

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51955 MA No.: _____ SDG No.: YE8D0
 Instrument ID: P4 Start Date: 03/04/2025
 Analytical Method: ICP-AES Run Batch: LB134905
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.080	0	200	170	-15	38750	34000	-12
Antimony	0	0.010	0	60	56	-7	1250	1100	-12
Arsenic	0	0.0	0	10	9.9	-1	1250	1100	-12
Barium	0	0.040	0	200	180	-10	2500	2400	-4
Beryllium	0	-0	0	5	5.4	8	125	130	4
Cadmium	0	-0	0	5	5.0	0	625	630	1
Calcium	0	0.80	0	5000	4600	-8	62500	59000	-6
Chromium	0	-0	0	10	11	10	3875	4100	6
Cobalt	0	-0	0	50	50	0	625	630	1
Copper	0	-0.010	0	25	31	24	3750	3700	-1
Iron	0	0.0	0	100	100	0	37500	37000	-1
Lead	0	0.0	0	10	9.5	-5	6250	6300	1
Magnesium	0	1.7	0	5000	4200	-16	62500	56000	-10
Manganese	0	0.0	0	15	15	0	3750	3700	-1
Nickel	0	-0	0	40	40	0	625	630	1
Potassium	0	1.5	0	5000	4300	-14	37500	33000	-12
Selenium	0	0.010	0	35	32	-9	1250	1200	-4
Silver	0	0.0	0	10	9.1	-9	312.5	300	-4
Sodium	0	0.33	0	5000	5000	0	37500	37000	-1
Thallium	0	-0	0	25	27	8	1250	1300	4
Vanadium	0	-0	0	50	50	0	625	640	2
Zinc	0	0.010	0	60	57	-5	3750	3600	-4

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	69000	-11	155000	150000	-3	310000	310000	0
Antimony	2500	2300	-8	5000	4900	-2	10000	10000	0
Arsenic	2500	2300	-8	5000	4900	-2	10000	10000	0
Barium	5000	4800	-4	10000	9900	-1	20000	20000	0
Beryllium	250	260	4	500	500	0	1000	980	-2
Cadmium	1250	1300	4	2500	2500	0	5000	4900	-2
Calcium	125000	120000	-4	250000	250000	0	500000	500000	0
Chromium	7750	8000	3	15500	16000	3	31000	30000	-3
Cobalt	1250	1300	4	2500	2500	0	5000	5000	0
Copper	7500	7400	-1	15000	15000	0	30000	30000	0
Iron	75000	73000	-3	150000	150000	0	300000	300000	0
Lead	12500	13000	4	25000	25000	0	50000	50000	0
Magnesium	125000	110000	-12	250000	240000	-4	500000	500000	0
Manganese	7500	7400	-1	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	69000	-8	150000	150000	0	300000	310000	3
Selenium	2500	2400	-4	5000	4900	-2	10000	10000	0
Silver	625	600	-4	1250	1200	-4	2500	2600	4
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	2500	0	5000	4900	-2
Zinc	7500	7200	-4	15000	15000	0	30000	31000	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	810000	1						
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	800000	830000	4						
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	810000	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: 03/05/2025
 Analytical Method: ICP-AES Run Batch: LB134916
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.10	0	200	160	-20	38750	34000	-12
Antimony	0	0.010	0	60	55	-8	1250	1100	-12
Arsenic	0	0.0	0	10	11	10	1250	1100	-12
Barium	0	0.040	0	200	180	-10	2500	2400	-4
Beryllium	0	-0	0	5	5.2	4	125	130	4
Cadmium	0	-0	0	5	4.9	-2	625	640	2
Calcium	0	0.96	0	5000	4500	-10	62500	60000	-4
Chromium	0	-0	0	10	11	10	3875	4100	6
Cobalt	0	-0	0	50	49	-2	625	630	1
Copper	0	-0	0	25	29	16	3750	3800	1
Iron	0	0.010	0	100	94	-6	37500	37000	-1
Lead	0	-0	0	10	11	10	6250	6300	1
Magnesium	0	1.9	0	5000	4100	-18	62500	57000	-9
Manganese	0	0.0	0	15	14	-7	3750	3700	-1
Nickel	0	-0	0	40	40	0	625	640	2
Potassium	0	1.7	0	5000	4000	-20	37500	34000	-9
Selenium	0	0.010	0	35	32	-9	1250	1200	-4
Silver	0	0.0	0	10	9.5	-5	312.5	300	-4
Sodium	0	0.46	0	5000	5000	0	37500	36000	-4
Thallium	0	-0.010	0	25	29	16	1250	1300	4
Vanadium	0	-0	0	50	51	2	625	640	2
Zinc	0	0.010	0	60	53	-12	3750	3600	-4

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 Analytical Method: ICP-AES Run Batch: LB134916
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	69000	-11	155000	140000	-10	310000	300000	-3
Antimony	2500	2300	-8	5000	4800	-4	10000	11000	10
Arsenic	2500	2300	-8	5000	4800	-4	10000	10000	0
Barium	5000	4900	-2	10000	9800	-2	20000	20000	0
Beryllium	250	260	4	500	500	0	1000	980	-2
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	74000	-1	150000	140000	-7	300000	300000	0
Lead	12500	13000	4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	230000	-8	500000	490000	-2
Manganese	7500	7500	0	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	70000	-7	150000	140000	-7	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	290000	-3
Thallium	2500	2600	4	5000	5000	0	10000	9900	-1
Vanadium	1250	1300	4	2500	2500	0	5000	4900	-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	840000	5						
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	810000	1						
Lead	0	0.0	0						
Magnesium	800000	840000	5						
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	820000	3						
Thallium	0	0.0	0						
Vanadium	0	0.0	0						
Zinc	0	0.0	0						

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Instrument ID: P4 Start Date: 03/07/2025
Analytical Method: ICP-AES Run Batch: LB134953
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.090	0	200	160	-20	38750	35000	-10
Calcium	0	0.84	0	5000	4600	-8	62500	61000	-2
Iron	0	0.010	0	100	92	-8	37500	38000	1
Magnesium	0	1.7	0	5000	4100	-18	62500	58000	-7
Manganese	0	-0	0	15	15	0	3750	3800	1
Potassium	0	1.2	0	5000	4200	-16	37500	35000	-7
Sodium	0	1.7	0	5000	4400	-12	37500	35000	-7

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Instrument ID: P4 Start Date: 03/07/2025
Analytical Method: ICP-AES Run Batch: LB134953
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	71000	-8	155000	140000	-10	310000	290000	-6
Calcium	125000	120000	-4	250000	240000	-4	500000	470000	-6
Iron	75000	76000	1	150000	140000	-7	300000	290000	-3
Magnesium	125000	120000	-4	250000	230000	-8	500000	480000	-4
Manganese	7500	7700	3	15000	15000	0	30000	30000	0
Potassium	75000	74000	-1	150000	150000	0	300000	310000	3
Sodium	75000	70000	-7	150000	140000	-7	300000	290000	-3

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Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	840000	5						
Calcium	800000	840000	5						
Iron	800000	820000	3						
Magnesium	800000	850000	6						
Manganese	0	0.0	0						
Potassium	0	0.0	0						
Sodium	800000	830000	4						