

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51716 MA No.: _____ SDG No.: MC0PI2
 Instrument ID: P5 Start Date: 11/17/2024
 Analytical Method: ICP-AES Run Batch: LB133479
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	-230	0	200	200	0	38750	36000	-7
Antimony	0	-3.8	0	60	56	-7	1250	1100	-12
Arsenic	0	-3.8	0	10	9.4	-6	1250	1100	-12
Barium	0	-7.7	0	200	220	10	2500	2500	0
Beryllium	0	-0.38	0	5	5.6	12	125	120	-4
Cadmium	0	-1.9	0	5	5.4	8	625	610	-2
Calcium	0	-310	0	5000	5700	14	62500	63000	1
Chromium	0	-12	0	10	11	10	3875	4000	3
Cobalt	0	-1.9	0	50	52	4	625	610	-2
Copper	0	-11	0	25	23	-8	3750	3800	1
Iron	0	-230	0	100	110	10	37500	38000	1
Lead	0	-19	0	10	8.7	-13	6250	6100	-2
Magnesium	0	-310	0	5000	5400	8	62500	60000	-4
Manganese	0	-11	0	15	18	20	3750	3900	4
Nickel	0	-1.9	0	40	43	8	625	620	-1
Potassium	0	-120	0	5000	5100	2	37500	36000	-4
Selenium	0	-3.8	0	35	28	-20	1250	1100	-12
Silver	0	-0.94	0	10	12	20	312.5	300	-4
Sodium	0	-260	0	5000	5100	2	37500	36000	-4
Thallium	0	-3.8	0	25	31	24	1250	1300	4
Vanadium	0	-1.9	0	50	52	4	625	630	1
Zinc	0	-11	0	60	55	-8	3750	3200	-15

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	73000	-6	155000	150000	-3	310000	310000	0
Antimony	2500	2300	-8	5000	4800	-4	10000	11000	10
Arsenic	2500	2300	-8	5000	5000	0	10000	10000	0
Barium	5000	5000	0	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	500	0	1000	1000	0
Cadmium	1250	1200	-4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	250000	0	500000	500000	0
Chromium	7750	8000	3	15500	16000	3	31000	30000	-3
Cobalt	1250	1200	-4	2500	2500	0	5000	5000	0
Copper	7500	7500	0	15000	15000	0	30000	30000	0
Iron	75000	77000	3	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	7600	1	15000	15000	0	30000	30000	0
Nickel	1250	1200	-4	2500	2500	0	5000	5000	0
Potassium	75000	73000	-3	150000	150000	0	300000	300000	0
Selenium	2500	2300	-8	5000	4900	-2	10000	11000	10
Silver	625	600	-4	1250	1200	-4	2500	2600	4
Sodium	75000	73000	-3	150000	150000	0	300000	300000	0
Thallium	2500	2600	4	5000	5100	2	10000	9800	-2
Vanadium	1250	1300	4	2500	2500	0	5000	5000	0
Zinc	7500	6700	-11	15000	14000	-7	30000	32000	7

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Analytical Method: ICP-AES Run Batch: LB133479
Concentration Units: ug/L

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

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 Instrument ID: P5 Start Date: 11/17/2024
 Analytical Method: ICP-AES Run Batch: LB133481
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.030	0	200	210	5	38750	36000	-7
Antimony	0	0.020	0	60	58	-3	1250	1100	-12
Arsenic	0	0.0	0	10	9.7	-3	1250	1100	-12
Barium	0	-0.020	0	200	230	15	2500	2500	0
Beryllium	0	-0	0	5	5.8	16	125	130	4
Cadmium	0	-0	0	5	5.5	10	625	610	-2
Calcium	0	-0.62	0	5000	5700	14	62500	62000	-1
Chromium	0	-0	0	10	12	20	3875	4000	3
Cobalt	0	-0	0	50	53	6	625	610	-2
Copper	0	-0	0	25	30	20	3750	3700	-1
Iron	0	-0	0	100	110	10	37500	38000	1
Lead	0	0.0	0	10	7.4	-26	6250	6100	-2
Magnesium	0	0.19	0	5000	5400	8	62500	59000	-6
Manganese	0	-0	0	15	18	20	3750	3800	1
Nickel	0	-0	0	40	44	10	625	610	-2
Potassium	0	-0.080	0	5000	5400	8	37500	36000	-4
Selenium	0	0.0	0	35	40	14	1250	1100	-12
Silver	0	-0	0	10	12	20	312.5	300	-4
Sodium	0	0.53	0	5000	5000	0	37500	36000	-4
Thallium	0	-0.010	0	25	30	20	1250	1300	4
Vanadium	0	-0.010	0	50	56	12	625	620	-1
Zinc	0	0.020	0	60	56	-7	3750	3200	-15

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 Analytical Method: ICP-AES Run Batch: LB133481
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	72000	-7	155000	150000	-3	310000	300000	-3
Antimony	2500	2200	-12	5000	4800	-4	10000	11000	10
Arsenic	2500	2300	-8	5000	4900	-2	10000	10000	0
Barium	5000	5000	0	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	500	0	1000	1000	0
Cadmium	1250	1200	-4	2500	2500	0	5000	5000	0
Calcium	125000	120000	-4	250000	250000	0	500000	500000	0
Chromium	7750	7900	2	15500	16000	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	75000	0	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	7600	1	15000	15000	0	30000	30000	0
Nickel	1250	1200	-4	2500	2500	0	5000	5000	0
Potassium	75000	73000	-3	150000	150000	0	300000	300000	0
Selenium	2500	2200	-12	5000	4800	-4	10000	11000	10
Silver	625	600	-4	1250	1200	-4	2500	2600	4
Sodium	75000	72000	-4	150000	150000	0	300000	290000	-3
Thallium	2500	2600	4	5000	5000	0	10000	9900	-1
Vanadium	1250	1200	-4	2500	2500	0	5000	5000	0
Zinc	7500	6700	-11	15000	14000	-7	30000	32000	7

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Concentration Units: ug/L

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

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 Instrument ID: P5 Start Date: 11/18/2024
 Analytical Method: ICP-AES Run Batch: LB133486
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.040	0	200	200	0	38750	36000	-7
Antimony	0	0.010	0	60	58	-3	1250	1100	-12
Arsenic	0	0.0	0	10	8.3	-17	1250	1200	-4
Barium	0	-0.030	0	200	230	15	2500	2500	0
Beryllium	0	-0	0	5	5.8	16	125	130	4
Cadmium	0	-0	0	5	5.5	10	625	630	1
Calcium	0	-0.54	0	5000	5600	12	62500	63000	1
Chromium	0	-0	0	10	12	20	3875	4000	3
Cobalt	0	-0	0	50	53	6	625	620	-1
Copper	0	-0	0	25	29	16	3750	3800	1
Iron	0	-0.010	0	100	110	10	37500	38000	1
Lead	0	0.0	0	10	7.8	-22	6250	6200	-1
Magnesium	0	0.33	0	5000	5300	6	62500	59000	-6
Manganese	0	-0	0	15	18	20	3750	3900	4
Nickel	0	-0	0	40	44	10	625	630	1
Potassium	0	-0.15	0	5000	5400	8	37500	36000	-4
Selenium	0	0.010	0	35	32	-9	1250	1100	-12
Silver	0	-0	0	10	12	20	312.5	300	-4
Sodium	0	0.73	0	5000	4900	-2	37500	36000	-4
Thallium	0	-0	0	25	24	-4	1250	1300	4
Vanadium	0	-0.010	0	50	61	22	625	640	2
Zinc	0	0.020	0	60	57	-5	3750	3300	-12

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	71000	-8	155000	150000	-3	310000	300000	-3
Antimony	2500	2200	-12	5000	4700	-6	10000	11000	10
Arsenic	2500	2400	-4	5000	4800	-4	10000	10000	0
Barium	5000	5000	0	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	500	0	1000	1000	0
Cadmium	1250	1200	-4	2500	2500	0	5000	5000	0
Calcium	125000	120000	-4	250000	250000	0	500000	500000	0
Chromium	7750	7800	1	15500	16000	3	31000	31000	0
Cobalt	1250	1200	-4	2500	2500	0	5000	5000	0
Copper	7500	7400	-1	15000	15000	0	30000	30000	0
Iron	75000	74000	-1	150000	150000	0	300000	290000	-3
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	240000	-4	500000	490000	-2
Manganese	7500	7600	1	15000	15000	0	30000	30000	0
Nickel	1250	1200	-4	2500	2500	0	5000	5000	0
Potassium	75000	73000	-3	150000	150000	0	300000	300000	0
Selenium	2500	2300	-8	5000	4700	-6	10000	11000	10
Silver	625	610	-2	1250	1200	-4	2500	2600	4
Sodium	75000	71000	-5	150000	140000	-7	300000	290000	-3
Thallium	2500	2500	0	5000	5000	0	10000	9900	-1
Vanadium	1250	1300	4	2500	2500	0	5000	5000	0
Zinc	7500	6700	-11	15000	14000	-7	30000	32000	7

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Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	830000	4						
Calcium	800000	810000	1						
Iron	800000	810000	1						
Magnesium	800000	830000	4						
Sodium	800000	820000	3						