

FORM 15-IN
INITIAL CALIBRATION

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51943 MA No.: _____ SDG No.: MC0B99
 Instrument ID: P8 Start Date: 01/17/2025
 Analytical Method: ICP-MS Run Batch: LB134335
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.0	0	20	19	-5	1000	1000	0
Antimony	0	0.0	0	2	2.1	5	50	51	2
Arsenic	0	0.0	0	1	1.0	0	50	52	4
Barium	0	0.0	0	10	11	10	250	260	4
Beryllium	0	0.0	0	1	1.1	10	50	53	6
Cadmium	0	0.0	0	1	1.1	10	50	53	6
Calcium	0	0.0	0	500	540	8	5000	5100	2
Chromium	0	0.0	0	2	2.1	5	50	52	4
Cobalt	0	0.0	0	1	1.1	10	50	54	8
Copper	0	0.0	0	2	2.3	15	500	570	14
Iron	0	0.0	0	50	56	12	2500	2700	8
Lead	0	0.0	0	1	1.0	0	250	250	0
Magnesium	0	0.0	0	500	610	22	5000	6000	20
Manganese	0	0.0	0	1	1.1	10	500	530	6
Nickel	0	0.0	0	1	1.1	10	50	54	8
Potassium	0	0.0	0	500	510	2	2500	2500	0
Selenium	0	0.0	0	5	5.3	6	50	54	8
Silver	0	0.0	0	1	1.1	10	50	53	6
Sodium	0	0.0	0	500	560	12	5000	5500	10
Thallium	0	0.0	0	1	0.99	-1	50	50	0
Vanadium	0	0.0	0	5	5.2	4	50	52	4
Zinc	0	0.0	0	5	5.5	10	500	550	10

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	2500	2600	4	5000	5000	0	10000	9700	-3
Antimony	125	130	4	250	260	4	500	500	0
Arsenic	125	130	4	250	260	4	500	500	0
Barium	625	650	4	1250	1300	4	2500	2500	0
Beryllium	125	130	4	250	260	4	500	510	2
Cadmium	125	130	4	250	260	4	500	520	4
Calcium	12500	13000	4	25000	25000	0	50000	50000	0
Chromium	125	130	4	250	260	4	500	510	2
Cobalt	125	140	12	250	270	8	500	530	6
Copper	1250	1400	12	2500	2700	8	5000	5200	4
Iron	6250	6800	9	12500	13000	4	25000	27000	8
Lead	625	630	1	1250	1300	4	2500	2500	0
Magnesium	12500	15000	20	25000	29000	16	50000	56000	12
Manganese	1250	1400	12	2500	2700	8	5000	5100	2
Nickel	125	130	4	250	260	4	500	500	0
Potassium	6250	6400	2	12500	13000	4	25000	25000	0
Selenium	125	130	4	250	260	4	500	510	2
Silver	125	140	12	250	260	4	500	510	2
Sodium	12500	14000	12	25000	27000	8	50000	52000	4
Thallium	125	130	4	250	250	0	500	490	-2
Vanadium	125	130	4	250	260	4	500	510	2
Zinc	1250	1400	12	2500	2700	8	5000	5300	6

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	20000	19000	-5	100000	100000	0			
Antimony	1000	1000	0						
Arsenic	1000	1000	0						
Barium	5000	5000	0						
Beryllium	1000	990	-1						
Cadmium	1000	990	-1						
Calcium	100000	100000	0	500000	500000	0			
Chromium	1000	990	-1						
Cobalt	1000	980	-2						
Copper	10000	9800	-2						
Iron	50000	51000	2	250000	250000	0			
Lead	5000	5000	0						
Magnesium	100000	110000	10	500000	500000	0			
Manganese	10000	9900	-1						
Nickel	1000	990	-1						
Potassium	50000	48000	-4	250000	250000	0			
Selenium	1000	990	-1						
Silver	1000	990	-1						
Sodium	100000	100000	0	500000	500000	0			
Thallium	1000	1000	0						
Vanadium	1000	990	-1						
Zinc	10000	9800	-2						

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 Instrument ID: P8 Start Date: 01/20/2025
 Analytical Method: ICP-MS Run Batch: LB134353
 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	0.0	0	20	21	5	1000	940	-6
Antimony	0	0.0	0	2	2.0	0	50	53	6
Arsenic	0	0.0	0	1	1.2	20	50	49	-2
Barium	0	0.0	0	10	9.9	-1	250	280	12
Beryllium	0	0.0	0	1	0.99	-1	50	52	4
Cadmium	0	0.0	0	1	1.1	10	50	54	8
Calcium	0	0.0	0	500	500	0	5000	5400	8
Chromium	0	0.0	0	2	2.2	10	50	48	-4
Cobalt	0	0.0	0	1	1.2	20	50	49	-2
Copper	0	0.0	0	2	2.4	20	500	530	6
Iron	0	0.0	0	50	56	12	2500	2400	-4
Lead	0	0.0	0	1	0.94	-6	250	270	8
Magnesium	0	0.0	0	500	620	24	5000	5500	10
Manganese	0	0.0	0	1	1.1	10	500	480	-4
Nickel	0	0.0	0	1	1.1	10	50	49	-2
Potassium	0	0.0	0	500	530	6	2500	2300	-8
Selenium	0	0.0	0	5	5.0	0	50	54	8
Silver	0	0.0	0	1	1.0	0	50	55	10
Sodium	0	0.0	0	500	570	14	5000	5100	2
Thallium	0	0.0	0	1	0.91	-9	50	53	6
Vanadium	0	0.0	0	5	5.5	10	50	47	-6
Zinc	0	0.0	0	5	6.2	24	500	500	0

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 Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	2500	2400	-4	5000	4700	-6	10000	9500	-5
Antimony	125	130	4	250	250	0	500	510	2
Arsenic	125	130	4	250	250	0	500	520	4
Barium	625	640	2	1250	1300	4	2500	2500	0
Beryllium	125	120	-4	250	260	4	500	510	2
Cadmium	125	130	4	250	240	-4	500	520	4
Calcium	12500	13000	4	25000	25000	0	50000	50000	0
Chromium	125	120	-4	250	240	-4	500	520	4
Cobalt	125	130	4	250	260	4	500	520	4
Copper	1250	1300	4	2500	2600	4	5000	5200	4
Iron	6250	6300	1	12500	13000	4	25000	26000	4
Lead	625	620	-1	1250	1200	-4	2500	2500	0
Magnesium	12500	14000	12	25000	28000	12	50000	55000	10
Manganese	1250	1300	4	2500	2600	4	5000	5200	4
Nickel	125	130	4	250	250	0	500	480	-4
Potassium	6250	5900	-6	12500	12000	-4	25000	25000	0
Selenium	125	130	4	250	250	0	500	510	2
Silver	125	140	12	250	260	4	500	520	4
Sodium	12500	13000	4	25000	26000	4	50000	51000	2
Thallium	125	120	-4	250	240	-4	500	500	0
Vanadium	125	120	-4	250	240	-4	500	490	-2
Zinc	1250	1300	4	2500	2500	0	5000	5300	6

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Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	20000	19000	-5	100000	100000	0			
Antimony	1000	990	-1						
Arsenic	1000	990	-1						
Barium	5000	5000	0						
Beryllium	1000	990	-1						
Cadmium	1000	990	-1						
Calcium	100000	100000	0	500000	500000	0			
Chromium	1000	990	-1						
Cobalt	1000	990	-1						
Copper	10000	9900	-1						
Iron	50000	51000	2	250000	250000	0			
Lead	5000	5000	0						
Magnesium	100000	110000	10	500000	500000	0			
Manganese	10000	9900	-1						
Nickel	1000	1000	0						
Potassium	50000	48000	-4	250000	250000	0			
Selenium	1000	1000	0						
Silver	1000	990	-1						
Sodium	100000	99000	-1	500000	500000	0			
Thallium	1000	1000	0						
Vanadium	1000	1000	0						
Zinc	10000	9800	-2						