

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1503

Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1503 **SAS No.:** Q1503

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	491	500	98	90 - 110	P	04/01/2025	13:05	LB135261
	Antimony	200	200	100	90 - 110	P	04/01/2025	13:05	LB135261
	Arsenic	198	200	99	90 - 110	P	04/01/2025	13:05	LB135261
	Barium	103	100	103	90 - 110	P	04/01/2025	13:05	LB135261
	Beryllium	104	100	104	90 - 110	P	04/01/2025	13:05	LB135261
	Cadmium	108	100	108	90 - 110	P	04/01/2025	13:05	LB135261
	Calcium	2140	2000	107	90 - 110	P	04/01/2025	13:05	LB135261
	Chromium	99.7	100	100	90 - 110	P	04/01/2025	13:05	LB135261
	Cobalt	106	100	106	90 - 110	P	04/01/2025	13:05	LB135261
	Copper	94.2	100	94	90 - 110	P	04/01/2025	13:05	LB135261
	Iron	1980	2000	99	90 - 110	P	04/01/2025	13:05	LB135261
	Lead	200	200	100	90 - 110	P	04/01/2025	13:05	LB135261
	Magnesium	1180	1200	98	90 - 110	P	04/01/2025	13:05	LB135261
	Manganese	93.9	100	94	90 - 110	P	04/01/2025	13:05	LB135261
	Molybdenum	5000	5000	100	90 - 110	P	04/01/2025	13:05	LB135261
	Nickel	99.9	110	91	90 - 110	P	04/01/2025	13:05	LB135261
	Potassium	1870	2000	93	90 - 110	P	04/01/2025	13:05	LB135261
	Selenium	204	200	102	90 - 110	P	04/01/2025	13:05	LB135261
	Silver	53.5	50.0	107	90 - 110	P	04/01/2025	13:05	LB135261
	Sodium	2070	2000	104	90 - 110	P	04/01/2025	13:05	LB135261
	Strontium	496	500	99	90 - 110	P	04/01/2025	13:05	LB135261
	Thallium	196	210	94	90 - 110	P	04/01/2025	13:05	LB135261
	Tin	514	500	103	90 - 110	P	04/01/2025	13:05	LB135261
	Titanium	4820	5000	96	90 - 110	P	04/01/2025	13:05	LB135261
	Vanadium	96.5	100	96	90 - 110	P	04/01/2025	13:05	LB135261
	Zinc	182	200	91	90 - 110	P	04/01/2025	13:05	LB135261

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1503

Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1503 **SAS No.:** Q1503

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV	Aluminum	21.3	20.0	107	80 - 120	P	04/01/2025	13:10	LB135261
	Antimony	2.09	2.0	104	80 - 120	P	04/01/2025	13:10	LB135261
	Arsenic	1.07	1.0	107	80 - 120	P	04/01/2025	13:10	LB135261
	Barium	10.4	10.0	104	80 - 120	P	04/01/2025	13:10	LB135261
	Beryllium	1.17	1.0	117	80 - 120	P	04/01/2025	13:10	LB135261
	Cadmium	1.05	1.0	105	80 - 120	P	04/01/2025	13:10	LB135261
	Calcium	546	500	109	80 - 120	P	04/01/2025	13:10	LB135261
	Chromium	2.08	2.0	104	80 - 120	P	04/01/2025	13:10	LB135261
	Cobalt	1.10	1.0	110	80 - 120	P	04/01/2025	13:10	LB135261
	Copper	1.95	2.0	98	80 - 120	P	04/01/2025	13:10	LB135261
	Iron	52.5	50.0	105	80 - 120	P	04/01/2025	13:10	LB135261
	Lead	0.98	1.0	98	80 - 120	P	04/01/2025	13:10	LB135261
	Magnesium	550	500	110	80 - 120	P	04/01/2025	13:10	LB135261
	Manganese	1.06	1.0	106	80 - 120	P	04/01/2025	13:10	LB135261
	Molybdenum	5.23	5.0	105	80 - 120	P	04/01/2025	13:10	LB135261
	Nickel	0.98	1.0	98	80 - 120	P	04/01/2025	13:10	LB135261
	Potassium	514	500	103	80 - 120	P	04/01/2025	13:10	LB135261
	Selenium	5.39	5.0	108	80 - 120	P	04/01/2025	13:10	LB135261
	Silver	1.05	1.0	105	80 - 120	P	04/01/2025	13:10	LB135261
	Sodium	561	500	112	80 - 120	P	04/01/2025	13:10	LB135261
	Strontium	1.07	1.0	107	80 - 120	P	04/01/2025	13:10	LB135261
	Thallium	0.98	1.0	98	80 - 120	P	04/01/2025	13:10	LB135261
	Tin	5.27	5.0	105	80 - 120	P	04/01/2025	13:10	LB135261
	Titanium	5.51	5.0	110	80 - 120	P	04/01/2025	13:10	LB135261
	Vanadium	5.20	5.0	104	80 - 120	P	04/01/2025	13:10	LB135261
	Zinc	4.71	5.0	94	80 - 120	P	04/01/2025	13:10	LB135261

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1503

Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1503 **SAS No.:** Q1503

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	49700	50000	99	90 - 110	P	04/01/2025	13:24	LB135261
	Antimony	476	500	95	90 - 110	P	04/01/2025	13:24	LB135261
	Arsenic	475	500	95	90 - 110	P	04/01/2025	13:24	LB135261
	Barium	2440	2500	98	90 - 110	P	04/01/2025	13:24	LB135261
	Beryllium	502	500	100	90 - 110	P	04/01/2025	13:24	LB135261
	Cadmium	478	500	96	90 - 110	P	04/01/2025	13:24	LB135261
	Calcium	245000	250000	98	90 - 110	P	04/01/2025	13:24	LB135261
	Chromium	487	500	97	90 - 110	P	04/01/2025	13:24	LB135261
	Cobalt	472	500	94	90 - 110	P	04/01/2025	13:24	LB135261
	Copper	4570	5000	91	90 - 110	P	04/01/2025	13:24	LB135261
	Iron	120000	125000	96	90 - 110	P	04/01/2025	13:24	LB135261
	Lead	2440	2500	98	90 - 110	P	04/01/2025	13:24	LB135261
	Magnesium	237000	250000	95	90 - 110	P	04/01/2025	13:24	LB135261
	Manganese	4890	5000	98	90 - 110	P	04/01/2025	13:24	LB135261
	Molybdenum	4950	5000	99	90 - 110	P	04/01/2025	13:24	LB135261
	Nickel	469	500	94	90 - 110	P	04/01/2025	13:24	LB135261
	Potassium	122000	125000	98	90 - 110	P	04/01/2025	13:24	LB135261
	Selenium	502	500	100	90 - 110	P	04/01/2025	13:24	LB135261
	Silver	461	500	92	90 - 110	P	04/01/2025	13:24	LB135261
	Sodium	249000	250000	100	90 - 110	P	04/01/2025	13:24	LB135261
	Strontium	487	500	98	90 - 110	P	04/01/2025	13:24	LB135261
	Thallium	492	500	98	90 - 110	P	04/01/2025	13:24	LB135261
	Tin	482	500	96	90 - 110	P	04/01/2025	13:24	LB135261
	Titanium	4920	5000	98	90 - 110	P	04/01/2025	13:24	LB135261
	Vanadium	498	500	100	90 - 110	P	04/01/2025	13:24	LB135261
	Zinc	4650	5000	93	90 - 110	P	04/01/2025	13:24	LB135261
CCV02	Aluminum	51100	50000	102	90 - 110	P	04/01/2025	14:20	LB135261
	Antimony	497	500	99	90 - 110	P	04/01/2025	14:20	LB135261
	Arsenic	488	500	98	90 - 110	P	04/01/2025	14:20	LB135261
	Barium	2530	2500	101	90 - 110	P	04/01/2025	14:20	LB135261
	Beryllium	524	500	105	90 - 110	P	04/01/2025	14:20	LB135261
	Cadmium	492	500	98	90 - 110	P	04/01/2025	14:20	LB135261
	Calcium	250000	250000	100	90 - 110	P	04/01/2025	14:20	LB135261
	Chromium	501	500	100	90 - 110	P	04/01/2025	14:20	LB135261

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1503

Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1503 **SAS No.:** Q1503

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Cobalt	480	500	96	90 - 110	P	04/01/2025	14:20	LB135261
	Copper	4850	5000	97	90 - 110	P	04/01/2025	14:20	LB135261
	Iron	122000	125000	98	90 - 110	P	04/01/2025	14:20	LB135261
	Lead	2520	2500	101	90 - 110	P	04/01/2025	14:20	LB135261
	Magnesium	249000	250000	100	90 - 110	P	04/01/2025	14:20	LB135261
	Manganese	5080	5000	102	90 - 110	P	04/01/2025	14:20	LB135261
	Molybdenum	5010	5000	100	90 - 110	P	04/01/2025	14:20	LB135261
	Nickel	477	500	95	90 - 110	P	04/01/2025	14:20	LB135261
	Potassium	125000	125000	100	90 - 110	P	04/01/2025	14:20	LB135261
	Selenium	482	500	96	90 - 110	P	04/01/2025	14:20	LB135261
	Silver	487	500	97	90 - 110	P	04/01/2025	14:20	LB135261
	Sodium	248000	250000	99	90 - 110	P	04/01/2025	14:20	LB135261
	Strontium	503	500	101	90 - 110	P	04/01/2025	14:20	LB135261
	Thallium	504	500	101	90 - 110	P	04/01/2025	14:20	LB135261
	Tin	498	500	100	90 - 110	P	04/01/2025	14:20	LB135261
	Titanium	5020	5000	100	90 - 110	P	04/01/2025	14:20	LB135261
	Vanadium	510	500	102	90 - 110	P	04/01/2025	14:20	LB135261
	Zinc	4990	5000	100	90 - 110	P	04/01/2025	14:20	LB135261
CCV03	Aluminum	51200	50000	102	90 - 110	P	04/01/2025	14:54	LB135261
	Antimony	497	500	99	90 - 110	P	04/01/2025	14:54	LB135261
	Arsenic	484	500	97	90 - 110	P	04/01/2025	14:54	LB135261
	Barium	2530	2500	101	90 - 110	P	04/01/2025	14:54	LB135261
	Beryllium	521	500	104	90 - 110	P	04/01/2025	14:54	LB135261
	Cadmium	494	500	99	90 - 110	P	04/01/2025	14:54	LB135261
	Calcium	250000	250000	100	90 - 110	P	04/01/2025	14:54	LB135261
	Chromium	499	500	100	90 - 110	P	04/01/2025	14:54	LB135261
	Cobalt	483	500	97	90 - 110	P	04/01/2025	14:54	LB135261
	Copper	4850	5000	97	90 - 110	P	04/01/2025	14:54	LB135261
	Iron	123000	125000	98	90 - 110	P	04/01/2025	14:54	LB135261
	Lead	2510	2500	101	90 - 110	P	04/01/2025	14:54	LB135261
	Magnesium	248000	250000	99	90 - 110	P	04/01/2025	14:54	LB135261
	Manganese	5040	5000	101	90 - 110	P	04/01/2025	14:54	LB135261
	Molybdenum	5010	5000	100	90 - 110	P	04/01/2025	14:54	LB135261
	Nickel	477	500	95	90 - 110	P	04/01/2025	14:54	LB135261

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1503

Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1503 **SAS No.:** Q1503

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Potassium	124000	125000	99	90 - 110	P	04/01/2025	14:54	LB135261
	Selenium	481	500	96	90 - 110	P	04/01/2025	14:54	LB135261
	Silver	485	500	97	90 - 110	P	04/01/2025	14:54	LB135261
	Sodium	246000	250000	98	90 - 110	P	04/01/2025	14:54	LB135261
	Strontium	503	500	101	90 - 110	P	04/01/2025	14:54	LB135261
	Thallium	500	500	100	90 - 110	P	04/01/2025	14:54	LB135261
	Tin	495	500	99	90 - 110	P	04/01/2025	14:54	LB135261
	Titanium	4950	5000	99	90 - 110	P	04/01/2025	14:54	LB135261
	Vanadium	510	500	102	90 - 110	P	04/01/2025	14:54	LB135261
	Zinc	4930	5000	99	90 - 110	P	04/01/2025	14:54	LB135261
CCV04	Aluminum	51500	50000	103	90 - 110	P	04/01/2025	15:53	LB135261
	Antimony	489	500	98	90 - 110	P	04/01/2025	15:53	LB135261
	Arsenic	486	500	97	90 - 110	P	04/01/2025	15:53	LB135261
	Barium	2490	2500	100	90 - 110	P	04/01/2025	15:53	LB135261
	Beryllium	527	500	105	90 - 110	P	04/01/2025	15:53	LB135261
	Cadmium	485	500	97	90 - 110	P	04/01/2025	15:53	LB135261
	Calcium	247000	250000	99	90 - 110	P	04/01/2025	15:53	LB135261
	Chromium	500	500	100	90 - 110	P	04/01/2025	15:53	LB135261
	Cobalt	476	500	95	90 - 110	P	04/01/2025	15:53	LB135261
	Copper	4810	5000	96	90 - 110	P	04/01/2025	15:53	LB135261
	Iron	122000	125000	97	90 - 110	P	04/01/2025	15:53	LB135261
	Lead	2510	2500	100	90 - 110	P	04/01/2025	15:53	LB135261
	Magnesium	250000	250000	100	90 - 110	P	04/01/2025	15:53	LB135261
	Manganese	5020	5000	100	90 - 110	P	04/01/2025	15:53	LB135261
	Molybdenum	5000	5000	100	90 - 110	P	04/01/2025	15:53	LB135261
	Nickel	471	500	94	90 - 110	P	04/01/2025	15:53	LB135261
	Potassium	125000	125000	100	90 - 110	P	04/01/2025	15:53	LB135261
	Selenium	474	500	95	90 - 110	P	04/01/2025	15:53	LB135261
	Silver	474	500	95	90 - 110	P	04/01/2025	15:53	LB135261
	Sodium	248000	250000	99	90 - 110	P	04/01/2025	15:53	LB135261
	Strontium	499	500	100	90 - 110	P	04/01/2025	15:53	LB135261
	Thallium	500	500	100	90 - 110	P	04/01/2025	15:53	LB135261
	Tin	490	500	98	90 - 110	P	04/01/2025	15:53	LB135261
	Titanium	4940	5000	99	90 - 110	P	04/01/2025	15:53	LB135261

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1503

Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1503 **SAS No.:** Q1503

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Vanadium	510	500	102	90 - 110	P	04/01/2025	15:53	LB135261
	Zinc	4940	5000	99	90 - 110	P	04/01/2025	15:53	LB135261
CCV05	Aluminum	52100	50000	104	90 - 110	P	04/01/2025	16:40	LB135261
	Antimony	492	500	98	90 - 110	P	04/01/2025	16:40	LB135261
	Arsenic	487	500	98	90 - 110	P	04/01/2025	16:40	LB135261
	Barium	2480	2500	99	90 - 110	P	04/01/2025	16:40	LB135261
	Beryllium	539	500	108	90 - 110	P	04/01/2025	16:40	LB135261
	Cadmium	487	500	97	90 - 110	P	04/01/2025	16:40	LB135261
	Calcium	250000	250000	100	90 - 110	P	04/01/2025	16:40	LB135261
	Chromium	511	500	102	90 - 110	P	04/01/2025	16:40	LB135261
	Cobalt	488	500	98	90 - 110	P	04/01/2025	16:40	LB135261
	Copper	4990	5000	100	90 - 110	P	04/01/2025	16:40	LB135261
	Iron	125000	125000	100	90 - 110	P	04/01/2025	16:40	LB135261
	Lead	2490	2500	100	90 - 110	P	04/01/2025	16:40	LB135261
	Magnesium	255000	250000	102	90 - 110	P	04/01/2025	16:40	LB135261
	Manganese	5180	5000	104	90 - 110	P	04/01/2025	16:40	LB135261
	Molybdenum	5020	5000	100	90 - 110	P	04/01/2025	16:40	LB135261
	Nickel	486	500	97	90 - 110	P	04/01/2025	16:40	LB135261
	Potassium	126000	125000	101	90 - 110	P	04/01/2025	16:40	LB135261
	Selenium	472	500	94	90 - 110	P	04/01/2025	16:40	LB135261
	Silver	484	500	97	90 - 110	P	04/01/2025	16:40	LB135261
	Sodium	250000	250000	100	90 - 110	P	04/01/2025	16:40	LB135261
	Strontium	501	500	100	90 - 110	P	04/01/2025	16:40	LB135261
	Thallium	505	500	101	90 - 110	P	04/01/2025	16:40	LB135261
	Tin	492	500	98	90 - 110	P	04/01/2025	16:40	LB135261
	Titanium	5030	5000	100	90 - 110	P	04/01/2025	16:40	LB135261
	Vanadium	518	500	104	90 - 110	P	04/01/2025	16:40	LB135261
	Zinc	5060	5000	101	90 - 110	P	04/01/2025	16:40	LB135261
CCV06	Aluminum	52300	50000	105	90 - 110	P	04/01/2025	17:08	LB135261
	Antimony	502	500	100	90 - 110	P	04/01/2025	17:08	LB135261
	Arsenic	492	500	98	90 - 110	P	04/01/2025	17:08	LB135261
	Barium	2560	2500	102	90 - 110	P	04/01/2025	17:08	LB135261
	Beryllium	514	500	103	90 - 110	P	04/01/2025	17:08	LB135261
	Cadmium	499	500	100	90 - 110	P	04/01/2025	17:08	LB135261

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1503

Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1503 **SAS No.:** Q1503

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Calcium	251000	250000	100	90 - 110	P	04/01/2025	17:08	LB135261
	Chromium	510	500	102	90 - 110	P	04/01/2025	17:08	LB135261
	Cobalt	489	500	98	90 - 110	P	04/01/2025	17:08	LB135261
	Copper	5010	5000	100	90 - 110	P	04/01/2025	17:08	LB135261
	Iron	126000	125000	100	90 - 110	P	04/01/2025	17:08	LB135261
	Lead	2520	2500	101	90 - 110	P	04/01/2025	17:08	LB135261
	Magnesium	256000	250000	103	90 - 110	P	04/01/2025	17:08	LB135261
	Manganese	5160	5000	103	90 - 110	P	04/01/2025	17:08	LB135261
	Molybdenum	5110	5000	102	90 - 110	P	04/01/2025	17:08	LB135261
	Nickel	490	500	98	90 - 110	P	04/01/2025	17:08	LB135261
	Potassium	129000	125000	103	90 - 110	P	04/01/2025	17:08	LB135261
	Selenium	477	500	95	90 - 110	P	04/01/2025	17:08	LB135261
	Silver	488	500	98	90 - 110	P	04/01/2025	17:08	LB135261
	Sodium	254000	250000	102	90 - 110	P	04/01/2025	17:08	LB135261
	Strontium	503	500	101	90 - 110	P	04/01/2025	17:08	LB135261
	Thallium	512	500	102	90 - 110	P	04/01/2025	17:08	LB135261
	Tin	505	500	101	90 - 110	P	04/01/2025	17:08	LB135261
	Titanium	5050	5000	101	90 - 110	P	04/01/2025	17:08	LB135261
	Vanadium	528	500	106	90 - 110	P	04/01/2025	17:08	LB135261
	Zinc	5110	5000	102	90 - 110	P	04/01/2025	17:08	LB135261