

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHHE1
 Instrument ID: P5 Start Date: 11/20/2024
 Analytical Method: ICP-AES Run Batch: LB133543
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.020	0	200	190	-5	38750	37000	-5
Antimony	0	0.020	0	60	53	-12	1250	1100	-12
Arsenic	0	0.0	0	10	10	0	1250	1100	-12
Barium	0	-0.020	0	200	210	5	2500	2500	0
Beryllium	0	-0	0	5	5.4	8	125	120	-4
Cadmium	0	-0	0	5	5.4	8	625	620	-1
Calcium	0	-0.95	0	5000	5600	12	62500	63000	1
Chromium	0	-0	0	10	11	10	3875	4000	3
Cobalt	0	-0	0	50	51	2	625	610	-2
Copper	0	0.0	0	25	25	0	3750	3700	-1
Iron	0	-0.030	0	100	120	20	37500	38000	1
Lead	0	-0	0	10	11	10	6250	6100	-2
Magnesium	0	0.14	0	5000	5100	2	62500	59000	-6
Manganese	0	-0	0	15	18	20	3750	3800	1
Nickel	0	-0.010	0	40	45	13	625	620	-1
Potassium	0	0.35	0	5000	5000	0	37500	35000	-7
Selenium	0	0.010	0	35	34	-3	1250	1100	-12
Silver	0	0.0	0	10	11	10	312.5	290	-7
Sodium	0	-0.030	0	5000	5100	2	37500	36000	-4
Thallium	0	-0	0	25	26	4	1250	1300	4
Vanadium	0	-0	0	50	51	2	625	620	-1
Zinc	0	0.010	0	60	64	7	3750	3200	-15

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 Analytical Method: ICP-AES Run Batch: LB133543
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	76000	-2	155000	160000	3	310000	310000	0
Antimony	2500	2300	-8	5000	4800	-4	10000	11000	10
Arsenic	2500	2400	-4	5000	4900	-2	10000	10000	0
Barium	5000	5100	2	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	510	2	1000	990	-1
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	260000	4	500000	510000	2
Chromium	7750	8000	3	15500	16000	3	31000	30000	-3
Cobalt	1250	1300	4	2500	2500	0	5000	5000	0
Copper	7500	7500	0	15000	15000	0	30000	30000	0
Iron	75000	79000	5	150000	160000	7	300000	300000	0
Lead	12500	13000	4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	250000	0	500000	500000	0
Manganese	7500	7700	3	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	74000	-1	150000	150000	0	300000	300000	0
Selenium	2500	2300	-8	5000	4800	-4	10000	11000	10
Silver	625	600	-4	1250	1200	-4	2500	2600	4
Sodium	75000	75000	0	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	6800	-9	15000	14000	-7	30000	32000	7

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Analytical Method: ICP-AES Run Batch: LB133543
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	800000	0						
Calcium	800000	780000	-3						
Iron	800000	790000	-1						
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.: 51879 MA No.: _____ SDG No.: MBHHE1
 Instrument ID: P5 Start Date: 11/21/2024
 Analytical Method: ICP-AES Run Batch: LB133566
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.020	0	200	190	-5	38750	37000	-5
Antimony	0	0.020	0	60	55	-8	1250	1100	-12
Arsenic	0	0.0	0	10	9.0	-10	1250	1100	-12
Barium	0	-0.010	0	200	210	5	2500	2500	0
Beryllium	0	-0	0	5	5.4	8	125	120	-4
Cadmium	0	-0	0	5	5.3	6	625	620	-1
Calcium	0	-0.71	0	5000	5600	12	62500	63000	1
Chromium	0	-0	0	10	11	10	3875	4000	3
Cobalt	0	0.0	0	50	51	2	625	610	-2
Copper	0	-0	0	25	26	4	3750	3700	-1
Iron	0	-0.030	0	100	120	20	37500	39000	4
Lead	0	-0	0	10	12	20	6250	6100	-2
Magnesium	0	0.14	0	5000	5200	4	62500	60000	-4
Manganese	0	-0	0	15	17	13	3750	3800	1
Nickel	0	-0	0	40	44	10	625	620	-1
Potassium	0	0.31	0	5000	5000	0	37500	36000	-4
Selenium	0	0.0	0	35	38	9	1250	1100	-12
Silver	0	-0	0	10	11	10	312.5	290	-7
Sodium	0	0.68	0	5000	4600	-8	37500	36000	-4
Thallium	0	-0	0	25	27	8	1250	1300	4
Vanadium	0	0.0	0	50	50	0	625	620	-1
Zinc	0	0.0	0	60	68	13	3750	3400	-9

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 Analytical Method: ICP-AES Run Batch: LB133566
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	74000	-5	155000	160000	3	310000	310000	0
Antimony	2500	2200	-12	5000	4800	-4	10000	11000	10
Arsenic	2500	2300	-8	5000	5000	0	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	120000	-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	76000	1	150000	150000	0	300000	300000	0
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	120000	-4	250000	250000	0	500000	510000	2
Manganese	7500	7500	0	15000	15000	0	30000	30000	0
Nickel	1250	1200	-4	2500	2500	0	5000	5000	0
Potassium	75000	71000	-5	150000	150000	0	300000	300000	0
Selenium	2500	2200	-12	5000	4800	-4	10000	11000	10
Silver	625	590	-6	1250	1200	-4	2500	2600	4
Sodium	75000	72000	-4	150000	150000	0	300000	300000	0
Thallium	2500	2500	0	5000	5100	2	10000	9900	-1
Vanadium	1250	1200	-4	2500	2500	0	5000	5000	0
Zinc	7500	6700	-11	15000	15000	0	30000	31000	3

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Instrument ID: P5 Start Date: 11/21/2024
Analytical Method: ICP-AES Run Batch: LB133566
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	800000	0						
Calcium	800000	780000	-3						
Iron	800000	790000	-1						
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.: 51879 MA No.: _____ SDG No.: MBHHE1
 Instrument ID: P5 Start Date: 12/02/2024
 Analytical Method: ICP-AES Run Batch: LB133698
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.010	0	200	200	0	38750	38000	-2
Antimony	0	0.010	0	60	57	-5	1250	1100	-12
Arsenic	0	-0	0	10	12	20	1250	1100	-12
Barium	0	-0.030	0	200	230	15	2500	2500	0
Beryllium	0	-0	0	5	6.1	22	125	130	4
Cadmium	0	-0	0	5	5.6	12	625	620	-1
Calcium	0	-0.97	0	5000	5800	16	62500	64000	2
Chromium	0	-0	0	10	13	30	3875	4100	6
Cobalt	0	-0	0	50	52	4	625	610	-2
Copper	0	-0	0	25	27	8	3750	3800	1
Iron	0	-0.020	0	100	110	10	37500	39000	4
Lead	0	0.0	0	10	8.1	-19	6250	6200	-1
Magnesium	0	-0.060	0	5000	5400	8	62500	61000	-2
Manganese	0	-0	0	15	19	27	3750	3900	4
Nickel	0	-0.010	0	40	45	13	625	620	-1
Potassium	0	0.30	0	5000	5100	2	37500	36000	-4
Selenium	0	0.0	0	35	37	6	1250	1100	-12
Silver	0	-0	0	10	12	20	312.5	300	-4
Sodium	0	-0.81	0	5000	5900	18	37500	38000	1
Thallium	0	-0.010	0	25	30	20	1250	1300	4
Vanadium	0	-0.010	0	50	60	20	625	640	2
Zinc	0	-0	0	60	71	18	3750	3400	-9

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 Instrument ID: P5 Start Date: 12/02/2024
 Analytical Method: ICP-AES Run Batch: LB133698
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	75000	-3	155000	150000	-3	310000	310000	0
Antimony	2500	2300	-8	5000	4700	-6	10000	11000	10
Arsenic	2500	2300	-8	5000	4900	-2	10000	10000	0
Barium	5000	5000	0	10000	9900	-1	20000	20000	0
Beryllium	250	250	0	500	500	0	1000	990	-1
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	250000	0	500000	510000	2
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	13000	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	1300	4	2500	2500	0	5000	5000	0
Potassium	75000	73000	-3	150000	150000	0	300000	310000	3
Selenium	2500	2300	-8	5000	4700	-6	10000	11000	10
Silver	625	610	-2	1250	1200	-4	2500	2500	0
Sodium	75000	74000	-1	150000	150000	0	300000	300000	0
Thallium	2500	2600	4	5000	5000	0	10000	9900	-1
Vanadium	1250	1300	4	2500	2500	0	5000	5000	0
Zinc	7500	7000	-7	15000	14000	-7	30000	32000	7

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Instrument ID: P5 Start Date: 12/02/2024
Analytical Method: ICP-AES Run Batch: LB133698
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	800000	800000	0						
Calcium	800000	790000	-1						
Iron	800000	800000	0						
Magnesium	800000	810000	1						
Sodium	800000	800000	0						

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 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHHE1
 Instrument ID: P5 Start Date: 12/15/2024
 Analytical Method: ICP-AES Run Batch: LB133959
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.020	0	200	180	-10	38750	39000	1
Antimony	0	0.020	0	60	48	-20	1250	1100	-12
Arsenic	0	-0	0	10	12	20	1250	1300	4
Barium	0	0.010	0	200	200	0	2500	2500	0
Beryllium	0	-0	0	5	5.0	0	125	130	4
Cadmium	0	0.0	0	5	4.5	-10	625	610	-2
Calcium	0	-0.12	0	5000	5000	0	62500	63000	1
Chromium	0	-0	0	10	9.9	-1	3875	3900	1
Cobalt	0	0.0	0	50	48	-4	625	620	-1
Copper	0	0.0	0	25	24	-4	3750	3800	1
Iron	0	0.010	0	100	78	-22	37500	39000	4
Lead	0	0.0	0	10	10	0	6250	6100	-2
Magnesium	0	-0.57	0	5000	5200	4	62500	65000	4
Manganese	0	-0	0	15	17	13	3750	3800	1
Nickel	0	0.0	0	40	38	-5	625	610	-2
Potassium	0	0.20	0	5000	5000	0	37500	37000	-1
Selenium	0	0.010	0	35	26	-26	1250	1100	-12
Silver	0	0.0	0	10	9.8	-2	312.5	300	-4
Sodium	0	-0.22	0	5000	4900	-2	37500	39000	4
Thallium	0	0.0	0	25	23	-8	1250	1300	4
Vanadium	0	0.010	0	50	37	-26	625	630	1
Zinc	0	0.020	0	60	50	-17	3750	3400	-9

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 Analytical Method: ICP-AES Run Batch: LB133959
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	77000	-1	155000	150000	-3	310000	310000	0
Antimony	2500	2300	-8	5000	4800	-4	10000	11000	10
Arsenic	2500	2600	4	5000	5100	2	10000	9800	-2
Barium	5000	5000	0	10000	10000	0	20000	20000	0
Beryllium	250	250	0	500	500	0	1000	990	-1
Cadmium	1250	1200	-4	2500	2500	0	5000	5000	0
Calcium	125000	130000	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	7500	0	15000	15000	0	30000	30000	0
Iron	75000	78000	4	150000	160000	7	300000	310000	3
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	130000	4	250000	250000	0	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	74000	-1	150000	150000	0	300000	300000	0
Selenium	2500	2300	-8	5000	4800	-4	10000	10000	0
Silver	625	610	-2	1250	1200	-4	2500	2500	0
Sodium	75000	76000	1	150000	150000	0	300000	300000	0
Thallium	2500	2500	0	5000	5000	0	10000	9900	-1
Vanadium	1250	1300	4	2500	2500	0	5000	5000	0
Zinc	7500	7000	-7	15000	15000	0	30000	31000	3

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Analytical Method: ICP-AES Run Batch: LB133959
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	790000	-1						
Sodium	800000	800000	0						