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Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q3016

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
ICV55	Mercury	3.91	4.0	98	95 - 105	CV	10/02/2025	12:37	LB137392

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV73	Mercury	5.11	5.0	102	90 - 110	CV	10/02/2025	12:45	LB137392
CCV74	Mercury	5.07	5.0	101	90 - 110	CV	10/02/2025	13:16	LB137392
CCV75	Mercury	5.09	5.0	102	90 - 110	CV	10/02/2025	13:30	LB137392

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SDG No.: Q3016

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	7850	8000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Antimony	4060	4000	102	95 - 105	P	09/26/2025	12:44	LB137342
	Arsenic	3940	4000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Barium	7720	8000	96	95 - 105	P	09/26/2025	12:44	LB137342
	Beryllium	197	200	98	95 - 105	P	09/26/2025	12:44	LB137342
	Boron	3900	4000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Cadmium	1960	2000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Calcium	19500	20000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Chromium	794	800	99	95 - 105	P	09/26/2025	12:44	LB137342
	Cobalt	1960	2000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Copper	996	1000	100	95 - 105	P	09/26/2025	12:44	LB137342
	Iron	3910	4000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Lead	3840	4000	96	95 - 105	P	09/26/2025	12:44	LB137342
	Magnesium	19500	20000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Manganese	1940	2000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Molybdenum	4010	4000	100	95 - 105	P	09/26/2025	12:44	LB137342
	Nickel	1960	2000	98	95 - 105	P	09/26/2025	12:44	LB137342
	Potassium	19300	20000	96	95 - 105	P	09/26/2025	12:44	LB137342
	Selenium	3950	4000	99	95 - 105	P	09/26/2025	12:44	LB137342
	Silver	951	1000	95	95 - 105	P	09/26/2025	12:44	LB137342
	Sodium	19000	20000	95	95 - 105	P	09/26/2025	12:44	LB137342
	Thallium	3830	4000	96	95 - 105	P	09/26/2025	12:44	LB137342
	Tin	3940	4000	99	95 - 105	P	09/26/2025	12:44	LB137342
	Titanium	3960	4000	99	95 - 105	P	09/26/2025	12:44	LB137342
	Vanadium	1950	2000	97	95 - 105	P	09/26/2025	12:44	LB137342
	Zinc	2000	2000	100	95 - 105	P	09/26/2025	12:44	LB137342

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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	09/26/2025	12:49	LB137342
	Antimony	52.8	50.0	106	80 - 120	P	09/26/2025	12:49	LB137342
	Arsenic	21.9	20.0	110	80 - 120	P	09/26/2025	12:49	LB137342
	Barium	98.1	100	98	80 - 120	P	09/26/2025	12:49	LB137342
	Beryllium	6.33	6.0	106	80 - 120	P	09/26/2025	12:49	LB137342
	Boron	113	100	113	80 - 120	P	09/26/2025	12:49	LB137342
	Cadmium	6.03	6.0	100	80 - 120	P	09/26/2025	12:49	LB137342
	Calcium	2100	2000	105	80 - 120	P	09/26/2025	12:49	LB137342
	Chromium	10.2	10.0	102	80 - 120	P	09/26/2025	12:49	LB137342
	Cobalt	30.3	30.0	101	80 - 120	P	09/26/2025	12:49	LB137342
	Copper	22.4	20.0	112	80 - 120	P	09/26/2025	12:49	LB137342
	Iron	107	100	107	80 - 120	P	09/26/2025	12:49	LB137342
	Lead	12.3	12.0	102	80 - 120	P	09/26/2025	12:49	LB137342
	Magnesium	2160	2000	108	80 - 120	P	09/26/2025	12:49	LB137342
	Manganese	20.9	20.0	105	80 - 120	P	09/26/2025	12:49	LB137342
	Molybdenum	201	200	100	80 - 120	P	09/26/2025	12:49	LB137342
	Nickel	41.1	40.0	103	80 - 120	P	09/26/2025	12:49	LB137342
	Potassium	2110	2000	105	80 - 120	P	09/26/2025	12:49	LB137342
	Selenium	22.9	20.0	114	80 - 120	P	09/26/2025	12:49	LB137342
	Silver	10.5	10.0	105	80 - 120	P	09/26/2025	12:49	LB137342
	Sodium	2030	2000	102	80 - 120	P	09/26/2025	12:49	LB137342
	Thallium	39.8	40.0	100	80 - 120	P	09/26/2025	12:49	LB137342
	Tin	38.8	40.0	97	80 - 120	P	09/26/2025	12:49	LB137342
	Titanium	42.7	40.0	107	80 - 120	P	09/26/2025	12:49	LB137342
	Vanadium	36.6	40.0	92	80 - 120	P	09/26/2025	12:49	LB137342
	Zinc	44.6	40.0	112	80 - 120	P	09/26/2025	12:49	LB137342

Metals

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SDG No.: Q3016

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	9970	10000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Antimony	4980	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Arsenic	4980	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Barium	9770	10000	98	90 - 110	P	09/26/2025	13:40	LB137342
	Beryllium	250	250	100	90 - 110	P	09/26/2025	13:40	LB137342
	Boron	4980	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Cadmium	2480	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Calcium	24900	25000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Chromium	997	1000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Cobalt	2460	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Copper	1250	1250	100	90 - 110	P	09/26/2025	13:40	LB137342
	Iron	4930	5000	99	90 - 110	P	09/26/2025	13:40	LB137342
	Lead	4920	5000	98	90 - 110	P	09/26/2025	13:40	LB137342
	Magnesium	24800	25000	99	90 - 110	P	09/26/2025	13:40	LB137342
	Manganese	2470	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Molybdenum	5000	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Nickel	2470	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Potassium	24500	25000	98	90 - 110	P	09/26/2025	13:40	LB137342
	Selenium	4990	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Silver	1240	1250	100	90 - 110	P	09/26/2025	13:40	LB137342
	Sodium	24100	25000	96	90 - 110	P	09/26/2025	13:40	LB137342
	Thallium	5010	5000	100	90 - 110	P	09/26/2025	13:40	LB137342
	Tin	4910	5000	98	90 - 110	P	09/26/2025	13:40	LB137342
	Titanium	4950	5000	99	90 - 110	P	09/26/2025	13:40	LB137342
	Vanadium	2490	2500	99	90 - 110	P	09/26/2025	13:40	LB137342
	Zinc	2510	2500	100	90 - 110	P	09/26/2025	13:40	LB137342
CCV02	Aluminum	9960	10000	100	90 - 110	P	09/26/2025	14:31	LB137342
	Antimony	5060	5000	101	90 - 110	P	09/26/2025	14:31	LB137342
	Arsenic	5080	5000	102	90 - 110	P	09/26/2025	14:31	LB137342
	Barium	9690	10000	97	90 - 110	P	09/26/2025	14:31	LB137342
	Beryllium	249	250	100	90 - 110	P	09/26/2025	14:31	LB137342
	Boron	4930	5000	99	90 - 110	P	09/26/2025	14:31	LB137342
	Cadmium	2510	2500	100	90 - 110	P	09/26/2025	14:31	LB137342
	Calcium	25000	25000	100	90 - 110	P	09/26/2025	14:31	LB137342

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CCV02	Chromium	1010	1000	101	90 - 110	P	09/26/2025	14:31	LB137342
	Cobalt	2490	2500	100	90 - 110	P	09/26/2025	14:31	LB137342
	Copper	1270	1250	101	90 - 110	P	09/26/2025	14:31	LB137342
	Iron	5060	5000	101	90 - 110	P	09/26/2025	14:31	LB137342
	Lead	4970	5000	99	90 - 110	P	09/26/2025	14:31	LB137342
	Magnesium	24700	25000	99	90 - 110	P	09/26/2025	14:31	LB137342
	Manganese	2450	2500	98	90 - 110	P	09/26/2025	14:31	LB137342
	Molybdenum	5050	5000	101	90 - 110	P	09/26/2025	14:31	LB137342
	Nickel	2500	2500	100	90 - 110	P	09/26/2025	14:31	LB137342
	Potassium	25000	25000	100	90 - 110	P	09/26/2025	14:31	LB137342
	Selenium	5130	5000	103	90 - 110	P	09/26/2025	14:31	LB137342
	Silver	1260	1250	101	90 - 110	P	09/26/2025	14:31	LB137342
	Sodium	24300	25000	97	90 - 110	P	09/26/2025	14:31	LB137342
	Thallium	5170	5000	104	90 - 110	P	09/26/2025	14:31	LB137342
	Tin	4970	5000	99	90 - 110	P	09/26/2025	14:31	LB137342
	Titanium	4910	5000	98	90 - 110	P	09/26/2025	14:31	LB137342
	Vanadium	2480	2500	99	90 - 110	P	09/26/2025	14:31	LB137342
	Zinc	2550	2500	102	90 - 110	P	09/26/2025	14:31	LB137342
CCV03	Aluminum	9690	10000	97	90 - 110	P	09/26/2025	15:14	LB137342
	Antimony	4750	5000	95	90 - 110	P	09/26/2025	15:14	LB137342
	Arsenic	4770	5000	95	90 - 110	P	09/26/2025	15:14	LB137342
	Barium	9510	10000	95	90 - 110	P	09/26/2025	15:14	LB137342
	Beryllium	241	250	96	90 - 110	P	09/26/2025	15:14	LB137342
	Boron	4820	5000	96	90 - 110	P	09/26/2025	15:14	LB137342
	Cadmium	2380	2500	95	90 - 110	P	09/26/2025	15:14	LB137342
	Calcium	24200	25000	97	90 - 110	P	09/26/2025	15:14	LB137342
	Chromium	964	1000	96	90 - 110	P	09/26/2025	15:14	LB137342
	Cobalt	2370	2500	95	90 - 110	P	09/26/2025	15:14	LB137342
	Copper	1190	1250	95	90 - 110	P	09/26/2025	15:14	LB137342
	Iron	4720	5000	94	90 - 110	P	09/26/2025	15:14	LB137342
	Lead	4720	5000	94	90 - 110	P	09/26/2025	15:14	LB137342
	Magnesium	24200	25000	97	90 - 110	P	09/26/2025	15:14	LB137342
	Manganese	2390	2500	96	90 - 110	P	09/26/2025	15:14	LB137342
	Molybdenum	4910	5000	98	90 - 110	P	09/26/2025	15:14	LB137342

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CCV03	Nickel	2360	2500	95	90 - 110	P	09/26/2025	15:14	LB137342
	Potassium	23600	25000	95	90 - 110	P	09/26/2025	15:14	LB137342
	Selenium	4790	5000	96	90 - 110	P	09/26/2025	15:14	LB137342
	Silver	1200	1250	96	90 - 110	P	09/26/2025	15:14	LB137342
	Sodium	23000	25000	92	90 - 110	P	09/26/2025	15:14	LB137342
	Thallium	5080	5000	102	90 - 110	P	09/26/2025	15:14	LB137342
	Tin	4710	5000	94	90 - 110	P	09/26/2025	15:14	LB137342
	Titanium	4800	5000	96	90 - 110	P	09/26/2025	15:14	LB137342
	Vanadium	2420	2500	97	90 - 110	P	09/26/2025	15:14	LB137342
	Zinc	2400	2500	96	90 - 110	P	09/26/2025	15:14	LB137342
CCV04	Aluminum	9870	10000	99	90 - 110	P	09/26/2025	16:13	LB137342
	Antimony	4920	5000	98	90 - 110	P	09/26/2025	16:13	LB137342
	Arsenic	4950	5000	99	90 - 110	P	09/26/2025	16:13	LB137342
	Barium	9560	10000	96	90 - 110	P	09/26/2025	16:13	LB137342
	Beryllium	249	250	100	90 - 110	P	09/26/2025	16:13	LB137342
	Boron	4920	5000	98	90 - 110	P	09/26/2025	16:13	LB137342
	Cadmium	2460	2500	98	90 - 110	P	09/26/2025	16:13	LB137342
	Calcium	24700	25000	99	90 - 110	P	09/26/2025	16:13	LB137342
	Chromium	1010	1000	101	90 - 110	P	09/26/2025	16:13	LB137342
	Cobalt	2440	2500	98	90 - 110	P	09/26/2025	16:13	LB137342
	Copper	1230	1250	99	90 - 110	P	09/26/2025	16:13	LB137342
	Iron	5010	5000	100	90 - 110	P	09/26/2025	16:13	LB137342
	Lead	4880	5000	98	90 - 110	P	09/26/2025	16:13	LB137342
	Magnesium	24700	25000	99	90 - 110	P	09/26/2025	16:13	LB137342
	Manganese	2420	2500	97	90 - 110	P	09/26/2025	16:13	LB137342
	Molybdenum	5040	5000	101	90 - 110	P	09/26/2025	16:13	LB137342
	Nickel	2450	2500	98	90 - 110	P	09/26/2025	16:13	LB137342
	Potassium	25300	25000	101	90 - 110	P	09/26/2025	16:13	LB137342
	Selenium	4980	5000	100	90 - 110	P	09/26/2025	16:13	LB137342
	Silver	1260	1250	101	90 - 110	P	09/26/2025	16:13	LB137342
	Sodium	24000	25000	96	90 - 110	P	09/26/2025	16:13	LB137342
	Thallium	5010	5000	100	90 - 110	P	09/26/2025	16:13	LB137342
	Tin	4860	5000	97	90 - 110	P	09/26/2025	16:13	LB137342
	Titanium	4860	5000	97	90 - 110	P	09/26/2025	16:13	LB137342

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CCV04	Vanadium	2480	2500	99	90 - 110	P	09/26/2025	16:13	LB137342
	Zinc	2490	2500	100	90 - 110	P	09/26/2025	16:13	LB137342
