

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1295
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295
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
ICV89	Mercury	3.68	4.0	92	90 - 110	CV	02/06/2025	13:40	LB134603

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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
CCV33	Mercury	5.31	5.0	106	90 - 110	CV	02/06/2025	13:45	LB134603
CCV34	Mercury	5.18	5.0	104	90 - 110	CV	02/06/2025	14:19	LB134603
CCV35	Mercury	5.31	5.0	106	90 - 110	CV	02/06/2025	14:52	LB134603
CCV36	Mercury	5.29	5.0	106	90 - 110	CV	02/06/2025	15:15	LB134603

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Client: Weston Solutions SDG No.: Q1295
Contract: WEST04 Lab Code: CHEM Case No.: Q1295 SAS No.: Q1295
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	486	500	97	90 - 110	P	02/17/2025	12:48	LB134737
	Antimony	212	200	106	90 - 110	P	02/17/2025	12:48	LB134737
	Arsenic	210	200	105	90 - 110	P	02/17/2025	12:48	LB134737
	Barium	101	100	101	90 - 110	P	02/17/2025	12:48	LB134737
	Beryllium	102	100	102	90 - 110	P	02/17/2025	12:48	LB134737
	Cadmium	103	100	103	90 - 110	P	02/17/2025	12:48	LB134737
	Calcium	2080	2000	104	90 - 110	P	02/17/2025	12:48	LB134737
	Chromium	101	100	101	90 - 110	P	02/17/2025	12:48	LB134737
	Cobalt	104	100	104	90 - 110	P	02/17/2025	12:48	LB134737
	Copper	105	100	105	90 - 110	P	02/17/2025	12:48	LB134737
	Iron	2080	2000	104	90 - 110	P	02/17/2025	12:48	LB134737
	Lead	204	200	102	90 - 110	P	02/17/2025	12:48	LB134737
	Magnesium	1160	1200	97	90 - 110	P	02/17/2025	12:48	LB134737
	Manganese	99.7	100	100	90 - 110	P	02/17/2025	12:48	LB134737
	Nickel	105	110	96	90 - 110	P	02/17/2025	12:48	LB134737
	Potassium	1950	2000	98	90 - 110	P	02/17/2025	12:48	LB134737
	Selenium	218	200	109	90 - 110	P	02/17/2025	12:48	LB134737
	Silver	48.5	50.0	97	90 - 110	P	02/17/2025	12:48	LB134737
	Sodium	2000	2000	100	90 - 110	P	02/17/2025	12:48	LB134737
	Thallium	202	210	96	90 - 110	P	02/17/2025	12:48	LB134737
	Vanadium	98.2	100	98	90 - 110	P	02/17/2025	12:48	LB134737
	Zinc	201	200	100	90 - 110	P	02/17/2025	12:48	LB134737

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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
LLICV	Aluminum	20.2	20.0	101	80 - 120	P	02/17/2025	12:52	LB134737
	Antimony	2.02	2.0	101	80 - 120	P	02/17/2025	12:52	LB134737
	Arsenic	1.08	1.0	108	80 - 120	P	02/17/2025	12:52	LB134737
	Barium	9.80	10.0	98	80 - 120	P	02/17/2025	12:52	LB134737
	Beryllium	1.09	1.0	109	80 - 120	P	02/17/2025	12:52	LB134737
	Cadmium	1.09	1.0	109	80 - 120	P	02/17/2025	12:52	LB134737
	Calcium	501	500	100	80 - 120	P	02/17/2025	12:52	LB134737
	Chromium	1.99	2.0	100	80 - 120	P	02/17/2025	12:52	LB134737
	Cobalt	1.07	1.0	107	80 - 120	P	02/17/2025	12:52	LB134737
	Copper	2.08	2.0	104	80 - 120	P	02/17/2025	12:52	LB134737
	Iron	54.4	50.0	109	80 - 120	P	02/17/2025	12:52	LB134737
	Lead	1.00	1.0	100	80 - 120	P	02/17/2025	12:52	LB134737
	Magnesium	510	500	102	80 - 120	P	02/17/2025	12:52	LB134737
	Manganese	1.08	1.0	108	80 - 120	P	02/17/2025	12:52	LB134737
	Nickel	1.00	1.0	100	80 - 120	P	02/17/2025	12:52	LB134737
	Potassium	495	500	99	80 - 120	P	02/17/2025	12:52	LB134737
	Selenium	5.18	5.0	104	80 - 120	P	02/17/2025	12:52	LB134737
	Silver	1.00	1.0	100	80 - 120	P	02/17/2025	12:52	LB134737
	Sodium	508	500	102	80 - 120	P	02/17/2025	12:52	LB134737
	Thallium	0.96	1.0	96	80 - 120	P	02/17/2025	12:52	LB134737
	Vanadium	4.92	5.0	98	80 - 120	P	02/17/2025	12:52	LB134737
	Zinc	5.48	5.0	110	80 - 120	P	02/17/2025	12:52	LB134737

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Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1295 **SAS No.:** Q1295

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	50600	50000	101	90 - 110	P	02/17/2025	13:13	LB134737
	Antimony	496	500	99	90 - 110	P	02/17/2025	13:13	LB134737
	Arsenic	489	500	98	90 - 110	P	02/17/2025	13:13	LB134737
	Barium	2500	2500	100	90 - 110	P	02/17/2025	13:13	LB134737
	Beryllium	512	500	102	90 - 110	P	02/17/2025	13:13	LB134737
	Cadmium	488	500	98	90 - 110	P	02/17/2025	13:13	LB134737
	Calcium	253000	250000	101	90 - 110	P	02/17/2025	13:13	LB134737
	Chromium	490	500	98	90 - 110	P	02/17/2025	13:13	LB134737
	Cobalt	485	500	97	90 - 110	P	02/17/2025	13:13	LB134737
	Copper	4650	5000	93	90 - 110	P	02/17/2025	13:13	LB134737
	Iron	126000	125000	101	90 - 110	P	02/17/2025	13:13	LB134737
	Lead	2490	2500	100	90 - 110	P	02/17/2025	13:13	LB134737
	Magnesium	251000	250000	100	90 - 110	P	02/17/2025	13:13	LB134737
	Manganese	4930	5000	99	90 - 110	P	02/17/2025	13:13	LB134737
	Nickel	498	500	100	90 - 110	P	02/17/2025	13:13	LB134737
	Potassium	125000	125000	100	90 - 110	P	02/17/2025	13:13	LB134737
	Selenium	483	500	97	90 - 110	P	02/17/2025	13:13	LB134737
	Silver	488	500	98	90 - 110	P	02/17/2025	13:13	LB134737
	Sodium	252000	250000	101	90 - 110	P	02/17/2025	13:13	LB134737
	Thallium	506	500	101	90 - 110	P	02/17/2025	13:13	LB134737
	Vanadium	472	500	94	90 - 110	P	02/17/2025	13:13	LB134737
	Zinc	4760	5000	95	90 - 110	P	02/17/2025	13:13	LB134737
CCV02	Aluminum	50500	50000	101	90 - 110	P	02/17/2025	13:57	LB134737
	Antimony	489	500	98	90 - 110	P	02/17/2025	13:57	LB134737
	Arsenic	521	500	104	90 - 110	P	02/17/2025	13:57	LB134737
	Barium	2480	2500	99	90 - 110	P	02/17/2025	13:57	LB134737
	Beryllium	519	500	104	90 - 110	P	02/17/2025	13:57	LB134737
	Cadmium	489	500	98	90 - 110	P	02/17/2025	13:57	LB134737
	Calcium	252000	250000	101	90 - 110	P	02/17/2025	13:57	LB134737
	Chromium	492	500	98	90 - 110	P	02/17/2025	13:57	LB134737
	Cobalt	482	500	96	90 - 110	P	02/17/2025	13:57	LB134737
	Copper	4670	5000	93	90 - 110	P	02/17/2025	13:57	LB134737
	Iron	125000	125000	100	90 - 110	P	02/17/2025	13:57	LB134737
	Lead	2510	2500	100	90 - 110	P	02/17/2025	13:57	LB134737

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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	250000	250000	100	90 - 110	P	02/17/2025	13:57	LB134737
	Manganese	4920	5000	98	90 - 110	P	02/17/2025	13:57	LB134737
	Nickel	497	500	100	90 - 110	P	02/17/2025	13:57	LB134737
	Potassium	124000	125000	99	90 - 110	P	02/17/2025	13:57	LB134737
	Selenium	484	500	97	90 - 110	P	02/17/2025	13:57	LB134737
	Silver	483	500	97	90 - 110	P	02/17/2025	13:57	LB134737
	Sodium	249000	250000	100	90 - 110	P	02/17/2025	13:57	LB134737
	Thallium	509	500	102	90 - 110	P	02/17/2025	13:57	LB134737
	Vanadium	472	500	94	90 - 110	P	02/17/2025	13:57	LB134737
	Zinc	4790	5000	96	90 - 110	P	02/17/2025	13:57	LB134737
CCV03	Aluminum	50000	50000	100	90 - 110	P	02/17/2025	14:30	LB134737
	Antimony	482	500	96	90 - 110	P	02/17/2025	14:30	LB134737
	Arsenic	487	500	97	90 - 110	P	02/17/2025	14:30	LB134737
	Barium	2460	2500	98	90 - 110	P	02/17/2025	14:30	LB134737
	Beryllium	512	500	102	90 - 110	P	02/17/2025	14:30	LB134737
	Cadmium	479	500	96	90 - 110	P	02/17/2025	14:30	LB134737
	Calcium	253000	250000	101	90 - 110	P	02/17/2025	14:30	LB134737
	Chromium	484	500	97	90 - 110	P	02/17/2025	14:30	LB134737
	Cobalt	474	500	95	90 - 110	P	02/17/2025	14:30	LB134737
	Copper	4590	5000	92	90 - 110	P	02/17/2025	14:30	LB134737
	Iron	123000	125000	98	90 - 110	P	02/17/2025	14:30	LB134737
	Lead	2500	2500	100	90 - 110	P	02/17/2025	14:30	LB134737
	Magnesium	247000	250000	99	90 - 110	P	02/17/2025	14:30	LB134737
	Manganese	4870	5000	98	90 - 110	P	02/17/2025	14:30	LB134737
	Nickel	458	500	92	90 - 110	P	02/17/2025	14:30	LB134737
	Potassium	124000	125000	99	90 - 110	P	02/17/2025	14:30	LB134737
	Selenium	483	500	97	90 - 110	P	02/17/2025	14:30	LB134737
	Silver	476	500	95	90 - 110	P	02/17/2025	14:30	LB134737
	Sodium	246000	250000	98	90 - 110	P	02/17/2025	14:30	LB134737
	Thallium	506	500	101	90 - 110	P	02/17/2025	14:30	LB134737
	Vanadium	466	500	93	90 - 110	P	02/17/2025	14:30	LB134737
	Zinc	4690	5000	94	90 - 110	P	02/17/2025	14:30	LB134737