284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q1872

Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872

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	492	500	98	90 - 110	P	05/23/2025	14:23	LB135941
	Antimony	193	200	97	90 - 110	P	05/23/2025	14:23	LB135941
	Arsenic	200	200	100	90 - 110	P	05/23/2025	14:23	LB135941
	Barium	92.9	100	93	90 - 110	P	05/23/2025	14:23	LB135941
	Beryllium	99.8	100	100	90 - 110	P	05/23/2025	14:23	LB135941
	Cadmium	101	100	101	90 - 110	P	05/23/2025	14:23	LB135941
	Calcium	2000	2000	100	90 - 110	P	05/23/2025	14:23	LB135941
	Chromium	97.4	100	97	90 - 110	P	05/23/2025	14:23	LB135941
	Cobalt	101	100	101	90 - 110	P	05/23/2025	14:23	LB135941
	Copper	103	100	102	90 - 110	P	05/23/2025	14:23	LB135941
	Iron	1980	2000	99	90 - 110	P	05/23/2025	14:23	LB135941
	Lead	194	200	97	90 - 110	P	05/23/2025	14:23	LB135941
	Magnesium	1180	1200	98	90 - 110	P	05/23/2025	14:23	LB135941
	Manganese	97.9	100	98	90 - 110	P	05/23/2025	14:23	LB135941
	Molybdenum	4960	5000	99	90 - 110	P	05/23/2025	14:23	LB135941
	Nickel	108	110	98	90 - 110	P	05/23/2025	14:23	LB135941
	Potassium	1920	2000	96	90 - 110	P	05/23/2025	14:23	LB135941
	Selenium	193	200	96	90 - 110	P	05/23/2025	14:23	LB135941
	Silver	47.6	50.0	95	90 - 110	P	05/23/2025	14:23	LB135941
	Sodium	2020	2000	101	90 - 110	P	05/23/2025	14:23	LB135941
	Strontium	482	500	96	90 - 110	P	05/23/2025	14:23	LB135941
	Thallium	198	210	94	90 - 110	P	05/23/2025	14:23	LB135941
	Tin	498	500	100	90 - 110	P	05/23/2025	14:23	LB135941
	Vanadium	94.8	100	95	90 - 110	P	05/23/2025	14:23	LB135941
	Zinc	208	200	104	90 - 110	P	05/23/2025	14:23	LB135941

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Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872

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
LLICV01	Aluminum	20.3	20.0	102	80 - 120	P	05/23/2025	14:33	LB135941
	Antimony	1.99	2.0	100	80 - 120	P	05/23/2025	14:33	LB135941
	Arsenic	0.96	1.0	96	80 - 120	P	05/23/2025	14:33	LB135941
	Barium	9.53	10.0	95	80 - 120	P	05/23/2025	14:33	LB135941
	Beryllium	1.11	1.0	111	80 - 120	P	05/23/2025	14:33	LB135941
	Cadmium	0.87	1.0	87	80 - 120	P	05/23/2025	14:33	LB135941
	Calcium	492	500	98	80 - 120	P	05/23/2025	14:33	LB135941
	Chromium	1.99	2.0	100	80 - 120	P	05/23/2025	14:33	LB135941
	Cobalt	1.08	1.0	108	80 - 120	P	05/23/2025	14:33	LB135941
	Copper	2.18	2.0	109	80 - 120	P	05/23/2025	14:33	LB135941
	Iron	52.0	50.0	104	80 - 120	P	05/23/2025	14:33	LB135941
	Lead	0.83	1.0	83	80 - 120	P	05/23/2025	14:33	LB135941
	Magnesium	534	500	107	80 - 120	P	05/23/2025	14:33	LB135941
	Manganese	1.09	1.0	109	80 - 120	P	05/23/2025	14:33	LB135941
	Molybdenum	4.74	5.0	95	80 - 120	P	05/23/2025	14:33	LB135941
	Nickel	0.97	1.0	97	80 - 120	P	05/23/2025	14:33	LB135941
	Potassium	499	500	100	80 - 120	P	05/23/2025	14:33	LB135941
	Selenium	5.14	5.0	103	80 - 120	P	05/23/2025	14:33	LB135941
	Silver	1.08	1.0	108	80 - 120	P	05/23/2025	14:33	LB135941
	Sodium	536	500	107	80 - 120	P	05/23/2025	14:33	LB135941
	Strontium	0.96	1.0	96	80 - 120	P	05/23/2025	14:33	LB135941
	Thallium	0.95	1.0	95	80 - 120	P	05/23/2025	14:33	LB135941
	Tin	4.87	5.0	97	80 - 120	P	05/23/2025	14:33	LB135941
	Vanadium	5.01	5.0	100	80 - 120	P	05/23/2025	14:33	LB135941
	Zinc	5.52	5.0	110	80 - 120	P	05/23/2025	14:33	LB135941

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Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872

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	51800	50000	104	90 - 110	P	05/23/2025	14:52	LB135941
	Antimony	495	500	99	90 - 110	P	05/23/2025	14:52	LB135941
	Arsenic	505	500	101	90 - 110	P	05/23/2025	14:52	LB135941
	Barium	2460	2500	99	90 - 110	P	05/23/2025	14:52	LB135941
	Beryllium	525	500	105	90 - 110	P	05/23/2025	14:52	LB135941
	Cadmium	487	500	97	90 - 110	P	05/23/2025	14:52	LB135941
	Calcium	251000	250000	101	90 - 110	P	05/23/2025	14:52	LB135941
	Chromium	513	500	103	90 - 110	P	05/23/2025	14:52	LB135941
	Cobalt	497	500	99	90 - 110	P	05/23/2025	14:52	LB135941
	Copper	4820	5000	96	90 - 110	P	05/23/2025	14:52	LB135941
	Iron	130000	125000	104	90 - 110	P	05/23/2025	14:52	LB135941
	Lead	2610	2500	104	90 - 110	P	05/23/2025	14:52	LB135941
	Magnesium	260000	250000	104	90 - 110	P	05/23/2025	14:52	LB135941
	Manganese	5030	5000	101	90 - 110	P	05/23/2025	14:52	LB135941
	Molybdenum	5020	5000	100	90 - 110	P	05/23/2025	14:52	LB135941
	Nickel	459	500	92	90 - 110	P	05/23/2025	14:52	LB135941
	Potassium	129000	125000	103	90 - 110	P	05/23/2025	14:52	LB135941
	Selenium	481	500	96	90 - 110	P	05/23/2025	14:52	LB135941
	Silver	482	500	96	90 - 110	P	05/23/2025	14:52	LB135941
	Sodium	261000	250000	104	90 - 110	P	05/23/2025	14:52	LB135941
	Strontium	503	500	101	90 - 110	P	05/23/2025	14:52	LB135941
	Thallium	518	500	104	90 - 110	P	05/23/2025	14:52	LB135941
	Tin	495	500	99	90 - 110	P	05/23/2025	14:52	LB135941
	Vanadium	514	500	103	90 - 110	P	05/23/2025	14:52	LB135941
	Zinc	4970	5000	99	90 - 110	P	05/23/2025	14:52	LB135941
CCV02	Aluminum	51900	50000	104	90 - 110	P	05/23/2025	15:49	LB135941
	Antimony	500	500	100	90 - 110	P	05/23/2025	15:49	LB135941
	Arsenic	510	500	102	90 - 110	P	05/23/2025	15:49	LB135941
	Barium	2520	2500	101	90 - 110	P	05/23/2025	15:49	LB135941
	Beryllium	530	500	106	90 - 110	P	05/23/2025	15:49	LB135941
	Cadmium	495	500	99	90 - 110	P	05/23/2025	15:49	LB135941
	Calcium	254000	250000	102	90 - 110	P	05/23/2025	15:49	LB135941
	Chromium	511	500	102	90 - 110	P	05/23/2025	15:49	LB135941
	Cobalt	498	500	100	90 - 110	P	05/23/2025	15:49	LB135941

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Contract: ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872

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	Copper	4910	5000	98	90 - 110	P	05/23/2025	15:49	LB135941
	Iron	130000	125000	104	90 - 110	P	05/23/2025	15:49	LB135941
	Lead	2580	2500	103	90 - 110	P	05/23/2025	15:49	LB135941
	Magnesium	263000	250000	105	90 - 110	P	05/23/2025	15:49	LB135941
	Manganese	5030	5000	101	90 - 110	P	05/23/2025	15:49	LB135941
	Molybdenum	5030	5000	101	90 - 110	P	05/23/2025	15:49	LB135941
	Nickel	461	500	92	90 - 110	P	05/23/2025	15:49	LB135941
	Potassium	130000	125000	104	90 - 110	P	05/23/2025	15:49	LB135941
	Selenium	488	500	98	90 - 110	P	05/23/2025	15:49	LB135941
	Silver	478	500	96	90 - 110	P	05/23/2025	15:49	LB135941
	Sodium	261000	250000	104	90 - 110	P	05/23/2025	15:49	LB135941
	Strontium	497	500	99	90 - 110	P	05/23/2025	15:49	LB135941
	Thallium	515	500	103	90 - 110	P	05/23/2025	15:49	LB135941
	Tin	500	500	100	90 - 110	P	05/23/2025	15:49	LB135941
	Vanadium	520	500	104	90 - 110	P	05/23/2025	15:49	LB135941
	Zinc	4980	5000	100	90 - 110	P	05/23/2025	15:49	LB135941