

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1211
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1211 **SAS No.:** Q1211
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
ICV88	Mercury	3.80	4.0	95	90 - 110	CV	02/06/2025	11:52	LB134599

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1211
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1211 **SAS No.:** Q1211
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
CCV30	Mercury	4.90	5.0	98	90 - 110	CV	02/06/2025	11:57	LB134599
CCV31	Mercury	4.68	5.0	94	90 - 110	CV	02/06/2025	12:28	LB134599
CCV32	Mercury	5.12	5.0	102	90 - 110	CV	02/06/2025	12:59	LB134599

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: Q1211
Contract: WEST04 Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211
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	476	500	95	90 - 110	P	02/06/2025	12:45	LB134616
	Antimony	209	200	104	90 - 110	P	02/06/2025	12:45	LB134616
	Arsenic	209	200	104	90 - 110	P	02/06/2025	12:45	LB134616
	Barium	103	100	102	90 - 110	P	02/06/2025	12:45	LB134616
	Beryllium	104	100	104	90 - 110	P	02/06/2025	12:45	LB134616
	Cadmium	106	100	106	90 - 110	P	02/06/2025	12:45	LB134616
	Calcium	2130	2000	107	90 - 110	P	02/06/2025	12:45	LB134616
	Chromium	103	100	102	90 - 110	P	02/06/2025	12:45	LB134616
	Cobalt	106	100	106	90 - 110	P	02/06/2025	12:45	LB134616
	Copper	107	100	107	90 - 110	P	02/06/2025	12:45	LB134616
	Iron	2010	2000	100	90 - 110	P	02/06/2025	12:45	LB134616
	Lead	207	200	103	90 - 110	P	02/06/2025	12:45	LB134616
	Magnesium	1130	1200	94	90 - 110	P	02/06/2025	12:45	LB134616
	Manganese	102	100	102	90 - 110	P	02/06/2025	12:45	LB134616
	Nickel	105	110	96	90 - 110	P	02/06/2025	12:45	LB134616
	Potassium	1910	2000	95	90 - 110	P	02/06/2025	12:45	LB134616
	Selenium	212	200	106	90 - 110	P	02/06/2025	12:45	LB134616
	Silver	49.5	50.0	99	90 - 110	P	02/06/2025	12:45	LB134616
	Sodium	2030	2000	102	90 - 110	P	02/06/2025	12:45	LB134616
	Thallium	204	210	97	90 - 110	P	02/06/2025	12:45	LB134616
	Vanadium	99.3	100	99	90 - 110	P	02/06/2025	12:45	LB134616
	Zinc	203	200	102	90 - 110	P	02/06/2025	12:45	LB134616

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: Q1211
Contract: WEST04 Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211
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	48300	50000	97	90 - 110	P	02/06/2025	13:00	LB134616
	Antimony	498	500	100	90 - 110	P	02/06/2025	13:00	LB134616
	Arsenic	494	500	99	90 - 110	P	02/06/2025	13:00	LB134616
	Barium	2520	2500	101	90 - 110	P	02/06/2025	13:00	LB134616
	Beryllium	516	500	103	90 - 110	P	02/06/2025	13:00	LB134616
	Cadmium	494	500	99	90 - 110	P	02/06/2025	13:00	LB134616
	Calcium	233000	250000	93	90 - 110	P	02/06/2025	13:00	LB134616
	Chromium	510	500	102	90 - 110	P	02/06/2025	13:00	LB134616
	Cobalt	493	500	99	90 - 110	P	02/06/2025	13:00	LB134616
	Copper	4820	5000	96	90 - 110	P	02/06/2025	13:00	LB134616
	Iron	121000	125000	97	90 - 110	P	02/06/2025	13:00	LB134616
	Lead	2580	2500	103	90 - 110	P	02/06/2025	13:00	LB134616
	Magnesium	237000	250000	95	90 - 110	P	02/06/2025	13:00	LB134616
	Manganese	5020	5000	100	90 - 110	P	02/06/2025	13:00	LB134616
	Nickel	461	500	92	90 - 110	P	02/06/2025	13:00	LB134616
	Potassium	119000	125000	95	90 - 110	P	02/06/2025	13:00	LB134616
	Selenium	493	500	99	90 - 110	P	02/06/2025	13:00	LB134616
	Silver	487	500	97	90 - 110	P	02/06/2025	13:00	LB134616
	Sodium	235000	250000	94	90 - 110	P	02/06/2025	13:00	LB134616
	Thallium	522	500	104	90 - 110	P	02/06/2025	13:00	LB134616
	Vanadium	508	500	102	90 - 110	P	02/06/2025	13:00	LB134616
	Zinc	4820	5000	96	90 - 110	P	02/06/2025	13:00	LB134616
CCV02	Aluminum	47900	50000	96	90 - 110	P	02/06/2025	14:37	LB134616
	Antimony	498	500	100	90 - 110	P	02/06/2025	14:37	LB134616
	Arsenic	495	500	99	90 - 110	P	02/06/2025	14:37	LB134616
	Barium	2500	2500	100	90 - 110	P	02/06/2025	14:37	LB134616
	Beryllium	505	500	101	90 - 110	P	02/06/2025	14:37	LB134616
	Cadmium	489	500	98	90 - 110	P	02/06/2025	14:37	LB134616
	Calcium	232000	250000	93	90 - 110	P	02/06/2025	14:37	LB134616
	Chromium	515	500	103	90 - 110	P	02/06/2025	14:37	LB134616
	Cobalt	504	500	101	90 - 110	P	02/06/2025	14:37	LB134616
	Copper	4820	5000	96	90 - 110	P	02/06/2025	14:37	LB134616
	Iron	122000	125000	98	90 - 110	P	02/06/2025	14:37	LB134616
	Lead	2570	2500	103	90 - 110	P	02/06/2025	14:37	LB134616

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1211
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1211 **SAS No.:** Q1211
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	Magnesium	240000	250000	96	90 - 110	P	02/06/2025	14:37	LB134616
	Manganese	5020	5000	100	90 - 110	P	02/06/2025	14:37	LB134616
	Nickel	464	500	93	90 - 110	P	02/06/2025	14:37	LB134616
	Potassium	119000	125000	95	90 - 110	P	02/06/2025	14:37	LB134616
	Selenium	487	500	97	90 - 110	P	02/06/2025	14:37	LB134616
	Silver	482	500	96	90 - 110	P	02/06/2025	14:37	LB134616
	Sodium	240000	250000	96	90 - 110	P	02/06/2025	14:37	LB134616
	Thallium	516	500	103	90 - 110	P	02/06/2025	14:37	LB134616
	Vanadium	515	500	103	90 - 110	P	02/06/2025	14:37	LB134616
	Zinc	4840	5000	97	90 - 110	P	02/06/2025	14:37	LB134616
CCV03	Aluminum	47900	50000	96	90 - 110	P	02/06/2025	16:17	LB134616
	Antimony	502	500	100	90 - 110	P	02/06/2025	16:17	LB134616
	Arsenic	494	500	99	90 - 110	P	02/06/2025	16:17	LB134616
	Barium	2550	2500	102	90 - 110	P	02/06/2025	16:17	LB134616
	Beryllium	493	500	99	90 - 110	P	02/06/2025	16:17	LB134616
	Cadmium	492	500	98	90 - 110	P	02/06/2025	16:17	LB134616
	Calcium	233000	250000	93	90 - 110	P	02/06/2025	16:17	LB134616
	Chromium	511	500	102	90 - 110	P	02/06/2025	16:17	LB134616
	Cobalt	498	500	100	90 - 110	P	02/06/2025	16:17	LB134616
	Copper	4750	5000	95	90 - 110	P	02/06/2025	16:17	LB134616
	Iron	120000	125000	96	90 - 110	P	02/06/2025	16:17	LB134616
	Lead	2580	2500	103	90 - 110	P	02/06/2025	16:17	LB134616
	Magnesium	242000	250000	97	90 - 110	P	02/06/2025	16:17	LB134616
	Manganese	4970	5000	99	90 - 110	P	02/06/2025	16:17	LB134616
	Nickel	459	500	92	90 - 110	P	02/06/2025	16:17	LB134616
	Potassium	119000	125000	95	90 - 110	P	02/06/2025	16:17	LB134616
	Selenium	484	500	97	90 - 110	P	02/06/2025	16:17	LB134616
	Silver	486	500	97	90 - 110	P	02/06/2025	16:17	LB134616
	Sodium	242000	250000	97	90 - 110	P	02/06/2025	16:17	LB134616
	Thallium	522	500	104	90 - 110	P	02/06/2025	16:17	LB134616
	Vanadium	506	500	101	90 - 110	P	02/06/2025	16:17	LB134616
	Zinc	4770	5000	95	90 - 110	P	02/06/2025	16:17	LB134616
CCV04	Aluminum	47800	50000	96	90 - 110	P	02/06/2025	16:55	LB134616
	Antimony	500	500	100	90 - 110	P	02/06/2025	16:55	LB134616

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions SDG No.: Q1211
Contract: WEST04 Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211
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	Arsenic	499	500	100	90 - 110	P	02/06/2025	16:55	LB134616
	Barium	2530	2500	101	90 - 110	P	02/06/2025	16:55	LB134616
	Beryllium	499	500	100	90 - 110	P	02/06/2025	16:55	LB134616
	Cadmium	498	500	100	90 - 110	P	02/06/2025	16:55	LB134616
	Calcium	237000	250000	95	90 - 110	P	02/06/2025	16:55	LB134616
	Chromium	515	500	103	90 - 110	P	02/06/2025	16:55	LB134616
	Cobalt	502	500	100	90 - 110	P	02/06/2025	16:55	LB134616
	Copper	4800	5000	96	90 - 110	P	02/06/2025	16:55	LB134616
	Iron	121000	125000	96	90 - 110	P	02/06/2025	16:55	LB134616
	Lead	2610	2500	104	90 - 110	P	02/06/2025	16:55	LB134616
	Magnesium	241000	250000	96	90 - 110	P	02/06/2025	16:55	LB134616
	Manganese	4950	5000	99	90 - 110	P	02/06/2025	16:55	LB134616
	Nickel	459	500	92	90 - 110	P	02/06/2025	16:55	LB134616
	Potassium	120000	125000	96	90 - 110	P	02/06/2025	16:55	LB134616
	Selenium	492	500	98	90 - 110	P	02/06/2025	16:55	LB134616
	Silver	483	500	97	90 - 110	P	02/06/2025	16:55	LB134616
	Sodium	245000	250000	98	90 - 110	P	02/06/2025	16:55	LB134616
	Thallium	519	500	104	90 - 110	P	02/06/2025	16:55	LB134616
	Vanadium	516	500	103	90 - 110	P	02/06/2025	16:55	LB134616
	Zinc	4820	5000	96	90 - 110	P	02/06/2025	16:55	LB134616

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1211
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1211 **SAS No.:** Q1211
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
LLCCV	Aluminum	19.1	20.0	95	80 - 120	P	02/06/2025	16:58	LB134616
	Antimony	2.16	2.0	108	80 - 120	P	02/06/2025	16:58	LB134616
	Arsenic	1.07	1.0	107	80 - 120	P	02/06/2025	16:58	LB134616
	Barium	10.0	10.0	100	80 - 120	P	02/06/2025	16:58	LB134616
	Beryllium	1.12	1.0	112	80 - 120	P	02/06/2025	16:58	LB134616
	Cadmium	1.06	1.0	106	80 - 120	P	02/06/2025	16:58	LB134616
	Calcium	480	500	96	80 - 120	P	02/06/2025	16:58	LB134616
	Chromium	1.80	2.0	90	80 - 120	P	02/06/2025	16:58	LB134616
	Cobalt	1.08	1.0	108	80 - 120	P	02/06/2025	16:58	LB134616
	Copper	2.24	2.0	112	80 - 120	P	02/06/2025	16:58	LB134616
	Iron	50.9	50.0	102	80 - 120	P	02/06/2025	16:58	LB134616
	Lead	1.18	1.0	118	80 - 120	P	02/06/2025	16:58	LB134616
	Magnesium	502	500	100	80 - 120	P	02/06/2025	16:58	LB134616
	Manganese	1.04	1.0	104	80 - 120	P	02/06/2025	16:58	LB134616
	Nickel	1.21	1.0	121	80 - 120	P	02/06/2025	16:58	LB134616
	Potassium	495	500	99	80 - 120	P	02/06/2025	16:58	LB134616
	Selenium	5.08	5.0	102	80 - 120	P	02/06/2025	16:58	LB134616
	Silver	1.03	1.0	103	80 - 120	P	02/06/2025	16:58	LB134616
	Sodium	536	500	107	80 - 120	P	02/06/2025	16:58	LB134616
	Thallium	1.00	1.0	100	80 - 120	P	02/06/2025	16:58	LB134616
	Vanadium	5.03	5.0	101	80 - 120	P	02/06/2025	16:58	LB134616
	Zinc	4.90	5.0	98	80 - 120	P	02/06/2025	16:58	LB134616

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1211

Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1211 **SAS No.:** Q1211

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
CCV05	Aluminum	49100	50000	98	90 - 110	P	02/06/2025	17:39	LB134616
	Antimony	495	500	99	90 - 110	P	02/06/2025	17:39	LB134616
	Arsenic	503	500	100	90 - 110	P	02/06/2025	17:39	LB134616
	Barium	2490	2500	100	90 - 110	P	02/06/2025	17:39	LB134616
	Beryllium	483	500	97	90 - 110	P	02/06/2025	17:39	LB134616
	Cadmium	489	500	98	90 - 110	P	02/06/2025	17:39	LB134616
	Calcium	232000	250000	93	90 - 110	P	02/06/2025	17:39	LB134616
	Chromium	514	500	103	90 - 110	P	02/06/2025	17:39	LB134616
	Cobalt	498	500	100	90 - 110	P	02/06/2025	17:39	LB134616
	Copper	4820	5000	96	90 - 110	P	02/06/2025	17:39	LB134616
	Iron	122000	125000	98	90 - 110	P	02/06/2025	17:39	LB134616
	Lead	2510	2500	100	90 - 110	P	02/06/2025	17:39	LB134616
	Magnesium	244000	250000	98	90 - 110	P	02/06/2025	17:39	LB134616
	Manganese	4990	5000	100	90 - 110	P	02/06/2025	17:39	LB134616
	Nickel	464	500	93	90 - 110	P	02/06/2025	17:39	LB134616
	Potassium	122000	125000	97	90 - 110	P	02/06/2025	17:39	LB134616
	Selenium	470	500	94	90 - 110	P	02/06/2025	17:39	LB134616
	Silver	477	500	96	90 - 110	P	02/06/2025	17:39	LB134616
	Sodium	247000	250000	99	90 - 110	P	02/06/2025	17:39	LB134616
	Thallium	504	500	101	90 - 110	P	02/06/2025	17:39	LB134616
	Vanadium	513	500	103	90 - 110	P	02/06/2025	17:39	LB134616
	Zinc	4780	5000	96	90 - 110	P	02/06/2025	17:39	LB134616
CCV06	Aluminum	47400	50000	95	90 - 110	P	02/06/2025	18:14	LB134616
	Antimony	503	500	101	90 - 110	P	02/06/2025	18:14	LB134616
	Arsenic	491	500	98	90 - 110	P	02/06/2025	18:14	LB134616
	Barium	2540	2500	102	90 - 110	P	02/06/2025	18:14	LB134616
	Beryllium	493	500	98	90 - 110	P	02/06/2025	18:14	LB134616
	Cadmium	495	500	99	90 - 110	P	02/06/2025	18:14	LB134616
	Calcium	235000	250000	94	90 - 110	P	02/06/2025	18:14	LB134616
	Chromium	492	500	98	90 - 110	P	02/06/2025	18:14	LB134616
	Cobalt	485	500	97	90 - 110	P	02/06/2025	18:14	LB134616
	Copper	4670	5000	94	90 - 110	P	02/06/2025	18:14	LB134616
	Iron	119000	125000	95	90 - 110	P	02/06/2025	18:14	LB134616
	Lead	2560	2500	102	90 - 110	P	02/06/2025	18:14	LB134616

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1211
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1211 **SAS No.:** Q1211
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	Magnesium	239000	250000	96	90 - 110	P	02/06/2025	18:14	LB134616
	Manganese	4820	5000	96	90 - 110	P	02/06/2025	18:14	LB134616
	Nickel	451	500	90	90 - 110	P	02/06/2025	18:14	LB134616
	Potassium	118000	125000	95	90 - 110	P	02/06/2025	18:14	LB134616
	Selenium	478	500	96	90 - 110	P	02/06/2025	18:14	LB134616
	Silver	485	500	97	90 - 110	P	02/06/2025	18:14	LB134616
	Sodium	240000	250000	96	90 - 110	P	02/06/2025	18:14	LB134616
	Thallium	513	500	103	90 - 110	P	02/06/2025	18:14	LB134616
	Vanadium	498	500	100	90 - 110	P	02/06/2025	18:14	LB134616
	Zinc	4720	5000	94	90 - 110	P	02/06/2025	18:14	LB134616
CCV07	Aluminum	49200	50000	98	90 - 110	P	02/06/2025	18:52	LB134616
	Antimony	486	500	97	90 - 110	P	02/06/2025	18:52	LB134616
	Arsenic	511	500	102	90 - 110	P	02/06/2025	18:52	LB134616
	Barium	2450	2500	98	90 - 110	P	02/06/2025	18:52	LB134616
	Beryllium	471	500	94	90 - 110	P	02/06/2025	18:52	LB134616
	Cadmium	482	500	96	90 - 110	P	02/06/2025	18:52	LB134616
	Calcium	227000	250000	91	90 - 110	P	02/06/2025	18:52	LB134616
	Chromium	512	500	102	90 - 110	P	02/06/2025	18:52	LB134616
	Cobalt	502	500	100	90 - 110	P	02/06/2025	18:52	LB134616
	Copper	4760	5000	95	90 - 110	P	02/06/2025	18:52	LB134616
	Iron	123000	125000	98	90 - 110	P	02/06/2025	18:52	LB134616
	Lead	2460	2500	98	90 - 110	P	02/06/2025	18:52	LB134616
	Magnesium	246000	250000	98	90 - 110	P	02/06/2025	18:52	LB134616
	Manganese	4980	5000	100	90 - 110	P	02/06/2025	18:52	LB134616
	Nickel	463	500	93	90 - 110	P	02/06/2025	18:52	LB134616
	Potassium	122000	125000	98	90 - 110	P	02/06/2025	18:52	LB134616
	Selenium	467	500	94	90 - 110	P	02/06/2025	18:52	LB134616
	Silver	473	500	95	90 - 110	P	02/06/2025	18:52	LB134616
	Sodium	249000	250000	100	90 - 110	P	02/06/2025	18:52	LB134616
	Thallium	499	500	100	90 - 110	P	02/06/2025	18:52	LB134616
	Vanadium	515	500	103	90 - 110	P	02/06/2025	18:52	LB134616
	Zinc	4810	5000	96	90 - 110	P	02/06/2025	18:52	LB134616