

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Weston Solutions, Inc.

SDG No.: Q3177

Contract: ROYF02

Lab Code: ACE

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
ICV47	Mercury	3.86	4.0	96	90 - 110	CV	09/25/2025	14:52	LB137307

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SDG No.: Q3177

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Lab Code: ACE

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
CCV42	Mercury	5.03	5.0	101	90 - 110	CV	09/25/2025	14:58	LB137307
CCV43	Mercury	4.89	5.0	98	90 - 110	CV	09/25/2025	15:31	LB137307
CCV44	Mercury	4.77	5.0	96	90 - 110	CV	09/25/2025	15:59	LB137307
CCV45	Mercury	4.87	5.0	98	90 - 110	CV	09/25/2025	16:21	LB137307

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Client: Weston Solutions, Inc.

SDG No.: Q3177

Contract: ROYF02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7660	8000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Antimony	3870	4000	97	90 - 110	P	09/29/2025	12:55	LB137351
	Arsenic	3770	4000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Barium	7740	8000	97	90 - 110	P	09/29/2025	12:55	LB137351
	Beryllium	188	200	94	90 - 110	P	09/29/2025	12:55	LB137351
	Cadmium	1890	2000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Calcium	19100	20000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Chromium	768	800	96	90 - 110	P	09/29/2025	12:55	LB137351
	Cobalt	1890	2000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Copper	961	1000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Iron	3860	4000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Lead	3690	4000	92	90 - 110	P	09/29/2025	12:55	LB137351
	Magnesium	19100	20000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Manganese	1930	2000	96	90 - 110	P	09/29/2025	12:55	LB137351
	Nickel	1890	2000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Potassium	19000	20000	95	90 - 110	P	09/29/2025	12:55	LB137351
	Selenium	3750	4000	94	90 - 110	P	09/29/2025	12:55	LB137351
	Silver	970	1000	97	90 - 110	P	09/29/2025	12:55	LB137351
	Sodium	19000	20000	95	90 - 110	P	09/29/2025	12:55	LB137351
	Thallium	3710	4000	93	90 - 110	P	09/29/2025	12:55	LB137351
	Vanadium	1910	2000	95	90 - 110	P	09/29/2025	12:55	LB137351
	Zinc	1900	2000	95	90 - 110	P	09/29/2025	12:55	LB137351

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	111	100	111	80 - 120	P	09/29/2025	12:59	LB137351
	Antimony	52.7	50.0	105	80 - 120	P	09/29/2025	12:59	LB137351
	Arsenic	21.6	20.0	108	80 - 120	P	09/29/2025	12:59	LB137351
	Barium	102	100	102	80 - 120	P	09/29/2025	12:59	LB137351
	Beryllium	6.37	6.0	106	80 - 120	P	09/29/2025	12:59	LB137351
	Cadmium	6.29	6.0	105	80 - 120	P	09/29/2025	12:59	LB137351
	Calcium	2090	2000	105	80 - 120	P	09/29/2025	12:59	LB137351
	Chromium	10.3	10.0	103	80 - 120	P	09/29/2025	12:59	LB137351
	Cobalt	30.6	30.0	102	80 - 120	P	09/29/2025	12:59	LB137351
	Copper	21.5	20.0	107	80 - 120	P	09/29/2025	12:59	LB137351
	Iron	104	100	104	80 - 120	P	09/29/2025	12:59	LB137351
	Lead	13.4	12.0	112	80 - 120	P	09/29/2025	12:59	LB137351
	Magnesium	2160	2000	108	80 - 120	P	09/29/2025	12:59	LB137351
	Manganese	21.5	20.0	108	80 - 120	P	09/29/2025	12:59	LB137351
	Nickel	41.9	40.0	105	80 - 120	P	09/29/2025	12:59	LB137351
	Potassium	2000	2000	100	80 - 120	P	09/29/2025	12:59	LB137351
	Selenium	22.5	20.0	113	80 - 120	P	09/29/2025	12:59	LB137351
	Silver	10.1	10.0	101	80 - 120	P	09/29/2025	12:59	LB137351
	Sodium	2080	2000	104	80 - 120	P	09/29/2025	12:59	LB137351
	Thallium	42.7	40.0	107	80 - 120	P	09/29/2025	12:59	LB137351
	Vanadium	37.9	40.0	95	80 - 120	P	09/29/2025	12:59	LB137351
	Zinc	43.4	40.0	109	80 - 120	P	09/29/2025	12:59	LB137351

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SDG No.: Q3177

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Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9800	10000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Antimony	5010	5000	100	90 - 110	P	09/29/2025	13:42	LB137351
	Arsenic	5040	5000	101	90 - 110	P	09/29/2025	13:42	LB137351
	Barium	9840	10000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Beryllium	229	250	92	90 - 110	P	09/29/2025	13:42	LB137351
	Cadmium	2480	2500	99	90 - 110	P	09/29/2025	13:42	LB137351
	Calcium	24500	25000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Chromium	994	1000	99	90 - 110	P	09/29/2025	13:42	LB137351
	Cobalt	2450	2500	98	90 - 110	P	09/29/2025	13:42	LB137351
	Copper	1240	1250	99	90 - 110	P	09/29/2025	13:42	LB137351
	Iron	5180	5000	104	90 - 110	P	09/29/2025	13:42	LB137351
	Lead	4900	5000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Magnesium	24500	25000	98	90 - 110	P	09/29/2025	13:42	LB137351
	Manganese	2430	2500	97	90 - 110	P	09/29/2025	13:42	LB137351
	Nickel	2460	2500	98	90 - 110	P	09/29/2025	13:42	LB137351
	Potassium	25700	25000	103	90 - 110	P	09/29/2025	13:42	LB137351
	Selenium	5120	5000	102	90 - 110	P	09/29/2025	13:42	LB137351
	Silver	1230	1250	99	90 - 110	P	09/29/2025	13:42	LB137351
	Sodium	25700	25000	103	90 - 110	P	09/29/2025	13:42	LB137351
	Thallium	4710	5000	94	90 - 110	P	09/29/2025	13:42	LB137351
	Vanadium	2440	2500	98	90 - 110	P	09/29/2025	13:42	LB137351
	Zinc	2480	2500	99	90 - 110	P	09/29/2025	13:42	LB137351
CCV02	Aluminum	9740	10000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Antimony	4960	5000	99	90 - 110	P	09/29/2025	14:51	LB137351
	Arsenic	4970	5000	99	90 - 110	P	09/29/2025	14:51	LB137351
	Barium	9680	10000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Beryllium	236	250	94	90 - 110	P	09/29/2025	14:51	LB137351
	Cadmium	2440	2500	98	90 - 110	P	09/29/2025	14:51	LB137351
	Calcium	24300	25000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Chromium	984	1000	98	90 - 110	P	09/29/2025	14:51	LB137351
	Cobalt	2420	2500	97	90 - 110	P	09/29/2025	14:51	LB137351
	Copper	1220	1250	98	90 - 110	P	09/29/2025	14:51	LB137351
	Iron	4940	5000	99	90 - 110	P	09/29/2025	14:51	LB137351
	Lead	4840	5000	97	90 - 110	P	09/29/2025	14:51	LB137351

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SDG No.: Q3177

Contract: ROYF02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24300	25000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Manganese	2410	2500	96	90 - 110	P	09/29/2025	14:51	LB137351
	Nickel	2430	2500	97	90 - 110	P	09/29/2025	14:51	LB137351
	Potassium	24900	25000	100	90 - 110	P	09/29/2025	14:51	LB137351
	Selenium	5050	5000	101	90 - 110	P	09/29/2025	14:51	LB137351
	Silver	1220	1250	97	90 - 110	P	09/29/2025	14:51	LB137351
	Sodium	24300	25000	97	90 - 110	P	09/29/2025	14:51	LB137351
	Thallium	4620	5000	92	90 - 110	P	09/29/2025	14:51	LB137351
	Vanadium	2430	2500	97	90 - 110	P	09/29/2025	14:51	LB137351
	Zinc	2410	2500	97	90 - 110	P	09/29/2025	14:51	LB137351
CCV03	Aluminum	9740	10000	97	90 - 110	P	09/29/2025	15:53	LB137351
	Antimony	4970	5000	100	90 - 110	P	09/29/2025	15:53	LB137351
	Arsenic	4960	5000	99	90 - 110	P	09/29/2025	15:53	LB137351
	Barium	9450	10000	94	90 - 110	P	09/29/2025	15:53	LB137351
	Beryllium	235	250	94	90 - 110	P	09/29/2025	15:53	LB137351
	Cadmium	2440	2500	98	90 - 110	P	09/29/2025	15:53	LB137351
	Calcium	24100	25000	96	90 - 110	P	09/29/2025	15:53	LB137351
	Chromium	982	1000	98	90 - 110	P	09/29/2025	15:53	LB137351
	Cobalt	2420	2500	97	90 - 110	P	09/29/2025	15:53	LB137351
	Copper	1230	1250	98	90 - 110	P	09/29/2025	15:53	LB137351
	Iron	4890	5000	98	90 - 110	P	09/29/2025	15:53	LB137351
	Lead	4830	5000	97	90 - 110	P	09/29/2025	15:53	LB137351
	Magnesium	24200	25000	97	90 - 110	P	09/29/2025	15:53	LB137351
	Manganese	2370	2500	95	90 - 110	P	09/29/2025	15:53	LB137351
	Nickel	2430	2500	97	90 - 110	P	09/29/2025	15:53	LB137351
	Potassium	24000	25000	96	90 - 110	P	09/29/2025	15:53	LB137351
	Selenium	5030	5000	101	90 - 110	P	09/29/2025	15:53	LB137351
	Silver	1210	1250	97	90 - 110	P	09/29/2025	15:53	LB137351
	Sodium	24100	25000	96	90 - 110	P	09/29/2025	15:53	LB137351
	Thallium	4560	5000	91	90 - 110	P	09/29/2025	15:53	LB137351
	Vanadium	2420	2500	97	90 - 110	P	09/29/2025	15:53	LB137351
	Zinc	2420	2500	97	90 - 110	P	09/29/2025	15:53	LB137351
CCV04	Aluminum	9700	10000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Antimony	4890	5000	98	90 - 110	P	09/29/2025	16:44	LB137351

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Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4870	5000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Barium	9520	10000	95	90 - 110	P	09/29/2025	16:44	LB137351
	Beryllium	231	250	92	90 - 110	P	09/29/2025	16:44	LB137351
	Cadmium	2410	2500	96	90 - 110	P	09/29/2025	16:44	LB137351
	Calcium	24000	25000	96	90 - 110	P	09/29/2025	16:44	LB137351
	Chromium	969	1000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Cobalt	2390	2500	96	90 - 110	P	09/29/2025	16:44	LB137351
	Copper	1210	1250	96	90 - 110	P	09/29/2025	16:44	LB137351
	Iron	4820	5000	96	90 - 110	P	09/29/2025	16:44	LB137351
	Lead	4780	5000	96	90 - 110	P	09/29/2025	16:44	LB137351
	Magnesium	24200	25000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Manganese	2380	2500	95	90 - 110	P	09/29/2025	16:44	LB137351
	Nickel	2390	2500	96	90 - 110	P	09/29/2025	16:44	LB137351
	Potassium	25100	25000	100	90 - 110	P	09/29/2025	16:44	LB137351
	Selenium	4930	5000	99	90 - 110	P	09/29/2025	16:44	LB137351
	Silver	1190	1250	95	90 - 110	P	09/29/2025	16:44	LB137351
	Sodium	24300	25000	97	90 - 110	P	09/29/2025	16:44	LB137351
	Thallium	4750	5000	95	90 - 110	P	09/29/2025	16:44	LB137351
	Vanadium	2410	2500	96	90 - 110	P	09/29/2025	16:44	LB137351
	Zinc	2380	2500	95	90 - 110	P	09/29/2025	16:44	LB137351
CCV05	Aluminum	9620	10000	96	90 - 110	P	09/29/2025	17:36	LB137351
	Antimony	4920	5000	98	90 - 110	P	09/29/2025	17:36	LB137351
	Arsenic	4910	5000	98	90 - 110	P	09/29/2025	17:36	LB137351
	Barium	9290	10000	93	90 - 110	P	09/29/2025	17:36	LB137351
	Beryllium	236	250	94	90 - 110	P	09/29/2025	17:36	LB137351
	Cadmium	2410	2500	97	90 - 110	P	09/29/2025	17:36	LB137351
	Calcium	23800	25000	95	90 - 110	P	09/29/2025	17:36	LB137351
	Chromium	988	1000	99	90 - 110	P	09/29/2025	17:36	LB137351
	Cobalt	2400	2500	96	90 - 110	P	09/29/2025	17:36	LB137351
	Copper	1210	1250	97	90 - 110	P	09/29/2025	17:36	LB137351
	Iron	4920	5000	98	90 - 110	P	09/29/2025	17:36	LB137351
	Lead	4790	5000	96	90 - 110	P	09/29/2025	17:36	LB137351
	Magnesium	23900	25000	96	90 - 110	P	09/29/2025	17:36	LB137351
	Manganese	2360	2500	94	90 - 110	P	09/29/2025	17:36	LB137351

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SDG No.: Q3177

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2400	2500	96	90 - 110	P	09/29/2025	17:36	LB137351
	Potassium	26200	25000	105	90 - 110	P	09/29/2025	17:36	LB137351
	Selenium	4980	5000	100	90 - 110	P	09/29/2025	17:36	LB137351
	Silver	1230	1250	98	90 - 110	P	09/29/2025	17:36	LB137351
	Sodium	25100	25000	100	90 - 110	P	09/29/2025	17:36	LB137351
	Thallium	4690	5000	94	90 - 110	P	09/29/2025	17:36	LB137351
	Vanadium	2400	2500	96	90 - 110	P	09/29/2025	17:36	LB137351
	Zinc	2440	2500	98	90 - 110	P	09/29/2025	17:36	LB137351
CCV06	Aluminum	9720	10000	97	90 - 110	P	09/29/2025	18:27	LB137351
	Antimony	4780	5000	96	90 - 110	P	09/29/2025	18:27	LB137351
	Arsenic	4720	5000	94	90 - 110	P	09/29/2025	18:27	LB137351
	Barium	9590	10000	96	90 - 110	P	09/29/2025	18:27	LB137351
	Beryllium	236	250	94	90 - 110	P	09/29/2025	18:27	LB137351
	Cadmium	2370	2500	95	90 - 110	P	09/29/2025	18:27	LB137351
	Calcium	24200	25000	97	90 - 110	P	09/29/2025	18:27	LB137351
	Chromium	954	1000	95	90 - 110	P	09/29/2025	18:27	LB137351
	Cobalt	2380	2500	95	90 - 110	P	09/29/2025	18:27	LB137351
	Copper	1190	1250	95	90 - 110	P	09/29/2025	18:27	LB137351
	Iron	4610	5000	92	90 - 110	P	09/29/2025	18:27	LB137351
	Lead	4720	5000	94	90 - 110	P	09/29/2025	18:27	LB137351
	Magnesium	24200	25000	97	90 - 110	P	09/29/2025	18:27	LB137351
	Manganese	2430	2500	97	90 - 110	P	09/29/2025	18:27	LB137351
	Nickel	2360	2500	94	90 - 110	P	09/29/2025	18:27	LB137351
	Potassium	23700	25000	95	90 - 110	P	09/29/2025	18:27	LB137351
	Selenium	4750	5000	95	90 - 110	P	09/29/2025	18:27	LB137351
	Silver	1160	1250	93	90 - 110	P	09/29/2025	18:27	LB137351
	Sodium	22600	25000	90	90 - 110	P	09/29/2025	18:27	LB137351
	Thallium	4700	5000	94	90 - 110	P	09/29/2025	18:27	LB137351
	Vanadium	2430	2500	97	90 - 110	P	09/29/2025	18:27	LB137351
	Zinc	2340	2500	94	90 - 110	P	09/29/2025	18:27	LB137351
CCV07	Aluminum	9620	10000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Antimony	4870	5000	97	90 - 110	P	09/29/2025	19:00	LB137351
	Arsenic	4820	5000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Barium	9370	10000	94	90 - 110	P	09/29/2025	19:00	LB137351

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SDG No.: Q3177

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Lab Code: ACE

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	232	250	93	90 - 110	P	09/29/2025	19:00	LB137351
	Cadmium	2390	2500	96	90 - 110	P	09/29/2025	19:00	LB137351
	Calcium	23900	25000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Chromium	963	1000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Cobalt	2390	2500	96	90 - 110	P	09/29/2025	19:00	LB137351
	Copper	1210	1250	96	90 - 110	P	09/29/2025	19:00	LB137351
	Iron	4780	5000	96	90 - 110	P	09/29/2025	19:00	LB137351
	Lead	4730	5000	95	90 - 110	P	09/29/2025	19:00	LB137351
	Magnesium	23800	25000	95	90 - 110	P	09/29/2025	19:00	LB137351
	Manganese	2380	2500	95	90 - 110	P	09/29/2025	19:00	LB137351
	Nickel	2390	2500	96	90 - 110	P	09/29/2025	19:00	LB137351
	Potassium	23800	25000	95	90 - 110	P	09/29/2025	19:00	LB137351
	Selenium	4870	5000	97	90 - 110	P	09/29/2025	19:00	LB137351
	Silver	1190	1250	96	90 - 110	P	09/29/2025	19:00	LB137351
	Sodium	23300	25000	93	90 - 110	P	09/29/2025	19:00	LB137351
	Thallium	4540	5000	91	90 - 110	P	09/29/2025	19:00	LB137351
	Vanadium	2400	2500	96	90 - 110	P	09/29/2025	19:00	LB137351
	Zinc	2400	2500	96	90 - 110	P	09/29/2025	19:00	LB137351