

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHD2
 Instrument ID: P5 Start Date: 12/14/2024
 Analytical Method: ICP-AES Run Batch: LB133953
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	-0.010	0	200	220	10	38750	38000	-2
Antimony	0	0.020	0	60	51	-15	1250	1100	-12
Arsenic	0	-0	0	10	11	10	1250	1300	4
Barium	0	-0	0	200	210	5	2500	2500	0
Beryllium	0	-0	0	5	5.4	8	125	130	4
Cadmium	0	0.0	0	5	4.9	-2	625	620	-1
Calcium	0	-0.22	0	5000	5100	2	62500	63000	1
Chromium	0	-0	0	10	11	10	3875	4000	3
Cobalt	0	-0	0	50	52	4	625	630	1
Copper	0	-0	0	25	25	0	3750	3700	-1
Iron	0	-0.020	0	100	110	10	37500	39000	4
Lead	0	-0	0	10	11	10	6250	6100	-2
Magnesium	0	-0.82	0	5000	5500	10	62500	64000	2
Manganese	0	-0	0	15	16	7	3750	3800	1
Nickel	0	0.0	0	40	40	0	625	620	-1
Potassium	0	-0.050	0	5000	5300	6	37500	36000	-4
Selenium	0	0.010	0	35	28	-20	1250	1100	-12
Silver	0	-0	0	10	11	10	312.5	310	-1
Sodium	0	0.26	0	5000	4700	-6	37500	38000	1
Thallium	0	0.0	0	25	21	-16	1250	1300	4
Vanadium	0	-0	0	50	53	6	625	620	-1
Zinc	0	0.020	0	60	49	-18	3750	3400	-9

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 Analytical Method: ICP-AES Run Batch: LB133953
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	76000	-2	155000	150000	-3	310000	310000	0
Antimony	2500	2200	-12	5000	4800	-4	10000	11000	10
Arsenic	2500	2600	4	5000	5100	2	10000	9700	-3
Barium	5000	5000	0	10000	10000	0	20000	20000	0
Beryllium	250	260	4	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	7900	2	15500	15000	-3	31000	31000	0
Cobalt	1250	1300	4	2500	2500	0	5000	5000	0
Copper	7500	7600	1	15000	15000	0	30000	30000	0
Iron	75000	78000	4	150000	150000	0	300000	300000	0
Lead	12500	12000	-4	25000	25000	0	50000	50000	0
Magnesium	125000	130000	4	250000	250000	0	500000	500000	0
Manganese	7500	7700	3	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	620	-1	1250	1200	-4	2500	2500	0
Sodium	75000	76000	1	150000	150000	0	300000	300000	0
Thallium	2500	2500	0	5000	5100	2	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: 12/14/2024
Analytical Method: ICP-AES Run Batch: LB133953
Concentration Units: ug/L

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

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 Lab Code: ACE Case No.: 51879 MA No.: _____ SDG No.: MBHD2
 Instrument ID: P5 Start Date: 12/18/2024
 Analytical Method: ICP-AES Run Batch: LB134014
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	-0.030	0	200	240	20	38750	38000	-2
Antimony	0	0.010	0	60	57	-5	1250	1200	-4
Arsenic	0	-0	0	10	10	0	1250	1300	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	0	5	4.9	-2	625	620	-1
Calcium	0	-0.65	0	5000	5300	6	62500	64000	2
Chromium	0	-0	0	10	11	10	3875	3900	1
Cobalt	0	-0	0	50	53	6	625	640	2
Copper	0	-0	0	25	25	0	3750	3800	1
Iron	0	-0.030	0	100	120	20	37500	39000	4
Lead	0	0.0	0	10	7.5	-25	6250	6100	-2
Magnesium	0	-0.64	0	5000	5400	8	62500	64000	2
Manganese	0	-0	0	15	19	27	3750	3900	4
Nickel	0	0.0	0	40	40	0	625	620	-1
Potassium	0	-0.11	0	5000	5200	4	37500	37000	-1
Selenium	0	-0	0	35	37	6	1250	1200	-4
Silver	0	-0	0	10	11	10	312.5	300	-4
Sodium	0	-0.69	0	5000	5800	16	37500	37000	-1
Thallium	0	-0	0	25	26	4	1250	1300	4
Vanadium	0	0.0	0	50	45	-10	625	630	1
Zinc	0	0.020	0	60	51	-15	3750	3500	-7

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 Instrument ID: P5 Start Date: 12/18/2024
 Analytical Method: ICP-AES Run Batch: LB134014
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	78000	1	155000	150000	-3	310000	310000	0
Antimony	2500	2400	-4	5000	4800	-4	10000	10000	0
Arsenic	2500	2600	4	5000	5000	0	10000	9800	-2
Barium	5000	5100	2	10000	10000	0	20000	20000	0
Beryllium	250	260	4	500	500	0	1000	990	-1
Cadmium	1250	1300	4	2500	2500	0	5000	5000	0
Calcium	125000	130000	4	250000	250000	0	500000	490000	-2
Chromium	7750	7900	2	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	79000	5	150000	160000	7	300000	300000	0
Lead	12500	12000	-4	25000	25000	0	50000	51000	2
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	5000	0
Potassium	75000	75000	0	150000	150000	0	300000	300000	0
Selenium	2500	2500	0	5000	4900	-2	10000	10000	0
Silver	625	620	-1	1250	1200	-4	2500	2500	0
Sodium	75000	75000	0	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	7100	-5	15000	14000	-7	30000	31000	3

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Instrument ID: P5 Start Date: 12/18/2024
Analytical Method: ICP-AES Run Batch: LB134014
Concentration Units: ug/L

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

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 Instrument ID: P5 Start Date: 12/20/2024
 Analytical Method: ICP-AES Run Batch: LB134057
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.020	0	200	190	-5	38750	38000	-2
Antimony	0	0.020	0	60	49	-18	1250	1100	-12
Arsenic	0	-0	0	10	11	10	1250	1300	4
Barium	0	0.0	0	200	200	0	2500	2500	0
Beryllium	0	-0	0	5	5.2	4	125	130	4
Cadmium	0	0.0	0	5	4.8	-4	625	610	-2
Calcium	0	-0.090	0	5000	5000	0	62500	63000	1
Chromium	0	0.0	0	10	9.6	-4	3875	3900	1
Cobalt	0	0.0	0	50	50	0	625	620	-1
Copper	0	0.0	0	25	23	-8	3750	3700	-1
Iron	0	-0.010	0	100	100	0	37500	39000	4
Lead	0	0.0	0	10	7.4	-26	6250	6000	-4
Magnesium	0	-0.27	0	5000	5200	4	62500	63000	1
Manganese	0	-0	0	15	16	7	3750	3800	1
Nickel	0	0.0	0	40	38	-5	625	610	-2
Potassium	0	0.48	0	5000	4800	-4	37500	36000	-4
Selenium	0	0.010	0	35	29	-17	1250	1200	-4
Silver	0	0.0	0	10	9.5	-5	312.5	300	-4
Sodium	0	0.91	0	5000	4500	-10	37500	36000	-4
Thallium	0	-0	0	25	25	0	1250	1300	4
Vanadium	0	-0	0	50	52	4	625	620	-1
Zinc	0	0.030	0	60	45	-25	3750	3200	-15

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 Analytical Method: ICP-AES Run Batch: LB134057
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	76000	-2	155000	150000	-3	310000	310000	0
Antimony	2500	2300	-8	5000	4800	-4	10000	11000	10
Arsenic	2500	2600	4	5000	5000	0	10000	9800	-2
Barium	5000	5000	0	10000	9900	-1	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	7800	1	15500	16000	3	31000	31000	0
Cobalt	1250	1300	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	51000	2
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	73000	-3	150000	150000	0	300000	310000	3
Selenium	2500	2400	-4	5000	4800	-4	10000	10000	0
Silver	625	610	-2	1250	1200	-4	2500	2500	0
Sodium	75000	73000	-3	150000	150000	0	300000	300000	0
Thallium	2500	2500	0	5000	5000	0	10000	10000	0
Vanadium	1250	1200	-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: LB134057
Concentration Units: ug/L

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

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 Instrument ID: P5 Start Date: 12/23/2024
 Analytical Method: ICP-AES Run Batch: LB134069
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	-0.010	0	200	220	10	38750	38000	-2
Antimony	0	0.010	0	60	57	-5	1250	1200	-4
Arsenic	0	0.0	0	10	7.2	-28	1250	1300	4
Barium	0	0.0	0	200	200	0	2500	2500	0
Beryllium	0	-0	0	5	5.3	6	125	130	4
Cadmium	0	0.0	0	5	5.0	0	625	630	1
Calcium	0	-0.14	0	5000	5000	0	62500	63000	1
Chromium	0	0.0	0	10	9.6	-4	3875	4000	3
Cobalt	0	-0	0	50	51	2	625	630	1
Copper	0	-0	0	25	29	16	3750	3800	1
Iron	0	-0.030	0	100	120	20	37500	39000	4
Lead	0	0.0	0	10	8.4	-16	6250	6100	-2
Magnesium	0	-0.31	0	5000	5200	4	62500	63000	1
Manganese	0	-0	0	15	17	13	3750	3800	1
Nickel	0	-0	0	40	41	3	625	620	-1
Potassium	0	0.38	0	5000	4900	-2	37500	36000	-4
Selenium	0	0.0	0	35	32	-9	1250	1200	-4
Silver	0	0.0	0	10	9.8	-2	312.5	310	-1
Sodium	0	0.37	0	5000	5000	0	37500	36000	-4
Thallium	0	-0	0	25	28	12	1250	1300	4
Vanadium	0	-0.010	0	50	63	26	625	620	-1
Zinc	0	0.030	0	60	42	-30	3750	3400	-9

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 Analytical Method: ICP-AES Run Batch: LB134069
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	76000	-2	155000	150000	-3	310000	310000	0
Antimony	2500	2400	-4	5000	4800	-4	10000	10000	0
Arsenic	2500	2600	4	5000	5000	0	10000	9800	-2
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	2400	-4	5000	5000	0
Calcium	125000	130000	4	250000	250000	0	500000	500000	0
Chromium	7750	7900	2	15500	15000	-3	31000	31000	0
Cobalt	1250	1300	4	2500	2400	-4	5000	5000	0
Copper	7500	7500	0	15000	15000	0	30000	30000	0
Iron	75000	78000	4	150000	150000	0	300000	300000	0
Lead	12500	12000	-4	25000	24000	-4	50000	51000	2
Magnesium	125000	130000	4	250000	250000	0	500000	500000	0
Manganese	7500	7600	1	15000	15000	0	30000	30000	0
Nickel	1250	1300	4	2500	2400	-4	5000	5100	2
Potassium	75000	73000	-3	150000	150000	0	300000	310000	3
Selenium	2500	2500	0	5000	4800	-4	10000	10000	0
Silver	625	620	-1	1250	1200	-4	2500	2500	0
Sodium	75000	73000	-3	150000	150000	0	300000	300000	0
Thallium	2500	2500	0	5000	4900	-2	10000	10000	0
Vanadium	1250	1200	-4	2500	2500	0	5000	5000	0
Zinc	7500	7000	-7	15000	14000	-7	30000	32000	7

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Analytical Method: ICP-AES Run Batch: LB134069
Concentration Units: ug/L

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