

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3483

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
ICV99	Mercury	4.14	4.0	104	90 - 110	CV	11/05/2025	10:55	LB137779

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV28	Mercury	5.11	5.0	102	90 - 110	CV	11/05/2025	11:00	LB137779
CCV29	Mercury	4.99	5.0	100	90 - 110	CV	11/05/2025	11:41	LB137779
CCV30	Mercury	4.89	5.0	98	90 - 110	CV	11/05/2025	12:10	LB137779
CCV31	Mercury	4.99	5.0	100	90 - 110	CV	11/05/2025	12:59	LB137779

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Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3483

Contract: ALLI03

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7870	8000	98	90 - 110	P	12/10/2025	20:58	LB138188
	Antimony	3840	4000	96	90 - 110	P	12/10/2025	20:58	LB138188
	Arsenic	3770	4000	94	90 - 110	P	12/10/2025	20:58	LB138188
	Barium	8100	8000	101	90 - 110	P	12/10/2025	20:58	LB138188
	Beryllium	205	200	102	90 - 110	P	12/10/2025	20:58	LB138188
	Boron	4080	4000	102	90 - 110	P	12/10/2025	20:58	LB138188
	Cadmium	1890	2000	95	90 - 110	P	12/10/2025	20:58	LB138188
	Calcium	19800	20000	99	90 - 110	P	12/10/2025	20:58	LB138188
	Chromium	763	800	95	90 - 110	P	12/10/2025	20:58	LB138188
	Cobalt	1920	2000	96	90 - 110	P	12/10/2025	20:58	LB138188
	Copper	978	1000	98	90 - 110	P	12/10/2025	20:58	LB138188
	Iron	3610	4000	90	90 - 110	P	12/10/2025	20:58	LB138188
	Lead	3760	4000	94	90 - 110	P	12/10/2025	20:58	LB138188
	Lithium	3980	4000	100	90 - 110	P	12/10/2025	20:58	LB138188
	Magnesium	19700	20000	99	90 - 110	P	12/10/2025	20:58	LB138188
	Manganese	2020	2000	101	90 - 110	P	12/10/2025	20:58	LB138188
	Molybdenum	3910	4000	98	90 - 110	P	12/10/2025	20:58	LB138188
	Nickel	1930	2000	96	90 - 110	P	12/10/2025	20:58	LB138188
	Potassium	18000	20000	90	90 - 110	P	12/10/2025	20:58	LB138188
	Selenium	3790	4000	95	90 - 110	P	12/10/2025	20:58	LB138188
	Silver	982	1000	98	90 - 110	P	12/10/2025	20:58	LB138188
	Sodium	18000	20000	90	90 - 110	P	12/10/2025	20:58	LB138188
	Strontium	4150	4000	104	90 - 110	P	12/10/2025	20:58	LB138188
	Thallium	4000	4000	100	90 - 110	P	12/10/2025	20:58	LB138188
	Tin	3850	4000	96	90 - 110	P	12/10/2025	20:58	LB138188
	Titanium	4000	4000	100	90 - 110	P	12/10/2025	20:58	LB138188
	Vanadium	1970	2000	98	90 - 110	P	12/10/2025	20:58	LB138188
	Zinc	1920	2000	96	90 - 110	P	12/10/2025	20:58	LB138188

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Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	116	100	116	80 - 120	P	12/10/2025	21:26	LB138188
	Antimony	52.3	50.0	105	80 - 120	P	12/10/2025	21:26	LB138188
	Arsenic	20.3	20.0	102	80 - 120	P	12/10/2025	21:26	LB138188
	Barium	93.3	100	93	80 - 120	P	12/10/2025	21:26	LB138188
	Beryllium	5.98	6.0	100	80 - 120	P	12/10/2025	21:26	LB138188
	Boron	96.6	100	97	80 - 120	P	12/10/2025	21:26	LB138188
	Cadmium	5.78	6.0	96	80 - 120	P	12/10/2025	21:26	LB138188
	Calcium	1970	2000	99	80 - 120	P	12/10/2025	21:26	LB138188
	Chromium	9.66	10.0	97	80 - 120	P	12/10/2025	21:26	LB138188
	Cobalt	28.5	30.0	95	80 - 120	P	12/10/2025	21:26	LB138188
	Copper	21.1	20.0	105	80 - 120	P	12/10/2025	21:26	LB138188
	Iron	107	100	107	80 - 120	P	12/10/2025	21:26	LB138188
	Lead	11.9	12.0	100	80 - 120	P	12/10/2025	21:26	LB138188
	Lithium	21.9	20.0	109	80 - 120	P	12/10/2025	21:26	LB138188
	Magnesium	2040	2000	102	80 - 120	P	12/10/2025	21:26	LB138188
	Manganese	20.3	20.0	102	80 - 120	P	12/10/2025	21:26	LB138188
	Molybdenum	196	200	98	80 - 120	P	12/10/2025	21:26	LB138188
	Nickel	39.5	40.0	99	80 - 120	P	12/10/2025	21:26	LB138188
	Potassium	2060	2000	103	80 - 120	P	12/10/2025	21:26	LB138188
	Selenium	22.0	20.0	110	80 - 120	P	12/10/2025	21:26	LB138188
	Silver	10.1	10.0	100	80 - 120	P	12/10/2025	21:26	LB138188
	Sodium	2120	2000	106	80 - 120	P	12/10/2025	21:26	LB138188
	Strontium	21.4	20.0	107	80 - 120	P	12/10/2025	21:26	LB138188
	Thallium	33.3	40.0	83	80 - 120	P	12/10/2025	21:26	LB138188
	Tin	36.0	40.0	90	80 - 120	P	12/10/2025	21:26	LB138188
	Titanium	36.5	40.0	91	80 - 120	P	12/10/2025	21:26	LB138188
	Vanadium	33.8	40.0	84	80 - 120	P	12/10/2025	21:26	LB138188
	Zinc	41.2	40.0	103	80 - 120	P	12/10/2025	21:26	LB138188

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Contract: ALLI03

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9710	10000	97	90 - 110	P	12/10/2025	22:00	LB138188
	Antimony	5110	5000	102	90 - 110	P	12/10/2025	22:00	LB138188
	Arsenic	5010	5000	100	90 - 110	P	12/10/2025	22:00	LB138188
	Barium	9590	10000	96	90 - 110	P	12/10/2025	22:00	LB138188
	Beryllium	233	250	93	90 - 110	P	12/10/2025	22:00	LB138188
	Boron	4620	5000	92	90 - 110	P	12/10/2025	22:00	LB138188
	Cadmium	2440	2500	98	90 - 110	P	12/10/2025	22:00	LB138188
	Calcium	24000	25000	96	90 - 110	P	12/10/2025	22:00	LB138188
	Chromium	978	1000	98	90 - 110	P	12/10/2025	22:00	LB138188
	Cobalt	2450	2500	98	90 - 110	P	12/10/2025	22:00	LB138188
	Copper	1260	1250	101	90 - 110	P	12/10/2025	22:00	LB138188
	Iron	5200	5000	104	90 - 110	P	12/10/2025	22:00	LB138188
	Lead	4940	5000	99	90 - 110	P	12/10/2025	22:00	LB138188
	Lithium	4720	5000	94	90 - 110	P	12/10/2025	22:00	LB138188
	Magnesium	23900	25000	96	90 - 110	P	12/10/2025	22:00	LB138188
	Manganese	2390	2500	96	90 - 110	P	12/10/2025	22:00	LB138188
	Molybdenum	5000	5000	100	90 - 110	P	12/10/2025	22:00	LB138188
	Nickel	2460	2500	99	90 - 110	P	12/10/2025	22:00	LB138188
	Potassium	25200	25000	101	90 - 110	P	12/10/2025	22:00	LB138188
	Selenium	5080	5000	102	90 - 110	P	12/10/2025	22:00	LB138188
	Silver	1230	1250	99	90 - 110	P	12/10/2025	22:00	LB138188
	Sodium	25600	25000	103	90 - 110	P	12/10/2025	22:00	LB138188
	Strontium	5000	5000	100	90 - 110	P	12/10/2025	22:00	LB138188
	Thallium	4940	5000	99	90 - 110	P	12/10/2025	22:00	LB138188
	Tin	4880	5000	98	90 - 110	P	12/10/2025	22:00	LB138188
	Titanium	4830	5000	97	90 - 110	P	12/10/2025	22:00	LB138188
	Vanadium	2420	2500	97	90 - 110	P	12/10/2025	22:00	LB138188
	Zinc	2460	2500	98	90 - 110	P	12/10/2025	22:00	LB138188
CCV02	Aluminum	9560	10000	96	90 - 110	P	12/10/2025	22:33	LB138188
	Antimony	5130	5000	102	90 - 110	P	12/10/2025	22:33	LB138188
	Arsenic	5030	5000	101	90 - 110	P	12/10/2025	22:33	LB138188
	Barium	9400	10000	94	90 - 110	P	12/10/2025	22:33	LB138188
	Beryllium	233	250	93	90 - 110	P	12/10/2025	22:33	LB138188
	Boron	4630	5000	93	90 - 110	P	12/10/2025	22:33	LB138188

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Cadmium	2440	2500	98	90 - 110	P	12/10/2025	22:33	LB138188
	Calcium	23500	25000	94	90 - 110	P	12/10/2025	22:33	LB138188
	Chromium	983	1000	98	90 - 110	P	12/10/2025	22:33	LB138188
	Cobalt	2440	2500	98	90 - 110	P	12/10/2025	22:33	LB138188
	Copper	1260	1250	101	90 - 110	P	12/10/2025	22:33	LB138188
	Iron	5080	5000	102	90 - 110	P	12/10/2025	22:33	LB138188
	Lead	4930	5000	99	90 - 110	P	12/10/2025	22:33	LB138188
	Lithium	4660	5000	93	90 - 110	P	12/10/2025	22:33	LB138188
	Magnesium	23600	25000	94	90 - 110	P	12/10/2025	22:33	LB138188
	Manganese	2340	2500	94	90 - 110	P	12/10/2025	22:33	LB138188
	Molybdenum	5010	5000	100	90 - 110	P	12/10/2025	22:33	LB138188
	Nickel	2460	2500	98	90 - 110	P	12/10/2025	22:33	LB138188
	Potassium	24800	25000	99	90 - 110	P	12/10/2025	22:33	LB138188
	Selenium	5080	5000	102	90 - 110	P	12/10/2025	22:33	LB138188
	Silver	1240	1250	99	90 - 110	P	12/10/2025	22:33	LB138188
	Sodium	25400	25000	101	90 - 110	P	12/10/2025	22:33	LB138188
	Strontium	4910	5000	98	90 - 110	P	12/10/2025	22:33	LB138188
	Thallium	4920	5000	98	90 - 110	P	12/10/2025	22:33	LB138188
	Tin	4880	5000	98	90 - 110	P	12/10/2025	22:33	LB138188
	Titanium	4740	5000	95	90 - 110	P	12/10/2025	22:33	LB138188
	Vanadium	2380	2500	95	90 - 110	P	12/10/2025	22:33	LB138188
	Zinc	2460	2500	98	90 - 110	P	12/10/2025	22:33	LB138188
CCV03	Aluminum	9790	10000	98	90 - 110	P	12/10/2025	23:52	LB138188
	Antimony	5080	5000	102	90 - 110	P	12/10/2025	23:52	LB138188
	Arsenic	5000	5000	100	90 - 110	P	12/10/2025	23:52	LB138188
	Barium	9690	10000	97	90 - 110	P	12/10/2025	23:52	LB138188
	Beryllium	236	250	94	90 - 110	P	12/10/2025	23:52	LB138188
	Boron	4690	5000	94	90 - 110	P	12/10/2025	23:52	LB138188
	Cadmium	2410	2500	97	90 - 110	P	12/10/2025	23:52	LB138188
	Calcium	24200	25000	97	90 - 110	P	12/10/2025	23:52	LB138188
	Chromium	988	1000	99	90 - 110	P	12/10/2025	23:52	LB138188
	Cobalt	2430	2500	97	90 - 110	P	12/10/2025	23:52	LB138188
	Copper	1250	1250	100	90 - 110	P	12/10/2025	23:52	LB138188
	Iron	5150	5000	103	90 - 110	P	12/10/2025	23:52	LB138188

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Lead	4870	5000	97	90 - 110	P	12/10/2025	23:52	LB138188
	Lithium	4790	5000	96	90 - 110	P	12/10/2025	23:52	LB138188
	Magnesium	24100	25000	96	90 - 110	P	12/10/2025	23:52	LB138188
	Manganese	2420	2500	97	90 - 110	P	12/10/2025	23:52	LB138188
	Molybdenum	5050	5000	101	90 - 110	P	12/10/2025	23:52	LB138188
	Nickel	2430	2500	97	90 - 110	P	12/10/2025	23:52	LB138188
	Potassium	25300	25000	101	90 - 110	P	12/10/2025	23:52	LB138188
	Selenium	5050	5000	101	90 - 110	P	12/10/2025	23:52	LB138188
	Silver	1240	1250	100	90 - 110	P	12/10/2025	23:52	LB138188
	Sodium	25800	25000	103	90 - 110	P	12/10/2025	23:52	LB138188
	Strontium	5040	5000	101	90 - 110	P	12/10/2025	23:52	LB138188
	Thallium	4660	5000	93	90 - 110	P	12/10/2025	23:52	LB138188
	Tin	4890	5000	98	90 - 110	P	12/10/2025	23:52	LB138188
	Titanium	4890	5000	98	90 - 110	P	12/10/2025	23:52	LB138188
	Vanadium	2450	2500	98	90 - 110	P	12/10/2025	23:52	LB138188
	Zinc	2530	2500	101	90 - 110	P	12/10/2025	23:52	LB138188
CCV04	Aluminum	9790	10000	98	90 - 110	P	12/11/2025	00:17	LB138188
	Antimony	5000	5000	100	90 - 110	P	12/11/2025	00:17	LB138188
	Arsenic	4890	5000	98	90 - 110	P	12/11/2025	00:17	LB138188
	Barium	9540	10000	95	90 - 110	P	12/11/2025	00:17	LB138188
	Beryllium	238	250	95	90 - 110	P	12/11/2025	00:17	LB138188
	Boron	4720	5000	94	90 - 110	P	12/11/2025	00:17	LB138188
	Cadmium	2370	2500	95	90 - 110	P	12/11/2025	00:17	LB138188
	Calcium	24000	25000	96	90 - 110	P	12/11/2025	00:17	LB138188
	Chromium	977	1000	98	90 - 110	P	12/11/2025	00:17	LB138188
	Cobalt	2380	2500	95	90 - 110	P	12/11/2025	00:17	LB138188
	Copper	1230	1250	99	90 - 110	P	12/11/2025	00:17	LB138188
	Iron	5140	5000	103	90 - 110	P	12/11/2025	00:17	LB138188
	Lead	4810	5000	96	90 - 110	P	12/11/2025	00:17	LB138188
	Lithium	4800	5000	96	90 - 110	P	12/11/2025	00:17	LB138188
	Magnesium	24000	25000	96	90 - 110	P	12/11/2025	00:17	LB138188
	Manganese	2400	2500	96	90 - 110	P	12/11/2025	00:17	LB138188
	Molybdenum	4900	5000	98	90 - 110	P	12/11/2025	00:17	LB138188
	Nickel	2400	2500	96	90 - 110	P	12/11/2025	00:17	LB138188

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SDG No.: Q3483

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Potassium	25100	25000	100	90 - 110	P	12/11/2025	00:17	LB138188
	Selenium	4960	5000	99	90 - 110	P	12/11/2025	00:17	LB138188
	Silver	1240	1250	99	90 - 110	P	12/11/2025	00:17	LB138188
	Sodium	25500	25000	102	90 - 110	P	12/11/2025	00:17	LB138188
	Strontium	5000	5000	100	90 - 110	P	12/11/2025	00:17	LB138188
	Thallium	4940	5000	99	90 - 110	P	12/11/2025	00:17	LB138188
	Tin	4760	5000	95	90 - 110	P	12/11/2025	00:17	LB138188
	Titanium	4850	5000	97	90 - 110	P	12/11/2025	00:17	LB138188
	Vanadium	2420	2500	97	90 - 110	P	12/11/2025	00:17	LB138188
	Zinc	2420	2500	97	90 - 110	P	12/11/2025	00:17	LB138188