

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51698 MA No.: _____ SDG No.: MBHCH8
 Instrument ID: P5 Start Date: 10/31/2024
 Analytical Method: ICP-AES Run Batch: LB133244
 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	0.020	0	60	54	-10	1250	1100	-12
Arsenic	0	-0	0	10	11	10	1250	1200	-4
Barium	0	-0.020	0	200	210	5	2500	2500	0
Beryllium	0	-0	0	5	5.4	8	125	130	4
Cadmium	0	-0	0	5	5.3	6	625	640	2
Calcium	0	-1.1	0	5000	5600	12	62500	66000	6
Chromium	0	-0	0	10	12	20	3875	4100	6
Cobalt	0	-0	0	50	50	0	625	620	-1
Copper	0	0.0	0	25	22	-12	3750	3800	1
Iron	0	-0.020	0	100	100	0	37500	41000	9
Lead	0	-0	0	10	11	10	6250	6200	-1
Magnesium	0	-0.55	0	5000	5400	8	62500	63000	1
Manganese	0	-0	0	15	17	13	3750	3900	4
Nickel	0	-0	0	40	43	8	625	630	1
Potassium	0	0.32	0	5000	4900	-2	37500	36000	-4
Selenium	0	0.0	0	35	37	6	1250	1100	-12
Silver	0	-0	0	10	12	20	312.5	320	2
Sodium	0	-0.13	0	5000	5200	4	37500	37000	-1
Thallium	0	-0	0	25	24	-4	1250	1300	4
Vanadium	0	-0	0	50	48	-4	625	640	2
Zinc	0	0.010	0	60	57	-5	3750	3500	-7

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	77000	-1	155000	150000	-3	310000	300000	-3
Antimony	2500	2300	-8	5000	4800	-4	10000	11000	10
Arsenic	2500	2400	-4	5000	5000	0	10000	10000	0
Barium	5000	5100	2	10000	10000	0	20000	20000	0
Beryllium	250	260	4	500	510	2	1000	980	-2
Cadmium	1250	1300	4	2500	2600	4	5000	4900	-2
Calcium	125000	130000	4	250000	260000	4	500000	500000	0
Chromium	7750	8100	5	15500	16000	3	31000	30000	-3
Cobalt	1250	1300	4	2500	2500	0	5000	4900	-2
Copper	7500	7700	3	15000	15000	0	30000	30000	0
Iron	75000	81000	8	150000	160000	7	300000	300000	0
Lead	12500	13000	4	25000	25000	0	50000	50000	0
Magnesium	125000	130000	4	250000	250000	0	500000	500000	0
Manganese	7500	7800	4	15000	15000	0	30000	29000	-3
Nickel	1250	1300	4	2500	2500	0	5000	4900	-2
Potassium	75000	74000	-1	150000	150000	0	300000	300000	0
Selenium	2500	2400	-4	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	5100	2	10000	9700	-3
Vanadium	1250	1300	4	2500	2600	4	5000	4900	-2
Zinc	7500	7100	-5	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	790000	-1						
Iron	800000	790000	-1						
Magnesium	800000	800000	0						
Sodium	800000	810000	1						

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 Lab Code: ACE Case No.: 51698 MA No.: _____ SDG No.: MBHCH8
 Instrument ID: P5 Start Date: 11/07/2024
 Analytical Method: ICP-AES Run Batch: LB133346
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.040	0	200	160	-20	38750	38000	-2
Antimony	0	0.010	0	60	57	-5	1250	1100	-12
Arsenic	0	-0	0	10	12	20	1250	1200	-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	5	5.1	2	625	630	1
Calcium	0	-0.90	0	5000	5500	10	62500	65000	4
Chromium	0	-0	0	10	12	20	3875	4100	6
Cobalt	0	0.0	0	50	50	0	625	620	-1
Copper	0	0.0	0	25	20	-20	3750	3800	1
Iron	0	0.010	0	100	75	-25	37500	41000	9
Lead	0	-0	0	10	10	0	6250	6200	-1
Magnesium	0	0.10	0	5000	5300	6	62500	60000	-4
Manganese	0	-0	0	15	18	20	3750	3900	4
Nickel	0	-0	0	40	41	3	625	630	1
Potassium	0	0.51	0	5000	4800	-4	37500	36000	-4
Selenium	0	0.010	0	35	32	-9	1250	1100	-12
Silver	0	-0	0	10	11	10	312.5	310	-1
Sodium	0	-0.17	0	5000	5100	2	37500	38000	1
Thallium	0	-0	0	25	24	-4	1250	1300	4
Vanadium	0	-0.010	0	50	61	22	625	630	1
Zinc	0	0.010	0	60	58	-3	3750	3500	-7

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	79000	2	155000	150000	-3	310000	320000	3
Antimony	2500	2300	-8	5000	4700	-6	10000	11000	10
Arsenic	2500	2500	0	5000	4900	-2	10000	10000	0
Barium	5000	5100	2	10000	9800	-2	20000	20000	0
Beryllium	250	260	4	500	490	-2	1000	1000	0
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	250000	0	500000	510000	2
Chromium	7750	8100	5	15500	15000	-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	82000	9	150000	150000	0	300000	310000	3
Lead	12500	13000	4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	240000	-4	500000	500000	0
Manganese	7500	7900	5	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	75000	0	150000	150000	0	300000	310000	3
Selenium	2500	2400	-4	5000	4700	-6	10000	10000	0
Silver	625	620	-1	1250	1200	-4	2500	2500	0
Sodium	75000	77000	3	150000	150000	0	300000	300000	0
Thallium	2500	2600	4	5000	5000	0	10000	9800	-2
Vanadium	1250	1300	4	2500	2500	0	5000	5000	0
Zinc	7500	7200	-4	15000	14000	-7	30000	31000	3

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	800000	0						
Calcium	800000	780000	-3						
Iron	800000	780000	-3						
Magnesium	800000	820000	3						
Sodium	800000	800000	0						