

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2100
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2100 **SAS No.:** Q2100
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
ICV16	Mercury	3.87	4.0	97	90 - 110	CV	05/23/2025	12:29	LB135901

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2100
Contract: CAMP02 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100
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
CCV60	Mercury	5.18	5.0	104	90 - 110	CV	05/23/2025	12:34	LB135901
CCV61	Mercury	4.96	5.0	99	90 - 110	CV	05/23/2025	13:01	LB135901
CCV62	Mercury	5.04	5.0	101	90 - 110	CV	05/23/2025	13:28	LB135901
CCV63	Mercury	4.97	5.0	100	90 - 110	CV	05/23/2025	13:56	LB135901
CCV64	Mercury	4.84	5.0	97	90 - 110	CV	05/23/2025	14:21	LB135901
CCV65	Mercury	4.90	5.0	98	90 - 110	CV	05/23/2025	14:37	LB135901

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2100
Contract: CAMP02 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100
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	2450	2500	98	90 - 110	P	05/30/2025	15:13	LB135969
	Antimony	1020	1000	102	90 - 110	P	05/30/2025	15:13	LB135969
	Arsenic	1030	1000	103	90 - 110	P	05/30/2025	15:13	LB135969
	Barium	490	520	94	90 - 110	P	05/30/2025	15:13	LB135969
	Beryllium	495	510	97	90 - 110	P	05/30/2025	15:13	LB135969
	Cadmium	518	510	102	90 - 110	P	05/30/2025	15:13	LB135969
	Calcium	9850	10000	98	90 - 110	P	05/30/2025	15:13	LB135969
	Chromium	539	520	104	90 - 110	P	05/30/2025	15:13	LB135969
	Cobalt	520	520	100	90 - 110	P	05/30/2025	15:13	LB135969
	Copper	535	510	105	90 - 110	P	05/30/2025	15:13	LB135969
	Iron	10500	10000	105	90 - 110	P	05/30/2025	15:13	LB135969
	Lead	1010	1000	101	90 - 110	P	05/30/2025	15:13	LB135969
	Magnesium	5760	6000	96	90 - 110	P	05/30/2025	15:13	LB135969
	Manganese	504	520	97	90 - 110	P	05/30/2025	15:13	LB135969
	Nickel	524	530	99	90 - 110	P	05/30/2025	15:13	LB135969
	Potassium	10100	9900	102	90 - 110	P	05/30/2025	15:13	LB135969
	Selenium	1080	1000	108	90 - 110	P	05/30/2025	15:13	LB135969
	Silver	259	250	104	90 - 110	P	05/30/2025	15:13	LB135969
	Sodium	9750	10000	98	90 - 110	P	05/30/2025	15:13	LB135969
	Thallium	1090	1000	109	90 - 110	P	05/30/2025	15:13	LB135969
	Vanadium	484	500	97	90 - 110	P	05/30/2025	15:13	LB135969
	Zinc	1000	1000	100	90 - 110	P	05/30/2025	15:13	LB135969

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2100
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2100 **SAS No.:** Q2100
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	98.2	100	98	80 - 120	P	05/30/2025	15:21	LB135969
	Antimony	50.0	50.0	100	80 - 120	P	05/30/2025	15:21	LB135969
	Arsenic	20.5	20.0	102	80 - 120	P	05/30/2025	15:21	LB135969
	Barium	91.3	100	91	80 - 120	P	05/30/2025	15:21	LB135969
	Beryllium	5.89	6.0	98	80 - 120	P	05/30/2025	15:21	LB135969
	Cadmium	6.08	6.0	101	80 - 120	P	05/30/2025	15:21	LB135969
	Calcium	1910	2000	95	80 - 120	P	05/30/2025	15:21	LB135969
	Chromium	10.2	10.0	102	80 - 120	P	05/30/2025	15:21	LB135969
	Cobalt	29.3	30.0	98	80 - 120	P	05/30/2025	15:21	LB135969
	Copper	21.5	20.0	107	80 - 120	P	05/30/2025	15:21	LB135969
	Iron	104	100	104	80 - 120	P	05/30/2025	15:21	LB135969
	Lead	11.3	12.0	94	80 - 120	P	05/30/2025	15:21	LB135969
	Magnesium	1920	2000	96	80 - 120	P	05/30/2025	15:21	LB135969
	Manganese	19.9	20.0	100	80 - 120	P	05/30/2025	15:21	LB135969
	Nickel	40.0	40.0	100	80 - 120	P	05/30/2025	15:21	LB135969
	Potassium	1920	2000	96	80 - 120	P	05/30/2025	15:21	LB135969
	Selenium	21.2	20.0	106	80 - 120	P	05/30/2025	15:21	LB135969
	Silver	10.1	10.0	101	80 - 120	P	05/30/2025	15:21	LB135969
	Sodium	1830	2000	92	80 - 120	P	05/30/2025	15:21	LB135969
	Thallium	33.2	40.0	83	80 - 120	P	05/30/2025	15:21	LB135969
	Vanadium	36.9	40.0	92	80 - 120	P	05/30/2025	15:21	LB135969
	Zinc	40.5	40.0	101	80 - 120	P	05/30/2025	15:21	LB135969

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2100
Contract: CAMP02 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100
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	9760	10000	98	90 - 110	P	05/30/2025	16:02	LB135969
	Antimony	5090	5000	102	90 - 110	P	05/30/2025	16:02	LB135969
	Arsenic	5110	5000	102	90 - 110	P	05/30/2025	16:02	LB135969
	Barium	9890	10000	99	90 - 110	P	05/30/2025	16:02	LB135969
	Beryllium	235	250	94	90 - 110	P	05/30/2025	16:02	LB135969
	Cadmium	2500	2500	100	90 - 110	P	05/30/2025	16:02	LB135969
	Calcium	24400	25000	98	90 - 110	P	05/30/2025	16:02	LB135969
	Chromium	1020	1000	102	90 - 110	P	05/30/2025	16:02	LB135969
	Cobalt	2500	2500	100	90 - 110	P	05/30/2025	16:02	LB135969
	Copper	1280	1250	102	90 - 110	P	05/30/2025	16:02	LB135969
	Iron	5420	5000	108	90 - 110	P	05/30/2025	16:02	LB135969
	Lead	5010	5000	100	90 - 110	P	05/30/2025	16:02	LB135969
	Magnesium	24100	25000	96	90 - 110	P	05/30/2025	16:02	LB135969
	Manganese	2430	2500	97	90 - 110	P	05/30/2025	16:02	LB135969
	Nickel	2510	2500	100	90 - 110	P	05/30/2025	16:02	LB135969
	Potassium	27000	25000	108	90 - 110	P	05/30/2025	16:02	LB135969
	Selenium	5160	5000	103	90 - 110	P	05/30/2025	16:02	LB135969
	Silver	1280	1250	102	90 - 110	P	05/30/2025	16:02	LB135969
	Sodium	26700	25000	107	90 - 110	P	05/30/2025	16:02	LB135969
	Thallium	5190	5000	104	90 - 110	P	05/30/2025	16:02	LB135969
	Vanadium	2460	2500	98	90 - 110	P	05/30/2025	16:02	LB135969
	Zinc	2680	2500	107	90 - 110	P	05/30/2025	16:02	LB135969
CCV02	Aluminum	10000	10000	100	90 - 110	P	05/30/2025	16:52	LB135969
	Antimony	5130	5000	103	90 - 110	P	05/30/2025	16:52	LB135969
	Arsenic	5140	5000	103	90 - 110	P	05/30/2025	16:52	LB135969
	Barium	9860	10000	99	90 - 110	P	05/30/2025	16:52	LB135969
	Beryllium	249	250	100	90 - 110	P	05/30/2025	16:52	LB135969
	Cadmium	2510	2500	100	90 - 110	P	05/30/2025	16:52	LB135969
	Calcium	24600	25000	99	90 - 110	P	05/30/2025	16:52	LB135969
	Chromium	1020	1000	102	90 - 110	P	05/30/2025	16:52	LB135969
	Cobalt	2510	2500	100	90 - 110	P	05/30/2025	16:52	LB135969
	Copper	1290	1250	103	90 - 110	P	05/30/2025	16:52	LB135969
	Iron	5250	5000	105	90 - 110	P	05/30/2025	16:52	LB135969
	Lead	5030	5000	101	90 - 110	P	05/30/2025	16:52	LB135969

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2100

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2100 **SAS No.:** Q2100

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	24500	25000	98	90 - 110	P	05/30/2025	16:52	LB135969
	Manganese	2450	2500	98	90 - 110	P	05/30/2025	16:52	LB135969
	Nickel	2510	2500	100	90 - 110	P	05/30/2025	16:52	LB135969
	Potassium	26400	25000	106	90 - 110	P	05/30/2025	16:52	LB135969
	Selenium	5210	5000	104	90 - 110	P	05/30/2025	16:52	LB135969
	Silver	1290	1250	103	90 - 110	P	05/30/2025	16:52	LB135969
	Sodium	26000	25000	104	90 - 110	P	05/30/2025	16:52	LB135969
	Thallium	5160	5000	103	90 - 110	P	05/30/2025	16:52	LB135969
	Vanadium	2490	2500	100	90 - 110	P	05/30/2025	16:52	LB135969
	Zinc	2610	2500	104	90 - 110	P	05/30/2025	16:52	LB135969
CCV03	Aluminum	10200	10000	102	90 - 110	P	05/30/2025	17:41	LB135969
	Antimony	5110	5000	102	90 - 110	P	05/30/2025	17:41	LB135969
	Arsenic	5080	5000	102	90 - 110	P	05/30/2025	17:41	LB135969
	Barium	9790	10000	98	90 - 110	P	05/30/2025	17:41	LB135969
	Beryllium	272	250	109	90 - 110	P	05/30/2025	17:41	LB135969
	Cadmium	2510	2500	100	90 - 110	P	05/30/2025	17:41	LB135969
	Calcium	25300	25000	101	90 - 110	P	05/30/2025	17:41	LB135969
	Chromium	1030	1000	103	90 - 110	P	05/30/2025	17:41	LB135969
	Cobalt	2510	2500	100	90 - 110	P	05/30/2025	17:41	LB135969
	Copper	1280	1250	102	90 - 110	P	05/30/2025	17:41	LB135969
	Iron	4910	5000	98	90 - 110	P	05/30/2025	17:41	LB135969
	Lead	5020	5000	100	90 - 110	P	05/30/2025	17:41	LB135969
	Magnesium	25600	25000	102	90 - 110	P	05/30/2025	17:41	LB135969
	Manganese	2510	2500	101	90 - 110	P	05/30/2025	17:41	LB135969
	Nickel	2510	2500	100	90 - 110	P	05/30/2025	17:41	LB135969
	Potassium	24200	25000	97	90 - 110	P	05/30/2025	17:41	LB135969
	Selenium	5130	5000	102	90 - 110	P	05/30/2025	17:41	LB135969
	Silver	1290	1250	103	90 - 110	P	05/30/2025	17:41	LB135969
	Sodium	24100	25000	96	90 - 110	P	05/30/2025	17:41	LB135969
	Thallium	4980	5000	100	90 - 110	P	05/30/2025	17:41	LB135969
	Vanadium	2530	2500	101	90 - 110	P	05/30/2025	17:41	LB135969
	Zinc	2510	2500	100	90 - 110	P	05/30/2025	17:41	LB135969
CCV04	Aluminum	9760	10000	98	90 - 110	P	05/30/2025	18:28	LB135969
	Antimony	5120	5000	102	90 - 110	P	05/30/2025	18:28	LB135969

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith SDG No.: Q2100
Contract: CAMP02 Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100
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	5120	5000	102	90 - 110	P	05/30/2025	18:28	LB135969
	Barium	9930	10000	99	90 - 110	P	05/30/2025	18:28	LB135969
	Beryllium	239	250	95	90 - 110	P	05/30/2025	18:28	LB135969
	Cadmium	2490	2500	100	90 - 110	P	05/30/2025	18:28	LB135969
	Calcium	24300	25000	97	90 - 110	P	05/30/2025	18:28	LB135969
	Chromium	1010	1000	102	90 - 110	P	05/30/2025	18:28	LB135969
	Cobalt	2490	2500	100	90 - 110	P	05/30/2025	18:28	LB135969
	Copper	1280	1250	102	90 - 110	P	05/30/2025	18:28	LB135969
	Iron	5320	5000	106	90 - 110	P	05/30/2025	18:28	LB135969
	Lead	4980	5000	100	90 - 110	P	05/30/2025	18:28	LB135969
	Magnesium	24000	25000	96	90 - 110	P	05/30/2025	18:28	LB135969
	Manganese	2430	2500	97	90 - 110	P	05/30/2025	18:28	LB135969
	Nickel	2490	2500	100	90 - 110	P	05/30/2025	18:28	LB135969
	Potassium	26200	25000	105	90 - 110	P	05/30/2025	18:28	LB135969
	Selenium	5200	5000	104	90 - 110	P	05/30/2025	18:28	LB135969
	Silver	1280	1250	102	90 - 110	P	05/30/2025	18:28	LB135969
	Sodium	26400	25000	106	90 - 110	P	05/30/2025	18:28	LB135969
	Thallium	5110	5000	102	90 - 110	P	05/30/2025	18:28	LB135969
	Vanadium	2460	2500	98	90 - 110	P	05/30/2025	18:28	LB135969
	Zinc	2510	2500	100	90 - 110	P	05/30/2025	18:28	LB135969
CCV05	Aluminum	10000	10000	100	90 - 110	P	05/30/2025	18:58	LB135969
	Antimony	5080	5000	102	90 - 110	P	05/30/2025	18:58	LB135969
	Arsenic	5070	5000	101	90 - 110	P	05/30/2025	18:58	LB135969
	Barium	9520	10000	95	90 - 110	P	05/30/2025	18:58	LB135969
	Beryllium	266	250	106	90 - 110	P	05/30/2025	18:58	LB135969
	Cadmium	2480	2500	99	90 - 110	P	05/30/2025	18:58	LB135969
	Calcium	24200	25000	97	90 - 110	P	05/30/2025	18:58	LB135969
	Chromium	1000	1000	100	90 - 110	P	05/30/2025	18:58	LB135969
	Cobalt	2480	2500	99	90 - 110	P	05/30/2025	18:58	LB135969
	Copper	1280	1250	102	90 - 110	P	05/30/2025	18:58	LB135969
	Iron	4710	5000	94	90 - 110	P	05/30/2025	18:58	LB135969
	Lead	4960	5000	99	90 - 110	P	05/30/2025	18:58	LB135969
	Magnesium	24400	25000	98	90 - 110	P	05/30/2025	18:58	LB135969
	Manganese	2430	2500	97	90 - 110	P	05/30/2025	18:58	LB135969

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2100
Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q2100 **SAS No.:** Q2100
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	2480	2500	99	90 - 110	P	05/30/2025	18:58	LB135969
	Potassium	24000	25000	96	90 - 110	P	05/30/2025	18:58	LB135969
	Selenium	5150	5000	103	90 - 110	P	05/30/2025	18:58	LB135969
	Silver	1260	1250	101	90 - 110	P	05/30/2025	18:58	LB135969
	Sodium	23200	25000	93	90 - 110	P	05/30/2025	18:58	LB135969
	Thallium	4950	5000	99	90 - 110	P	05/30/2025	18:58	LB135969
	Vanadium	2450	2500	98	90 - 110	P	05/30/2025	18:58	LB135969
	Zinc	2570	2500	103	90 - 110	P	05/30/2025	18:58	LB135969
CCV06	Aluminum	9730	10000	97	90 - 110	P	05/30/2025	19:30	LB135969
	Antimony	4980	5000	100	90 - 110	P	05/30/2025	19:30	LB135969
	Arsenic	4950	5000	99	90 - 110	P	05/30/2025	19:30	LB135969
	Barium	9770	10000	98	90 - 110	P	05/30/2025	19:30	LB135969
	Beryllium	246	250	98	90 - 110	P	05/30/2025	19:30	LB135969
	Cadmium	2460	2500	98	90 - 110	P	05/30/2025	19:30	LB135969
	Calcium	24300	25000	97	90 - 110	P	05/30/2025	19:30	LB135969
	Chromium	985	1000	98	90 - 110	P	05/30/2025	19:30	LB135969
	Cobalt	2460	2500	98	90 - 110	P	05/30/2025	19:30	LB135969
	Copper	1250	1250	100	90 - 110	P	05/30/2025	19:30	LB135969
	Iron	4920	5000	98	90 - 110	P	05/30/2025	19:30	LB135969
	Lead	4930	5000	99	90 - 110	P	05/30/2025	19:30	LB135969
	Magnesium	24100	25000	96	90 - 110	P	05/30/2025	19:30	LB135969
	Manganese	2440	2500	97	90 - 110	P	05/30/2025	19:30	LB135969
	Nickel	2460	2500	98	90 - 110	P	05/30/2025	19:30	LB135969
	Potassium	24800	25000	99	90 - 110	P	05/30/2025	19:30	LB135969
	Selenium	5010	5000	100	90 - 110	P	05/30/2025	19:30	LB135969
	Silver	1230	1250	98	90 - 110	P	05/30/2025	19:30	LB135969
	Sodium	24200	25000	97	90 - 110	P	05/30/2025	19:30	LB135969
	Thallium	4850	5000	97	90 - 110	P	05/30/2025	19:30	LB135969
	Vanadium	2440	2500	98	90 - 110	P	05/30/2025	19:30	LB135969
	Zinc	2520	2500	101	90 - 110	P	05/30/2025	19:30	LB135969