

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010
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
ICV07	Mercury	4.11	4.0	103	90 - 110	CV	05/13/2025	11:07	LB135751

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Client: CDM Smith **SDG No.:** Q2010
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010
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
CCV17	Mercury	4.95	5.0	99	90 - 110	CV	05/13/2025	11:12	LB135751
CCV18	Mercury	4.92	5.0	98	90 - 110	CV	05/13/2025	11:44	LB135751
CCV19	Mercury	5.00	5.0	100	90 - 110	CV	05/13/2025	12:16	LB135751
CCV20	Mercury	5.19	5.0	104	90 - 110	CV	05/13/2025	12:44	LB135751
CCV21	Mercury	4.98	5.0	100	90 - 110	CV	05/13/2025	13:17	LB135751

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2010
Contract: CAMP02 Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010
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	2430	2500	97	90 - 110	P	05/16/2025	12:48	LB135802
	Antimony	1030	1000	103	90 - 110	P	05/16/2025	12:48	LB135802
	Arsenic	1010	1000	101	90 - 110	P	05/16/2025	12:48	LB135802
	Barium	472	520	91	90 - 110	P	05/16/2025	12:48	LB135802
	Beryllium	488	510	96	90 - 110	P	05/16/2025	12:48	LB135802
	Cadmium	509	510	100	90 - 110	P	05/16/2025	12:48	LB135802
	Calcium	9510	10000	95	90 - 110	P	05/16/2025	12:48	LB135802
	Chromium	507	520	98	90 - 110	P	05/16/2025	12:48	LB135802
	Cobalt	500	520	96	90 - 110	P	05/16/2025	12:48	LB135802
	Copper	514	510	101	90 - 110	P	05/16/2025	12:48	LB135802
	Iron	9400	10000	94	90 - 110	P	05/16/2025	12:48	LB135802
	Lead	993	1000	99	90 - 110	P	05/16/2025	12:48	LB135802
	Magnesium	5580	6000	93	90 - 110	P	05/16/2025	12:48	LB135802
	Manganese	492	520	95	90 - 110	P	05/16/2025	12:48	LB135802
	Nickel	504	530	95	90 - 110	P	05/16/2025	12:48	LB135802
	Potassium	9190	9900	93	90 - 110	P	05/16/2025	12:48	LB135802
	Selenium	1020	1000	102	90 - 110	P	05/16/2025	12:48	LB135802
	Silver	226	250	90	90 - 110	P	05/16/2025	12:48	LB135802
	Sodium	9640	10000	96	90 - 110	P	05/16/2025	12:48	LB135802
	Thallium	1010	1000	101	90 - 110	P	05/16/2025	12:48	LB135802
	Vanadium	483	500	97	90 - 110	P	05/16/2025	12:48	LB135802
	Zinc	999	1000	100	90 - 110	P	05/16/2025	12:48	LB135802

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2010
Contract: CAMP02 Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010
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
LLICV01	Aluminum	102	100	102	80 - 120	P	05/16/2025	13:00	LB135802
	Antimony	53.5	50.0	107	80 - 120	P	05/16/2025	13:00	LB135802
	Arsenic	21.5	20.0	107	80 - 120	P	05/16/2025	13:00	LB135802
	Barium	92.9	100	93	80 - 120	P	05/16/2025	13:00	LB135802
	Beryllium	5.54	6.0	92	80 - 120	P	05/16/2025	13:00	LB135802
	Cadmium	6.19	6.0	103	80 - 120	P	05/16/2025	13:00	LB135802
	Calcium	1970	2000	99	80 - 120	P	05/16/2025	13:00	LB135802
	Chromium	9.88	10.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Cobalt	29.7	30.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Copper	21.9	20.0	110	80 - 120	P	05/16/2025	13:00	LB135802
	Iron	104	100	104	80 - 120	P	05/16/2025	13:00	LB135802
	Lead	13.2	12.0	110	80 - 120	P	05/16/2025	13:00	LB135802
	Magnesium	2050	2000	103	80 - 120	P	05/16/2025	13:00	LB135802
	Manganese	19.8	20.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Nickel	40.2	40.0	100	80 - 120	P	05/16/2025	13:00	LB135802
	Potassium	1940	2000	97	80 - 120	P	05/16/2025	13:00	LB135802
	Selenium	22.0	20.0	110	80 - 120	P	05/16/2025	13:00	LB135802
	Silver	9.86	10.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Sodium	1670	2000	83	80 - 120	P	05/16/2025	13:00	LB135802
	Thallium	39.9	40.0	100	80 - 120	P	05/16/2025	13:00	LB135802
	Vanadium	39.6	40.0	99	80 - 120	P	05/16/2025	13:00	LB135802
	Zinc	42.2	40.0	105	80 - 120	P	05/16/2025	13:00	LB135802

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Client: CDM Smith SDG No.: Q2010
Contract: CAMP02 Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010
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	9980	10000	100	90 - 110	P	05/16/2025	13:35	LB135802
	Antimony	5060	5000	101	90 - 110	P	05/16/2025	13:35	LB135802
	Arsenic	5000	5000	100	90 - 110	P	05/16/2025	13:35	LB135802
	Barium	9710	10000	97	90 - 110	P	05/16/2025	13:35	LB135802
	Beryllium	261	250	104	90 - 110	P	05/16/2025	13:35	LB135802
	Cadmium	2500	2500	100	90 - 110	P	05/16/2025	13:35	LB135802
	Calcium	24800	25000	99	90 - 110	P	05/16/2025	13:35	LB135802
	Chromium	1010	1000	101	90 - 110	P	05/16/2025	13:35	LB135802
	Cobalt	2520	2500	101	90 - 110	P	05/16/2025	13:35	LB135802
	Copper	1270	1250	102	90 - 110	P	05/16/2025	13:35	LB135802
	Iron	4680	5000	94	90 - 110	P	05/16/2025	13:35	LB135802
	Lead	5030	5000	101	90 - 110	P	05/16/2025	13:35	LB135802
	Magnesium	25000	25000	100	90 - 110	P	05/16/2025	13:35	LB135802
	Manganese	2480	2500	99	90 - 110	P	05/16/2025	13:35	LB135802
	Nickel	2510	2500	100	90 - 110	P	05/16/2025	13:35	LB135802
	Potassium	23400	25000	94	90 - 110	P	05/16/2025	13:35	LB135802
	Selenium	5050	5000	101	90 - 110	P	05/16/2025	13:35	LB135802
	Silver	1250	1250	100	90 - 110	P	05/16/2025	13:35	LB135802
	Sodium	23100	25000	92	90 - 110	P	05/16/2025	13:35	LB135802
	Thallium	5100	5000	102	90 - 110	P	05/16/2025	13:35	LB135802
	Vanadium	2490	2500	100	90 - 110	P	05/16/2025	13:35	LB135802
	Zinc	2520	2500	101	90 - 110	P	05/16/2025	13:35	LB135802
CCV02	Aluminum	9780	10000	98	90 - 110	P	05/16/2025	14:36	LB135802
	Antimony	4980	5000	100	90 - 110	P	05/16/2025	14:36	LB135802
	Arsenic	4920	5000	98	90 - 110	P	05/16/2025	14:36	LB135802
	Barium	9530	10000	95	90 - 110	P	05/16/2025	14:36	LB135802
	Beryllium	250	250	100	90 - 110	P	05/16/2025	14:36	LB135802
	Cadmium	2450	2500	98	90 - 110	P	05/16/2025	14:36	LB135802
	Calcium	24100	25000	96	90 - 110	P	05/16/2025	14:36	LB135802
	Chromium	996	1000	100	90 - 110	P	05/16/2025	14:36	LB135802
	Cobalt	2460	2500	98	90 - 110	P	05/16/2025	14:36	LB135802
	Copper	1250	1250	100	90 - 110	P	05/16/2025	14:36	LB135802
	Iron	4790	5000	96	90 - 110	P	05/16/2025	14:36	LB135802
	Lead	4920	5000	98	90 - 110	P	05/16/2025	14:36	LB135802

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Client: CDM Smith **SDG No.:** Q2010
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010
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	05/16/2025	14:36	LB135802
	Manganese	2400	2500	96	90 - 110	P	05/16/2025	14:36	LB135802
	Nickel	2460	2500	98	90 - 110	P	05/16/2025	14:36	LB135802
	Potassium	24000	25000	96	90 - 110	P	05/16/2025	14:36	LB135802
	Selenium	4990	5000	100	90 - 110	P	05/16/2025	14:36	LB135802
	Silver	1240	1250	100	90 - 110	P	05/16/2025	14:36	LB135802
	Sodium	23600	25000	95	90 - 110	P	05/16/2025	14:36	LB135802
	Thallium	5070	5000	101	90 - 110	P	05/16/2025	14:36	LB135802
	Vanadium	2430	2500	97	90 - 110	P	05/16/2025	14:36	LB135802
	Zinc	2520	2500	101	90 - 110	P	05/16/2025	14:36	LB135802
CCV03	Aluminum	9580	10000	96	90 - 110	P	05/16/2025	15:22	LB135802
	Antimony	4980	5000	100	90 - 110	P	05/16/2025	15:22	LB135802
	Arsenic	4960	5000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Barium	9500	10000	95	90 - 110	P	05/16/2025	15:22	LB135802
	Beryllium	238	250	95	90 - 110	P	05/16/2025	15:22	LB135802
	Cadmium	2470	2500	99	90 - 110	P	05/16/2025	15:22	LB135802
	Calcium	23900	25000	96	90 - 110	P	05/16/2025	15:22	LB135802
	Chromium	992	1000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Cobalt	2470	2500	99	90 - 110	P	05/16/2025	15:22	LB135802
	Copper	1250	1250	100	90 - 110	P	05/16/2025	15:22	LB135802
	Iron	4970	5000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Lead	4940	5000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Magnesium	23800	25000	95	90 - 110	P	05/16/2025	15:22	LB135802
	Manganese	2390	2500	96	90 - 110	P	05/16/2025	15:22	LB135802
	Nickel	2470	2500	99	90 - 110	P	05/16/2025	15:22	LB135802
	Potassium	24900	25000	100	90 - 110	P	05/16/2025	15:22	LB135802
	Selenium	5040	5000	101	90 - 110	P	05/16/2025	15:22	LB135802
	Silver	1230	1250	99	90 - 110	P	05/16/2025	15:22	LB135802
	Sodium	24700	25000	99	90 - 110	P	05/16/2025	15:22	LB135802
	Thallium	5090	5000	102	90 - 110	P	05/16/2025	15:22	LB135802
	Vanadium	2410	2500	96	90 - 110	P	05/16/2025	15:22	LB135802
	Zinc	2480	2500	99	90 - 110	P	05/16/2025	15:22	LB135802
CCV04	Aluminum	9640	10000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Antimony	4920	5000	98	90 - 110	P	05/16/2025	16:08	LB135802

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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	05/16/2025	16:08	LB135802
	Barium	9500	10000	95	90 - 110	P	05/16/2025	16:08	LB135802
	Beryllium	238	250	95	90 - 110	P	05/16/2025	16:08	LB135802
	Cadmium	2430	2500	97	90 - 110	P	05/16/2025	16:08	LB135802
	Calcium	23900	25000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Chromium	982	1000	98	90 - 110	P	05/16/2025	16:08	LB135802
	Cobalt	2440	2500	98	90 - 110	P	05/16/2025	16:08	LB135802
	Copper	1240	1250	99	90 - 110	P	05/16/2025	16:08	LB135802
	Iron	4810	5000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Lead	4890	5000	98	90 - 110	P	05/16/2025	16:08	LB135802
	Magnesium	24000	25000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Manganese	2380	2500	95	90 - 110	P	05/16/2025	16:08	LB135802
	Nickel	2440	2500	98	90 - 110	P	05/16/2025	16:08	LB135802
	Potassium	24000	25000	96	90 - 110	P	05/16/2025	16:08	LB135802
	Selenium	4940	5000	99	90 - 110	P	05/16/2025	16:08	LB135802
	Silver	1210	1250	97	90 - 110	P	05/16/2025	16:08	LB135802
	Sodium	23800	25000	95	90 - 110	P	05/16/2025	16:08	LB135802
	Thallium	5080	5000	102	90 - 110	P	05/16/2025	16:08	LB135802
	Vanadium	2410	2500	96	90 - 110	P	05/16/2025	16:08	LB135802
	Zinc	2440	2500	98	90 - 110	P	05/16/2025	16:08	LB135802
CCV05	Aluminum	9800	10000	98	90 - 110	P	05/16/2025	16:53	LB135802
	Antimony	4980	5000	100	90 - 110	P	05/16/2025	16:53	LB135802
	Arsenic	4930	5000	99	90 - 110	P	05/16/2025	16:53	LB135802
	Barium	9440	10000	94	90 - 110	P	05/16/2025	16:53	LB135802
	Beryllium	256	250	102	90 - 110	P	05/16/2025	16:53	LB135802
	Cadmium	2460	2500	98	90 - 110	P	05/16/2025	16:53	LB135802
	Calcium	24200	25000	97	90 - 110	P	05/16/2025	16:53	LB135802
	Chromium	992	1000	99	90 - 110	P	05/16/2025	16:53	LB135802
	Cobalt	2470	2500	99	90 - 110	P	05/16/2025	16:53	LB135802
	Copper	1250	1250	100	90 - 110	P	05/16/2025	16:53	LB135802
	Iron	4680	5000	94	90 - 110	P	05/16/2025	16:53	LB135802
	Lead	4930	5000	99	90 - 110	P	05/16/2025	16:53	LB135802
	Magnesium	24400	25000	98	90 - 110	P	05/16/2025	16:53	LB135802
	Manganese	2420	2500	97	90 - 110	P	05/16/2025	16:53	LB135802

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2010
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2010 **SAS No.:** Q2010
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
CCV05	Nickel	2460	2500	98	90 - 110	P	05/16/2025	16:53	LB135802
	Potassium	23500	25000	94	90 - 110	P	05/16/2025	16:53	LB135802
	Selenium	5000	5000	100	90 - 110	P	05/16/2025	16:53	LB135802
	Silver	1240	1250	99	90 - 110	P	05/16/2025	16:53	LB135802
	Sodium	23200	25000	93	90 - 110	P	05/16/2025	16:53	LB135802
	Thallium	5090	5000	102	90 - 110	P	05/16/2025	16:53	LB135802
	Vanadium	2440	2500	98	90 - 110	P	05/16/2025	16:53	LB135802
	Zinc	2500	2500	100	90 - 110	P	05/16/2025	16:53	LB135802
CCV06	Aluminum	9630	10000	96	90 - 110	P	05/16/2025	17:28	LB135802
	Antimony	4890	5000	98	90 - 110	P	05/16/2025	17:28	LB135802
	Arsenic	4890	5000	98	90 - 110	P	05/16/2025	17:28	LB135802
	Barium	9380	10000	94	90 - 110	P	05/16/2025	17:28	LB135802
	Beryllium	248	250	99	90 - 110	P	05/16/2025	17:28	LB135802
	Cadmium	2460	2500	98	90 - 110	P	05/16/2025	17:28	LB135802
	Calcium	23800	25000	95	90 - 110	P	05/16/2025	17:28	LB135802
	Chromium	987	1000	99	90 - 110	P	05/16/2025	17:28	LB135802
	Cobalt	2440	2500	98	90 - 110	P	05/16/2025	17:28	LB135802
	Copper	1230	1250	98	90 - 110	P	05/16/2025	17:28	LB135802
	Iron	4770	5000	95	90 - 110	P	05/16/2025	17:28	LB135802
	Lead	4920	5000	98	90 - 110	P	05/16/2025	17:28	LB135802
	Magnesium	24000	25000	96	90 - 110	P	05/16/2025	17:28	LB135802
	Manganese	2370	2500	95	90 - 110	P	05/16/2025	17:28	LB135802
	Nickel	2440	2500	98	90 - 110	P	05/16/2025	17:28	LB135802
	Potassium	23900	25000	96	90 - 110	P	05/16/2025	17:28	LB135802
	Selenium	4960	5000	99	90 - 110	P	05/16/2025	17:28	LB135802
	Silver	1230	1250	99	90 - 110	P	05/16/2025	17:28	LB135802
	Sodium	23600	25000	94	90 - 110	P	05/16/2025	17:28	LB135802
	Thallium	4990	5000	100	90 - 110	P	05/16/2025	17:28	LB135802
	Vanadium	2400	2500	96	90 - 110	P	05/16/2025	17:28	LB135802
	Zinc	2490	2500	100	90 - 110	P	05/16/2025	17:28	LB135802