

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3018

Contract: ALLI03

Lab Code: ACE

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	1550	1600	97	90 - 110	P	09/25/2025	16:20	LB137409
	Antimony	419	400	105	90 - 110	P	09/25/2025	16:20	LB137409
	Arsenic	416	400	104	90 - 110	P	09/25/2025	16:20	LB137409
	Barium	1610	1600	100	90 - 110	P	09/25/2025	16:20	LB137409
	Beryllium	41.7	40.0	104	90 - 110	P	09/25/2025	16:20	LB137409
	Cadmium	213	200	107	90 - 110	P	09/25/2025	16:20	LB137409
	Calcium	4230	4000	106	90 - 110	P	09/25/2025	16:20	LB137409
	Chromium	162	160	101	90 - 110	P	09/25/2025	16:20	LB137409
	Cobalt	408	400	102	90 - 110	P	09/25/2025	16:20	LB137409
	Copper	191	200	95	90 - 110	P	09/25/2025	16:20	LB137409
	Iron	854	800	107	90 - 110	P	09/25/2025	16:20	LB137409
	Lead	395	400	99	90 - 110	P	09/25/2025	16:20	LB137409
	Magnesium	3700	4000	93	90 - 110	P	09/25/2025	16:20	LB137409
	Manganese	402	400	100	90 - 110	P	09/25/2025	16:20	LB137409
	Molybdenum	5470	5000	110	90 - 110	P	09/25/2025	16:20	LB137409
	Nickel	410	400	102	90 - 110	P	09/25/2025	16:20	LB137409
	Potassium	4040	4000	101	90 - 110	P	09/25/2025	16:20	LB137409
	Selenium	422	400	106	90 - 110	P	09/25/2025	16:20	LB137409
	Silver	180	200	90	90 - 110	P	09/25/2025	16:20	LB137409
	Sodium	4090	4000	102	90 - 110	P	09/25/2025	16:20	LB137409
	Strontium	465	500	93	90 - 110	P	09/25/2025	16:20	LB137409
	Thallium	400	400	100	90 - 110	P	09/25/2025	16:20	LB137409
	Tin	503	500	101	90 - 110	P	09/25/2025	16:20	LB137409
	Titanium	5360	5000	107	90 - 110	P	09/25/2025	16:20	LB137409
	Vanadium	402	400	100	90 - 110	P	09/25/2025	16:20	LB137409
	Zinc	390	400	98	90 - 110	P	09/25/2025	16:20	LB137409

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	20.5	20.0	102	80 - 120	P	09/25/2025	16:23	LB137409
	Antimony	2.01	2.0	100	80 - 120	P	09/25/2025	16:23	LB137409
	Arsenic	0.94	1.0	94	80 - 120	P	09/25/2025	16:23	LB137409
	Barium	9.51	10.0	95	80 - 120	P	09/25/2025	16:23	LB137409
	Beryllium	1.04	1.0	104	80 - 120	P	09/25/2025	16:23	LB137409
	Cadmium	0.82	1.0	82	80 - 120	P	09/25/2025	16:23	LB137409
	Calcium	491	500	98	80 - 120	P	09/25/2025	16:23	LB137409
	Chromium	1.91	2.0	96	80 - 120	P	09/25/2025	16:23	LB137409
	Cobalt	1.04	1.0	104	80 - 120	P	09/25/2025	16:23	LB137409
	Copper	1.88	2.0	94	80 - 120	P	09/25/2025	16:23	LB137409
	Iron	53.1	50.0	106	80 - 120	P	09/25/2025	16:23	LB137409
	Lead	0.85	1.0	85	80 - 120	P	09/25/2025	16:23	LB137409
	Magnesium	479	500	96	80 - 120	P	09/25/2025	16:23	LB137409
	Manganese	0.92	1.0	92	80 - 120	P	09/25/2025	16:23	LB137409
	Molybdenum	5.13	5.0	103	80 - 120	P	09/25/2025	16:23	LB137409
	Nickel	0.90	1.0	90	80 - 120	P	09/25/2025	16:23	LB137409
	Potassium	513	500	103	80 - 120	P	09/25/2025	16:23	LB137409
	Selenium	4.94	5.0	99	80 - 120	P	09/25/2025	16:23	LB137409
	Silver	1.10	1.0	110	80 - 120	P	09/25/2025	16:23	LB137409
	Sodium	515	500	103	80 - 120	P	09/25/2025	16:23	LB137409
	Strontium	0.94	1.0	94	80 - 120	P	09/25/2025	16:23	LB137409
	Thallium	1.00	1.0	100	80 - 120	P	09/25/2025	16:23	LB137409
	Tin	4.86	5.0	97	80 - 120	P	09/25/2025	16:23	LB137409
	Titanium	4.88	5.0	98	80 - 120	P	09/25/2025	16:23	LB137409
	Vanadium	4.94	5.0	99	80 - 120	P	09/25/2025	16:23	LB137409
	Zinc	4.74	5.0	95	80 - 120	P	09/25/2025	16:23	LB137409

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	50400	50000	101	90 - 110	P	09/25/2025	16:35	LB137409
	Antimony	496	500	99	90 - 110	P	09/25/2025	16:35	LB137409
	Arsenic	503	500	101	90 - 110	P	09/25/2025	16:35	LB137409
	Barium	2490	2500	100	90 - 110	P	09/25/2025	16:35	LB137409
	Beryllium	510	500	102	90 - 110	P	09/25/2025	16:35	LB137409
	Cadmium	485	500	97	90 - 110	P	09/25/2025	16:35	LB137409
	Calcium	247000	250000	99	90 - 110	P	09/25/2025	16:35	LB137409
	Chromium	506	500	101	90 - 110	P	09/25/2025	16:35	LB137409
	Cobalt	499	500	100	90 - 110	P	09/25/2025	16:35	LB137409
	Copper	4930	5000	98	90 - 110	P	09/25/2025	16:35	LB137409
	Iron	128000	125000	102	90 - 110	P	09/25/2025	16:35	LB137409
	Lead	2580	2500	103	90 - 110	P	09/25/2025	16:35	LB137409
	Magnesium	250000	250000	100	90 - 110	P	09/25/2025	16:35	LB137409
	Manganese	5060	5000	101	90 - 110	P	09/25/2025	16:35	LB137409
	Molybdenum	5100	5000	102	90 - 110	P	09/25/2025	16:35	LB137409
	Nickel	496	500	99	90 - 110	P	09/25/2025	16:35	LB137409
	Potassium	125000	125000	100	90 - 110	P	09/25/2025	16:35	LB137409
	Selenium	492	500	98	90 - 110	P	09/25/2025	16:35	LB137409
	Silver	492	500	98	90 - 110	P	09/25/2025	16:35	LB137409
	Sodium	253000	250000	101	90 - 110	P	09/25/2025	16:35	LB137409
	Strontium	510	500	102	90 - 110	P	09/25/2025	16:35	LB137409
	Thallium	529	500	106	90 - 110	P	09/25/2025	16:35	LB137409
	Tin	497	500	99	90 - 110	P	09/25/2025	16:35	LB137409
	Titanium	4980	5000	100	90 - 110	P	09/25/2025	16:35	LB137409
	Vanadium	510	500	102	90 - 110	P	09/25/2025	16:35	LB137409
	Zinc	4920	5000	98	90 - 110	P	09/25/2025	16:35	LB137409
CCV02	Aluminum	49300	50000	99	90 - 110	P	09/25/2025	17:13	LB137409
	Antimony	513	500	103	90 - 110	P	09/25/2025	17:13	LB137409
	Arsenic	486	500	97	90 - 110	P	09/25/2025	17:13	LB137409
	Barium	2590	2500	103	90 - 110	P	09/25/2025	17:13	LB137409
	Beryllium	522	500	104	90 - 110	P	09/25/2025	17:13	LB137409
	Cadmium	506	500	101	90 - 110	P	09/25/2025	17:13	LB137409
	Calcium	248000	250000	99	90 - 110	P	09/25/2025	17:13	LB137409
	Chromium	491	500	98	90 - 110	P	09/25/2025	17:13	LB137409

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Cobalt	495	500	99	90 - 110	P	09/25/2025	17:13	LB137409
	Copper	4860	5000	97	90 - 110	P	09/25/2025	17:13	LB137409
	Iron	126000	125000	101	90 - 110	P	09/25/2025	17:13	LB137409
	Lead	2650	2500	106	90 - 110	P	09/25/2025	17:13	LB137409
	Magnesium	246000	250000	98	90 - 110	P	09/25/2025	17:13	LB137409
	Manganese	4940	5000	99	90 - 110	P	09/25/2025	17:13	LB137409
	Molybdenum	5180	5000	104	90 - 110	P	09/25/2025	17:13	LB137409
	Nickel	488	500	98	90 - 110	P	09/25/2025	17:13	LB137409
	Potassium	123000	125000	99	90 - 110	P	09/25/2025	17:13	LB137409
	Selenium	496	500	99	90 - 110	P	09/25/2025	17:13	LB137409
	Silver	515	500	103	90 - 110	P	09/25/2025	17:13	LB137409
	Sodium	250000	250000	100	90 - 110	P	09/25/2025	17:13	LB137409
	Strontium	522	500	104	90 - 110	P	09/25/2025	17:13	LB137409
	Thallium	537	500	107	90 - 110	P	09/25/2025	17:13	LB137409
	Tin	516	500	103	90 - 110	P	09/25/2025	17:13	LB137409
	Titanium	5010	5000	100	90 - 110	P	09/25/2025	17:13	LB137409
	Vanadium	499	500	100	90 - 110	P	09/25/2025	17:13	LB137409
	Zinc	4760	5000	95	90 - 110	P	09/25/2025	17:13	LB137409
CCV03	Aluminum	51600	50000	103	90 - 110	P	09/25/2025	17:47	LB137409
	Antimony	512	500	102	90 - 110	P	09/25/2025	17:47	LB137409
	Arsenic	506	500	101	90 - 110	P	09/25/2025	17:47	LB137409
	Barium	2600	2500	104	90 - 110	P	09/25/2025	17:47	LB137409
	Beryllium	516	500	103	90 - 110	P	09/25/2025	17:47	LB137409
	Cadmium	498	500	100	90 - 110	P	09/25/2025	17:47	LB137409
	Calcium	247000	250000	99	90 - 110	P	09/25/2025	17:47	LB137409
	Chromium	510	500	102	90 - 110	P	09/25/2025	17:47	LB137409
	Cobalt	507	500	101	90 - 110	P	09/25/2025	17:47	LB137409
	Copper	4990	5000	100	90 - 110	P	09/25/2025	17:47	LB137409
	Iron	129000	125000	104	90 - 110	P	09/25/2025	17:47	LB137409
	Lead	2600	2500	104	90 - 110	P	09/25/2025	17:47	LB137409
	Magnesium	255000	250000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Manganese	5120	5000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Molybdenum	5130	5000	103	90 - 110	P	09/25/2025	17:47	LB137409
	Nickel	501	500	100	90 - 110	P	09/25/2025	17:47	LB137409

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CCV03	Potassium	128000	125000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Selenium	495	500	99	90 - 110	P	09/25/2025	17:47	LB137409
	Silver	504	500	101	90 - 110	P	09/25/2025	17:47	LB137409
	Sodium	256000	250000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Strontium	511	500	102	90 - 110	P	09/25/2025	17:47	LB137409
	Thallium	532	500	106	90 - 110	P	09/25/2025	17:47	LB137409
	Tin	514	500	103	90 - 110	P	09/25/2025	17:47	LB137409
	Titanium	5090	5000	102	90 - 110	P	09/25/2025	17:47	LB137409
	Vanadium	515	500	103	90 - 110	P	09/25/2025	17:47	LB137409
	Zinc	4920	5000	98	90 - 110	P	09/25/2025	17:47	LB137409