

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51979 MA No.: _____ SDG No.: MBHHA3
 Instrument ID: P5 Start Date: 02/07/2025
 Analytical Method: ICP-AES Run Batch: LB134644
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.010	0	200	200	0	38750	39000	1
Antimony	0	0.010	0	60	55	-8	1250	1200	-4
Arsenic	0	-0	0	10	11	10	1250	1300	4
Barium	0	-0.010	0	200	210	5	2500	2500	0
Beryllium	0	-0	0	5	5.4	8	125	130	4
Cadmium	0	0.0	0	5	4.9	-2	625	620	-1
Calcium	0	-0.74	0	5000	5300	6	62500	65000	4
Chromium	0	-0	0	10	11	10	3875	4000	3
Cobalt	0	-0	0	50	51	2	625	640	2
Copper	0	0.0	0	25	23	-8	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	-0.64	0	5000	5300	6	62500	66000	6
Manganese	0	-0	0	15	17	13	3750	3900	4
Nickel	0	0.0	0	40	39	-3	625	620	-1
Potassium	0	-0.15	0	5000	5000	0	37500	38000	1
Selenium	0	0.010	0	35	31	-11	1250	1200	-4
Silver	0	-0	0	10	11	10	312.5	310	-1
Sodium	0	0.55	0	5000	4600	-8	37500	38000	1
Thallium	0	-0.010	0	25	28	12	1250	1300	4
Vanadium	0	-0.010	0	50	59	18	625	650	4
Zinc	0	0.0	0	60	61	2	3750	3600	-4

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	77000	-1	155000	160000	3	310000	300000	-3
Antimony	2500	2400	-4	5000	5000	0	10000	10000	0
Arsenic	2500	2600	4	5000	5100	2	10000	9800	-2
Barium	5000	5000	0	10000	10000	0	20000	20000	0
Beryllium	250	260	4	500	520	4	1000	970	-3
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	260000	4	500000	490000	-2
Chromium	7750	8000	3	15500	16000	3	31000	30000	-3
Cobalt	1250	1300	4	2500	2500	0	5000	4900	-2
Copper	7500	7600	1	15000	15000	0	30000	29000	-3
Iron	75000	78000	4	150000	150000	0	300000	290000	-3
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	130000	4	250000	260000	4	500000	480000	-4
Manganese	7500	7700	3	15000	15000	0	30000	29000	-3
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	76000	1	150000	150000	0	300000	290000	-3
Selenium	2500	2400	-4	5000	5000	0	10000	10000	0
Silver	625	620	-1	1250	1300	4	2500	2500	0
Sodium	75000	74000	-1	150000	150000	0	300000	290000	-3
Thallium	2500	2600	4	5000	5100	2	10000	9700	-3
Vanadium	1250	1300	4	2500	2600	4	5000	4900	-2
Zinc	7500	7200	-4	15000	15000	0	30000	30000	0

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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	800000	0						
Magnesium	800000	800000	0						
Sodium	800000	810000	1						

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 Lab Code: ACE Case No.: 51979 MA No.: _____ SDG No.: MBHHA3
 Instrument ID: P5 Start Date: 02/12/2025
 Analytical Method: ICP-AES Run Batch: LB134696
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	-0.040	0	200	250	25	38750	39000	1
Antimony	0	0.010	0	60	57	-5	1250	1200	-4
Arsenic	0	-0	0	10	11	10	1250	1300	4
Barium	0	-0.010	0	200	210	5	2500	2500	0
Beryllium	0	-0	0	5	5.4	8	125	130	4
Cadmium	0	0.0	0	5	4.7	-6	625	610	-2
Calcium	0	-0.70	0	5000	5300	6	62500	65000	4
Chromium	0	-0	0	10	10	0	3875	4000	3
Cobalt	0	-0	0	50	51	2	625	630	1
Copper	0	0.0	0	25	23	-8	3750	3800	1
Iron	0	-0.020	0	100	110	10	37500	40000	7
Lead	0	0.0	0	10	7.5	-25	6250	6200	-1
Magnesium	0	-0.73	0	5000	5300	6	62500	66000	6
Manganese	0	-0	0	15	17	13	3750	3900	4
Nickel	0	0.0	0	40	38	-5	625	620	-1
Potassium	0	-0.55	0	5000	5300	6	37500	38000	1
Selenium	0	0.0	0	35	34	-3	1250	1200	-4
Silver	0	0.0	0	10	9.8	-2	312.5	310	-1
Sodium	0	0.14	0	5000	5000	0	37500	37000	-1
Thallium	0	-0	0	25	27	8	1250	1300	4
Vanadium	0	-0	0	50	53	6	625	640	2
Zinc	0	0.0	0	60	61	2	3750	3600	-4

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	78000	1	155000	150000	-3	310000	300000	-3
Antimony	2500	2500	0	5000	4900	-2	10000	10000	0
Arsenic	2500	2600	4	5000	5100	2	10000	9700	-3
Barium	5000	5100	2	10000	10000	0	20000	20000	0
Beryllium	250	260	4	500	500	0	1000	990	-1
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	250000	0	500000	490000	-2
Chromium	7750	8000	3	15500	16000	3	31000	31000	0
Cobalt	1250	1300	4	2500	2500	0	5000	5000	0
Copper	7500	7700	3	15000	15000	0	30000	30000	0
Iron	75000	80000	7	150000	150000	0	300000	300000	0
Lead	12500	13000	4	25000	25000	0	50000	50000	0
Magnesium	125000	130000	4	250000	250000	0	500000	490000	-2
Manganese	7500	7800	4	15000	15000	0	30000	29000	-3
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	77000	3	150000	150000	0	300000	300000	0
Selenium	2500	2500	0	5000	4900	-2	10000	10000	0
Silver	625	620	-1	1250	1200	-4	2500	2500	0
Sodium	75000	75000	0	150000	150000	0	300000	290000	-3
Thallium	2500	2600	4	5000	5000	0	10000	9800	-2
Vanadium	1250	1300	4	2500	2500	0	5000	4900	-2
Zinc	7500	7500	0	15000	15000	0	30000	30000	0

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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	800000	0						
Sodium	800000	810000	1						