

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51716 MA No.: _____ SDG No.: MC0PI1
 Instrument ID: P5 Start Date: 10/30/2024
 Analytical Method: ICP-AES Run Batch: LB133243
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.010	0	200	190	-5	38750	38000	-2
Antimony	0	0.020	0	60	53	-12	1250	1100	-12
Arsenic	0	0.0	0	10	8.5	-15	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	-0.98	0	5000	5500	10	62500	65000	4
Chromium	0	-0	0	10	10	0	3875	4100	6
Cobalt	0	-0	0	50	50	0	625	620	-1
Copper	0	-0	0	25	27	8	3750	3800	1
Iron	0	-0.010	0	100	89	-11	37500	41000	9
Lead	0	-0	0	10	10	0	6250	6300	1
Magnesium	0	-0.58	0	5000	5500	10	62500	62000	-1
Manganese	0	-0	0	15	17	13	3750	3900	4
Nickel	0	-0	0	40	42	5	625	630	1
Potassium	0	0.17	0	5000	5000	0	37500	36000	-4
Selenium	0	0.0	0	35	35	0	1250	1200	-4
Silver	0	-0	0	10	10	0	312.5	310	-1
Sodium	0	-0.030	0	5000	5100	2	37500	37000	-1
Thallium	0	-0.010	0	25	30	20	1250	1300	4
Vanadium	0	-0.010	0	50	58	16	625	650	4
Zinc	0	0.010	0	60	57	-5	3750	3500	-7

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 Analytical Method: ICP-AES Run Batch: LB133243
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	77000	-1	155000	160000	3	310000	310000	0
Antimony	2500	2300	-8	5000	4800	-4	10000	10000	0
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	2500	0	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	7600	1	15000	15000	0	30000	30000	0
Iron	75000	81000	8	150000	160000	7	300000	300000	0
Lead	12500	13000	4	25000	25000	0	50000	49000	-2
Magnesium	125000	130000	4	250000	260000	4	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	630	1	1250	1300	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	7200	-4	15000	15000	0	30000	31000	3

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Instrument ID: P5 Start Date: 10/30/2024
Analytical Method: ICP-AES Run Batch: LB133243
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	800000	0						
Calcium	800000	790000	-1						
Iron	800000	780000	-3						
Magnesium	800000	800000	0						
Sodium	800000	800000	0						

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51716 MA No.: _____ SDG No.: MC0PI1
 Instrument ID: P5 Start Date: 11/12/2024
 Analytical Method: ICP-AES Run Batch: LB133417
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.020	0	200	190	-5	38750	36000	-7
Antimony	0	0.020	0	60	54	-10	1250	1000	-20
Arsenic	0	-0	0	10	13	30	1250	1100	-12
Barium	0	-0.010	0	200	210	5	2500	2400	-4
Beryllium	0	-0	0	5	5.4	8	125	120	-4
Cadmium	0	-0	0	5	5.3	6	625	610	-2
Calcium	0	-0.61	0	5000	5500	10	62500	62000	-1
Chromium	0	-0	0	10	11	10	3875	4000	3
Cobalt	0	0.0	0	50	51	2	625	590	-6
Copper	0	0.010	0	25	20	-20	3750	3600	-4
Iron	0	-0.030	0	100	120	20	37500	39000	4
Lead	0	0.0	0	10	10	0	6250	6000	-4
Magnesium	0	0.15	0	5000	5200	4	62500	58000	-7
Manganese	0	-0	0	15	17	13	3750	3700	-1
Nickel	0	-0	0	40	43	8	625	600	-4
Potassium	0	0.77	0	5000	4800	-4	37500	34000	-9
Selenium	0	0.010	0	35	35	0	1250	1100	-12
Silver	0	0.0	0	10	11	10	312.5	300	-4
Sodium	0	-0.37	0	5000	5500	10	37500	36000	-4
Thallium	0	-0	0	25	26	4	1250	1200	-4
Vanadium	0	-0.010	0	50	61	22	625	610	-2
Zinc	0	0.010	0	60	56	-7	3750	3400	-9

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 Instrument ID: P5 Start Date: 11/12/2024
 Analytical Method: ICP-AES Run Batch: LB133417
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	75000	-3	155000	160000	3	310000	320000	3
Antimony	2500	2200	-12	5000	4700	-6	10000	11000	10
Arsenic	2500	2300	-8	5000	4900	-2	10000	10000	0
Barium	5000	4900	-2	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	510	2	1000	1000	0
Cadmium	1250	1200	-4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	260000	4	500000	510000	2
Chromium	7750	7700	-1	15500	16000	3	31000	31000	0
Cobalt	1250	1200	-4	2500	2500	0	5000	5000	0
Copper	7500	7300	-3	15000	15000	0	30000	30000	0
Iron	75000	79000	5	150000	160000	7	300000	310000	3
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	250000	0	500000	510000	2
Manganese	7500	7600	1	15000	15000	0	30000	30000	0
Nickel	1250	1200	-4	2500	2500	0	5000	5000	0
Potassium	75000	71000	-5	150000	150000	0	300000	310000	3
Selenium	2500	2200	-12	5000	4800	-4	10000	11000	10
Silver	625	590	-6	1250	1200	-4	2500	2600	4
Sodium	75000	74000	-1	150000	150000	0	300000	310000	3
Thallium	2500	2500	0	5000	5100	2	10000	9900	-1
Vanadium	1250	1200	-4	2500	2500	0	5000	5000	0
Zinc	7500	6800	-9	15000	14000	-7	30000	32000	7

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Instrument ID: P5 Start Date: 11/12/2024
Analytical Method: ICP-AES Run Batch: LB133417
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	800000	0						
Calcium	800000	780000	-3						
Iron	800000	780000	-3						
Magnesium	800000	790000	-1						
Sodium	800000	790000	-1						

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 Lab Code: ACE Case No.: 51716 MA No.: _____ SDG No.: MC0PI1
 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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 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	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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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	800000	820000	3						
Calcium	800000	800000	0						
Iron	800000	810000	1						
Magnesium	800000	820000	3						
Sodium	800000	810000	1						