

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions **SDG No.:** P5076
Contract: WEST04 **Lab Code:** CHEM **Case No.:** P5076 **SAS No.:** P5076
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
ICV12	Mercury	3.72	4.0	93	90 - 110	CV	12/06/2024	16:42	LB133794

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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
CCV01	Mercury	4.92	5.0	98	90 - 110	CV	12/06/2024	16:49	LB133794
CCV02	Mercury	4.72	5.0	94	90 - 110	CV	12/06/2024	17:35	LB133794
CCV03	Mercury	4.96	5.0	99	90 - 110	CV	12/06/2024	18:05	LB133794
CCV04	Mercury	4.95	5.0	99	90 - 110	CV	12/06/2024	18:21	LB133794

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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
ICV01	Aluminum	491	500	98	90 - 110	P	12/19/2024	15:49	LB134024
	Antimony	220	200	110	90 - 110	P	12/19/2024	15:49	LB134024
	Arsenic	219	200	109	90 - 110	P	12/19/2024	15:49	LB134024
	Barium	106	100	106	90 - 110	P	12/19/2024	15:49	LB134024
	Beryllium	105	100	105	90 - 110	P	12/19/2024	15:49	LB134024
	Cadmium	110	100	110	90 - 110	P	12/19/2024	15:49	LB134024
	Calcium	2020	2000	101	90 - 110	P	12/19/2024	15:49	LB134024
	Chromium	106	100	106	90 - 110	P	12/19/2024	15:49	LB134024
	Cobalt	106	100	106	90 - 110	P	12/19/2024	15:49	LB134024
	Copper	102	100	102	90 - 110	P	12/19/2024	15:49	LB134024
	Iron	2150	2000	108	90 - 110	P	12/19/2024	15:49	LB134024
	Lead	206	200	103	90 - 110	P	12/19/2024	15:49	LB134024
	Magnesium	1170	1200	98	90 - 110	P	12/19/2024	15:49	LB134024
	Manganese	103	100	103	90 - 110	P	12/19/2024	15:49	LB134024
	Nickel	108	110	98	90 - 110	P	12/19/2024	15:49	LB134024
	Potassium	2000	2000	100	90 - 110	P	12/19/2024	15:49	LB134024
	Selenium	214	200	107	90 - 110	P	12/19/2024	15:49	LB134024
	Silver	54.3	50.0	108	90 - 110	P	12/19/2024	15:49	LB134024
	Sodium	2020	2000	101	90 - 110	P	12/19/2024	15:49	LB134024
	Thallium	208	210	99	90 - 110	P	12/19/2024	15:49	LB134024
	Vanadium	102	100	102	90 - 110	P	12/19/2024	15:49	LB134024
	Zinc	204	200	102	90 - 110	P	12/19/2024	15:49	LB134024

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Contract: WEST04 Lab Code: CHEM Case No.: P5076 SAS No.: P5076
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	18.5	20.0	92	80 - 120	P	12/19/2024	16:04	LB134024
	Antimony	2.04	2.0	102	80 - 120	P	12/19/2024	16:04	LB134024
	Arsenic	1.06	1.0	106	80 - 120	P	12/19/2024	16:04	LB134024
	Barium	9.76	10.0	98	80 - 120	P	12/19/2024	16:04	LB134024
	Beryllium	1.03	1.0	103	80 - 120	P	12/19/2024	16:04	LB134024
	Cadmium	1.06	1.0	106	80 - 120	P	12/19/2024	16:04	LB134024
	Calcium	514	500	103	80 - 120	P	12/19/2024	16:04	LB134024
	Chromium	1.98	2.0	99	80 - 120	P	12/19/2024	16:04	LB134024
	Cobalt	1.04	1.0	104	80 - 120	P	12/19/2024	16:04	LB134024
	Copper	1.91	2.0	96	80 - 120	P	12/19/2024	16:04	LB134024
	Iron	53.4	50.0	107	80 - 120	P	12/19/2024	16:04	LB134024
	Lead	0.92	1.0	92	80 - 120	P	12/19/2024	16:04	LB134024
	Magnesium	498	500	100	80 - 120	P	12/19/2024	16:04	LB134024
	Manganese	0.96	1.0	96	80 - 120	P	12/19/2024	16:04	LB134024
	Nickel	1.03	1.0	103	80 - 120	P	12/19/2024	16:04	LB134024
	Potassium	498	500	100	80 - 120	P	12/19/2024	16:04	LB134024
	Selenium	5.30	5.0	106	80 - 120	P	12/19/2024	16:04	LB134024
	Silver	1.02	1.0	102	80 - 120	P	12/19/2024	16:04	LB134024
	Sodium	473	500	94	80 - 120	P	12/19/2024	16:04	LB134024
	Thallium	0.91	1.0	91	80 - 120	P	12/19/2024	16:04	LB134024
	Vanadium	4.88	5.0	98	80 - 120	P	12/19/2024	16:04	LB134024
	Zinc	4.96	5.0	99	80 - 120	P	12/19/2024	16:04	LB134024

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	51600	50000	103	90 - 110	P	12/19/2024	16:16	LB134024
	Antimony	511	500	102	90 - 110	P	12/19/2024	16:16	LB134024
	Arsenic	530	500	106	90 - 110	P	12/19/2024	16:16	LB134024
	Barium	2580	2500	103	90 - 110	P	12/19/2024	16:16	LB134024
	Beryllium	494	500	99	90 - 110	P	12/19/2024	16:16	LB134024
	Cadmium	520	500	104	90 - 110	P	12/19/2024	16:16	LB134024
	Calcium	257000	250000	103	90 - 110	P	12/19/2024	16:16	LB134024
	Chromium	510	500	102	90 - 110	P	12/19/2024	16:16	LB134024
	Cobalt	497	500	100	90 - 110	P	12/19/2024	16:16	LB134024
	Copper	4850	5000	97	90 - 110	P	12/19/2024	16:16	LB134024
	Iron	130000	125000	104	90 - 110	P	12/19/2024	16:16	LB134024
	Lead	2610	2500	104	90 - 110	P	12/19/2024	16:16	LB134024
	Magnesium	257000	250000	103	90 - 110	P	12/19/2024	16:16	LB134024
	Manganese	5000	5000	100	90 - 110	P	12/19/2024	16:16	LB134024
	Nickel	477	500	96	90 - 110	P	12/19/2024	16:16	LB134024
	Potassium	127000	125000	102	90 - 110	P	12/19/2024	16:16	LB134024
	Selenium	513	500	103	90 - 110	P	12/19/2024	16:16	LB134024
	Silver	526	500	105	90 - 110	P	12/19/2024	16:16	LB134024
	Sodium	254000	250000	101	90 - 110	P	12/19/2024	16:16	LB134024
	Thallium	529	500	106	90 - 110	P	12/19/2024	16:16	LB134024
	Vanadium	516	500	103	90 - 110	P	12/19/2024	16:16	LB134024
	Zinc	4790	5000	96	90 - 110	P	12/19/2024	16:16	LB134024
CCV02	Aluminum	51600	50000	103	90 - 110	P	12/19/2024	17:01	LB134024
	Antimony	512	500	102	90 - 110	P	12/19/2024	17:01	LB134024
	Arsenic	502	500	100	90 - 110	P	12/19/2024	17:01	LB134024
	Barium	2580	2500	103	90 - 110	P	12/19/2024	17:01	LB134024
	Beryllium	490	500	98	90 - 110	P	12/19/2024	17:01	LB134024
	Cadmium	493	500	99	90 - 110	P	12/19/2024	17:01	LB134024
	Calcium	258000	250000	103	90 - 110	P	12/19/2024	17:01	LB134024
	Chromium	511	500	102	90 - 110	P	12/19/2024	17:01	LB134024
	Cobalt	499	500	100	90 - 110	P	12/19/2024	17:01	LB134024
	Copper	4820	5000	96	90 - 110	P	12/19/2024	17:01	LB134024
	Iron	131000	125000	105	90 - 110	P	12/19/2024	17:01	LB134024
	Lead	2590	2500	103	90 - 110	P	12/19/2024	17:01	LB134024

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	258000	250000	103	90 - 110	P	12/19/2024	17:01	LB134024
	Manganese	5010	5000	100	90 - 110	P	12/19/2024	17:01	LB134024
	Nickel	476	500	95	90 - 110	P	12/19/2024	17:01	LB134024
	Potassium	127000	125000	102	90 - 110	P	12/19/2024	17:01	LB134024
	Selenium	491	500	98	90 - 110	P	12/19/2024	17:01	LB134024
	Silver	501	500	100	90 - 110	P	12/19/2024	17:01	LB134024
	Sodium	256000	250000	102	90 - 110	P	12/19/2024	17:01	LB134024
	Thallium	523	500	104	90 - 110	P	12/19/2024	17:01	LB134024
	Vanadium	514	500	103	90 - 110	P	12/19/2024	17:01	LB134024
	Zinc	4750	5000	95	90 - 110	P	12/19/2024	17:01	LB134024
CCV03	Aluminum	51700	50000	103	90 - 110	P	12/19/2024	17:20	LB134024
	Antimony	496	500	99	90 - 110	P	12/19/2024	17:20	LB134024
	Arsenic	498	500	100	90 - 110	P	12/19/2024	17:20	LB134024
	Barium	2510	2500	100	90 - 110	P	12/19/2024	17:20	LB134024
	Beryllium	486	500	97	90 - 110	P	12/19/2024	17:20	LB134024
	Cadmium	475	500	95	90 - 110	P	12/19/2024	17:20	LB134024
	Calcium	249000	250000	100	90 - 110	P	12/19/2024	17:20	LB134024
	Chromium	507	500	101	90 - 110	P	12/19/2024	17:20	LB134024
	Cobalt	498	500	100	90 - 110	P	12/19/2024	17:20	LB134024
	Copper	4820	5000	96	90 - 110	P	12/19/2024	17:20	LB134024
	Iron	130000	125000	104	90 - 110	P	12/19/2024	17:20	LB134024
	Lead	2560	2500	102	90 - 110	P	12/19/2024	17:20	LB134024
	Magnesium	259000	250000	103	90 - 110	P	12/19/2024	17:20	LB134024
	Manganese	5010	5000	100	90 - 110	P	12/19/2024	17:20	LB134024
	Nickel	474	500	95	90 - 110	P	12/19/2024	17:20	LB134024
	Potassium	126000	125000	101	90 - 110	P	12/19/2024	17:20	LB134024
	Selenium	479	500	96	90 - 110	P	12/19/2024	17:20	LB134024
	Silver	491	500	98	90 - 110	P	12/19/2024	17:20	LB134024
	Sodium	256000	250000	102	90 - 110	P	12/19/2024	17:20	LB134024
	Thallium	521	500	104	90 - 110	P	12/19/2024	17:20	LB134024
	Vanadium	512	500	102	90 - 110	P	12/19/2024	17:20	LB134024
	Zinc	4810	5000	96	90 - 110	P	12/19/2024	17:20	LB134024