

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** Q1539
Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1539 **SAS No.:** Q1539
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
ICV38	Mercury	3.65	4.0	91	90 - 110	CV	03/12/2025	11:00	LB134996

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Client: Weston Solutions **SDG No.:** Q1539
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Initial Calibration Source: EPA
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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV86	Mercury	4.85	5.0	97	90 - 110	CV	03/12/2025	11:10	LB134996
CCV87	Mercury	4.80	5.0	96	90 - 110	CV	03/12/2025	11:43	LB134996
CCV88	Mercury	4.78	5.0	96	90 - 110	CV	03/12/2025	12:54	LB134996
CCV89	Mercury	4.87	5.0	97	90 - 110	CV	03/12/2025	13:17	LB134996
CCV90	Mercury	5.23	5.0	105	90 - 110	CV	03/12/2025	13:46	LB134996

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Contract: WEST04 Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539
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	493	500	99	90 - 110	P	03/23/2025	15:35	LB135143
	Antimony	195	200	97	90 - 110	P	03/23/2025	15:35	LB135143
	Arsenic	215	200	107	90 - 110	P	03/23/2025	15:35	LB135143
	Barium	96.7	100	97	90 - 110	P	03/23/2025	15:35	LB135143
	Beryllium	96.7	100	97	90 - 110	P	03/23/2025	15:35	LB135143
	Cadmium	105	100	105	90 - 110	P	03/23/2025	15:35	LB135143
	Calcium	1880	2000	94	90 - 110	P	03/23/2025	15:35	LB135143
	Chromium	96.5	100	96	90 - 110	P	03/23/2025	15:35	LB135143
	Cobalt	96.6	100	97	90 - 110	P	03/23/2025	15:35	LB135143
	Copper	99.4	100	99	90 - 110	P	03/23/2025	15:35	LB135143
	Iron	2040	2000	102	90 - 110	P	03/23/2025	15:35	LB135143
	Lead	207	200	103	90 - 110	P	03/23/2025	15:35	LB135143
	Magnesium	1110	1200	93	90 - 110	P	03/23/2025	15:35	LB135143
	Manganese	101	100	101	90 - 110	P	03/23/2025	15:35	LB135143
	Nickel	120	110	110	90 - 110	P	03/23/2025	15:35	LB135143
	Potassium	1890	2000	94	90 - 110	P	03/23/2025	15:35	LB135143
	Selenium	220	200	110	90 - 110	P	03/23/2025	15:35	LB135143
	Silver	47.9	50.0	96	90 - 110	P	03/23/2025	15:35	LB135143
	Sodium	1870	2000	93	90 - 110	P	03/23/2025	15:35	LB135143
	Thallium	207	210	99	90 - 110	P	03/23/2025	15:35	LB135143
	Vanadium	93.5	100	94	90 - 110	P	03/23/2025	15:35	LB135143
	Zinc	185	200	93	90 - 110	P	03/23/2025	15:35	LB135143

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Initial Calibration Source: EPA
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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV	Aluminum	18.0	20.0	90	80 - 120	P	03/23/2025	15:47	LB135143
	Antimony	1.91	2.0	96	80 - 120	P	03/23/2025	15:47	LB135143
	Arsenic	1.16	1.0	116	80 - 120	P	03/23/2025	15:47	LB135143
	Barium	9.20	10.0	92	80 - 120	P	03/23/2025	15:47	LB135143
	Beryllium	1.03	1.0	103	80 - 120	P	03/23/2025	15:47	LB135143
	Cadmium	0.99	1.0	99	80 - 120	P	03/23/2025	15:47	LB135143
	Calcium	451	500	90	80 - 120	P	03/23/2025	15:47	LB135143
	Chromium	1.85	2.0	92	80 - 120	P	03/23/2025	15:47	LB135143
	Cobalt	0.97	1.0	97	80 - 120	P	03/23/2025	15:47	LB135143
	Copper	1.77	2.0	88	80 - 120	P	03/23/2025	15:47	LB135143
	Iron	54.4	50.0	109	80 - 120	P	03/23/2025	15:47	LB135143
	Lead	0.82	1.0	82	80 - 120	P	03/23/2025	15:47	LB135143
	Magnesium	441	500	88	80 - 120	P	03/23/2025	15:47	LB135143
	Manganese	0.81	1.0	81	80 - 120	P	03/23/2025	15:47	LB135143
	Nickel	0.89	1.0	89	80 - 120	P	03/23/2025	15:47	LB135143
	Potassium	463	500	93	80 - 120	P	03/23/2025	15:47	LB135143
	Selenium	5.09	5.0	102	80 - 120	P	03/23/2025	15:47	LB135143
	Silver	0.99	1.0	99	80 - 120	P	03/23/2025	15:47	LB135143
	Sodium	440	500	88	80 - 120	P	03/23/2025	15:47	LB135143
	Thallium	0.87	1.0	87	80 - 120	P	03/23/2025	15:47	LB135143
	Vanadium	4.50	5.0	90	80 - 120	P	03/23/2025	15:47	LB135143
	Zinc	4.30	5.0	86	80 - 120	P	03/23/2025	15:47	LB135143

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Client: Weston Solutions **SDG No.:** Q1539

Contract: WEST04 **Lab Code:** CHEM **Case No.:** Q1539 **SAS No.:** Q1539

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	49800	50000	100	90 - 110	P	03/23/2025	16:00	LB135143
	Antimony	504	500	101	90 - 110	P	03/23/2025	16:00	LB135143
	Arsenic	487	500	97	90 - 110	P	03/23/2025	16:00	LB135143
	Barium	2560	2500	103	90 - 110	P	03/23/2025	16:00	LB135143
	Beryllium	453	500	91	90 - 110	P	03/23/2025	16:00	LB135143
	Cadmium	457	500	91	90 - 110	P	03/23/2025	16:00	LB135143
	Calcium	246000	250000	98	90 - 110	P	03/23/2025	16:00	LB135143
	Chromium	503	500	100	90 - 110	P	03/23/2025	16:00	LB135143
	Cobalt	490	500	98	90 - 110	P	03/23/2025	16:00	LB135143
	Copper	5040	5000	101	90 - 110	P	03/23/2025	16:00	LB135143
	Iron	129000	125000	103	90 - 110	P	03/23/2025	16:00	LB135143
	Lead	2580	2500	103	90 - 110	P	03/23/2025	16:00	LB135143
	Magnesium	248000	250000	99	90 - 110	P	03/23/2025	16:00	LB135143
	Manganese	4980	5000	100	90 - 110	P	03/23/2025	16:00	LB135143
	Nickel	508	500	102	90 - 110	P	03/23/2025	16:00	LB135143
	Potassium	124000	125000	99	90 - 110	P	03/23/2025	16:00	LB135143
	Selenium	478	500	96	90 - 110	P	03/23/2025	16:00	LB135143
	Silver	457	500	91	90 - 110	P	03/23/2025	16:00	LB135143
	Sodium	244000	250000	98	90 - 110	P	03/23/2025	16:00	LB135143
	Thallium	527	500	105	90 - 110	P	03/23/2025	16:00	LB135143
	Vanadium	505	500	101	90 - 110	P	03/23/2025	16:00	LB135143
	Zinc	4890	5000	98	90 - 110	P	03/23/2025	16:00	LB135143
CCV02	Aluminum	50700	50000	101	90 - 110	P	03/23/2025	16:45	LB135143
	Antimony	502	500	100	90 - 110	P	03/23/2025	16:45	LB135143
	Arsenic	492	500	98	90 - 110	P	03/23/2025	16:45	LB135143
	Barium	2550	2500	102	90 - 110	P	03/23/2025	16:45	LB135143
	Beryllium	492	500	98	90 - 110	P	03/23/2025	16:45	LB135143
	Cadmium	457	500	91	90 - 110	P	03/23/2025	16:45	LB135143
	Calcium	250000	250000	100	90 - 110	P	03/23/2025	16:45	LB135143
	Chromium	505	500	101	90 - 110	P	03/23/2025	16:45	LB135143
	Cobalt	501	500	100	90 - 110	P	03/23/2025	16:45	LB135143
	Copper	5150	5000	103	90 - 110	P	03/23/2025	16:45	LB135143
	Iron	131000	125000	105	90 - 110	P	03/23/2025	16:45	LB135143
	Lead	2540	2500	102	90 - 110	P	03/23/2025	16:45	LB135143

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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	252000	250000	101	90 - 110	P	03/23/2025	16:45	LB135143
	Manganese	5030	5000	101	90 - 110	P	03/23/2025	16:45	LB135143
	Nickel	516	500	103	90 - 110	P	03/23/2025	16:45	LB135143
	Potassium	128000	125000	102	90 - 110	P	03/23/2025	16:45	LB135143
	Selenium	477	500	95	90 - 110	P	03/23/2025	16:45	LB135143
	Silver	458	500	92	90 - 110	P	03/23/2025	16:45	LB135143
	Sodium	252000	250000	101	90 - 110	P	03/23/2025	16:45	LB135143
	Thallium	523	500	104	90 - 110	P	03/23/2025	16:45	LB135143
	Vanadium	516	500	103	90 - 110	P	03/23/2025	16:45	LB135143
	Zinc	5020	5000	100	90 - 110	P	03/23/2025	16:45	LB135143
CCV03	Aluminum	50800	50000	102	90 - 110	P	03/23/2025	17:31	LB135143
	Antimony	496	500	99	90 - 110	P	03/23/2025	17:31	LB135143
	Arsenic	481	500	96	90 - 110	P	03/23/2025	17:31	LB135143
	Barium	2530	2500	101	90 - 110	P	03/23/2025	17:31	LB135143
	Beryllium	486	500	97	90 - 110	P	03/23/2025	17:31	LB135143
	Cadmium	453	500	91	90 - 110	P	03/23/2025	17:31	LB135143
	Calcium	248000	250000	99	90 - 110	P	03/23/2025	17:31	LB135143
	Chromium	498	500	100	90 - 110	P	03/23/2025	17:31	LB135143
	Cobalt	495	500	99	90 - 110	P	03/23/2025	17:31	LB135143
	Copper	5140	5000	103	90 - 110	P	03/23/2025	17:31	LB135143
	Iron	131000	125000	105	90 - 110	P	03/23/2025	17:31	LB135143
	Lead	2550	2500	102	90 - 110	P	03/23/2025	17:31	LB135143
	Magnesium	253000	250000	101	90 - 110	P	03/23/2025	17:31	LB135143
	Manganese	5020	5000	100	90 - 110	P	03/23/2025	17:31	LB135143
	Nickel	514	500	103	90 - 110	P	03/23/2025	17:31	LB135143
	Potassium	126000	125000	101	90 - 110	P	03/23/2025	17:31	LB135143
	Selenium	476	500	95	90 - 110	P	03/23/2025	17:31	LB135143
	Silver	454	500	91	90 - 110	P	03/23/2025	17:31	LB135143
	Sodium	253000	250000	101	90 - 110	P	03/23/2025	17:31	LB135143
	Thallium	513	500	103	90 - 110	P	03/23/2025	17:31	LB135143
	Vanadium	511	500	102	90 - 110	P	03/23/2025	17:31	LB135143
	Zinc	4950	5000	99	90 - 110	P	03/23/2025	17:31	LB135143
CCV04	Aluminum	51000	50000	102	90 - 110	P	03/23/2025	18:20	LB135143
	Antimony	511	500	102	90 - 110	P	03/23/2025	18:20	LB135143

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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
CCV04	Arsenic	498	500	100	90 - 110	P	03/23/2025	18:20	LB135143
	Barium	2530	2500	101	90 - 110	P	03/23/2025	18:20	LB135143
	Beryllium	457	500	92	90 - 110	P	03/23/2025	18:20	LB135143
	Cadmium	494	500	99	90 - 110	P	03/23/2025	18:20	LB135143
	Calcium	247000	250000	99	90 - 110	P	03/23/2025	18:20	LB135143
	Chromium	501	500	100	90 - 110	P	03/23/2025	18:20	LB135143
	Cobalt	499	500	100	90 - 110	P	03/23/2025	18:20	LB135143
	Copper	5140	5000	103	90 - 110	P	03/23/2025	18:20	LB135143
	Iron	130000	125000	104	90 - 110	P	03/23/2025	18:20	LB135143
	Lead	2570	2500	103	90 - 110	P	03/23/2025	18:20	LB135143
	Magnesium	254000	250000	102	90 - 110	P	03/23/2025	18:20	LB135143
	Manganese	4980	5000	100	90 - 110	P	03/23/2025	18:20	LB135143
	Nickel	490	500	98	90 - 110	P	03/23/2025	18:20	LB135143
	Potassium	126000	125000	101	90 - 110	P	03/23/2025	18:20	LB135143
	Selenium	478	500	96	90 - 110	P	03/23/2025	18:20	LB135143
	Silver	469	500	94	90 - 110	P	03/23/2025	18:20	LB135143
	Sodium	250000	250000	100	90 - 110	P	03/23/2025	18:20	LB135143
	Thallium	521	500	104	90 - 110	P	03/23/2025	18:20	LB135143
	Vanadium	514	500	103	90 - 110	P	03/23/2025	18:20	LB135143
	Zinc	5020	5000	100	90 - 110	P	03/23/2025	18:20	LB135143