	50	0	625	640	2
Copper	0	-0.010	0	25	30	20	3750	4000	7
Iron	0	-0.030	0	100	130	30	37500	39000	4
Lead	0	0.0	0	10	7.3	-27	6250	6200	-1
Magnesium	0	-0.36	0	5000	5100	2	62500	65000	4
Manganese	0	0.0	0	15	13	-13	3750	3900	4
Nickel	0	0.0	0	40	38	-5	625	630	1
Potassium	0	0.36	0	5000	4900	-2	37500	36000	-4
Selenium	0	0.010	0	35	27	-23	1250	1200	-4
Silver	0	0.0	0	10	10	0	312.5	310	-1
Sodium	0	0.33	0	5000	5300	6	37500	37000	-1
Thallium	0	-0	0	25	28	12	1250	1300	4
Vanadium	0	-0.010	0	50	56	12	625	660	6
Zinc	0	0.010	0	60	57	-5	3750	3600	-4

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 Analytical Method: ICP-AES Run Batch: LB134241
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	75000	-3	155000	150000	-3	310000	300000	-3
Antimony	2500	2400	-4	5000	4800	-4	10000	10000	0
Arsenic	2500	2600	4	5000	4900	-2	10000	9900	-1
Barium	5000	5000	0	10000	9700	-3	20000	20000	0
Beryllium	250	250	0	500	490	-2	1000	1000	0
Cadmium	1250	1200	-4	2500	2400	-4	5000	5100	2
Calcium	125000	130000	4	250000	240000	-4	500000	490000	-2
Chromium	7750	7800	1	15500	15000	-3	31000	31000	0
Cobalt	1250	1300	4	2500	2400	-4	5000	5000	0
Copper	7500	7800	4	15000	15000	0	30000	30000	0
Iron	75000	77000	3	150000	150000	0	300000	300000	0
Lead	12500	12000	-4	25000	24000	-4	50000	51000	2
Magnesium	125000	130000	4	250000	250000	0	500000	510000	2
Manganese	7500	7700	3	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2400	-4	5000	5100	2
Potassium	75000	74000	-1	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	73000	-3	150000	140000	-7	300000	290000	-3
Thallium	2500	2600	4	5000	4900	-2	10000	9900	-1
Vanadium	1250	1300	4	2500	2500	0	5000	4900	-2
Zinc	7500	7200	-4	15000	14000	-7	30000	31000	3

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Analytical Method: ICP-AES Run Batch: LB134241
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	820000	3						
Calcium	800000	810000	1						
Iron	800000	800000	0						
Magnesium	800000	790000	-1						
Sodium	800000	820000	3						

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 Instrument ID: P5 Start Date: 01/13/2025
 Analytical Method: ICP-AES Run Batch: LB134256
 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	0.030	0	60	45	-25	1250	1000	-20
Arsenic	0	-0	0	10	10	0	1250	1300	4
Barium	0	0.020	0	200	200	0	2500	2400	-4
Beryllium	0	0.0	0	5	5.1	2	125	120	-4
Cadmium	0	0.0	0	5	4.6	-8	625	600	-4
Calcium	0	-0.17	0	5000	5200	4	62500	62000	-1
Chromium	0	-0	0	10	10	0	3875	4000	3
Cobalt	0	-0	0	50	51	2	625	620	-1
Copper	0	-0	0	25	29	16	3750	3700	-1
Iron	0	-0.010	0	100	110	10	37500	37000	-1
Lead	0	0.0	0	10	7.7	-23	6250	6000	-4
Magnesium	0	-0.13	0	5000	5200	4	62500	62000	-1
Manganese	0	0.0	0	15	14	-7	3750	3700	-1
Nickel	0	0.0	0	40	38	-5	625	600	-4
Potassium	0	1.5	0	5000	4400	-12	37500	33000	-12
Selenium	0	0.010	0	35	29	-17	1250	1100	-12
Silver	0	0.0	0	10	9.2	-8	312.5	300	-4
Sodium	0	0.67	0	5000	5200	4	37500	34000	-9
Thallium	0	-0	0	25	27	8	1250	1300	4
Vanadium	0	-0	0	50	54	8	625	610	-2
Zinc	0	0.010	0	60	59	-2	3750	3600	-4

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	74000	-5	155000	150000	-3	310000	320000	3
Antimony	2500	2200	-12	5000	4600	-8	10000	11000	10
Arsenic	2500	2600	4	5000	5000	0	10000	9800	-2
Barium	5000	4900	-2	10000	9700	-3	20000	20000	0
Beryllium	250	250	0	500	490	-2	1000	1000	0
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	240000	-4	500000	510000	2
Chromium	7750	8000	3	15500	15000	-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	76000	1	150000	150000	0	300000	310000	3
Lead	12500	12000	-4	25000	25000	0	50000	51000	2
Magnesium	125000	130000	4	250000	240000	-4	500000	510000	2
Manganese	7500	7500	0	15000	15000	0	30000	31000	3
Nickel	1250	1200	-4	2500	2500	0	5000	5100	2
Potassium	75000	70000	-7	150000	140000	-7	300000	320000	7
Selenium	2500	2300	-8	5000	4600	-8	10000	11000	10
Silver	625	630	1	1250	1200	-4	2500	2600	4
Sodium	75000	71000	-5	150000	140000	-7	300000	300000	0
Thallium	2500	2600	4	5000	5000	0	10000	10000	0
Vanadium	1250	1300	4	2500	2400	-4	5000	5100	2
Zinc	7500	7400	-1	15000	15000	0	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	800000	0						
Iron	800000	790000	-1						
Magnesium	800000	790000	-1						
Sodium	800000	810000	1						