

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith

SDG No.: Q2458

Contract: CAMP02

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
ICV13	Mercury	3.97	4.0	99	90 - 110	CV	07/01/2025	11:43	LB136337

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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
CCV40	Mercury	4.59	5.0	92	90 - 110	CV	07/01/2025	11:47	LB136337
CCV41	Mercury	4.57	5.0	91	90 - 110	CV	07/01/2025	12:17	LB136337
CCV42	Mercury	4.66	5.0	93	90 - 110	CV	07/01/2025	12:47	LB136337
CCV43	Mercury	4.95	5.0	99	90 - 110	CV	07/01/2025	13:10	LB136337

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV14	Mercury	4.14	4.0	104	90 - 110	CV	07/02/2025	10:33	LB136352

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SDG No.: Q2458

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Lab Code: ACE

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
CCV44	Mercury	4.97	5.0	99	90 - 110	CV	07/02/2025	10:44	LB136352
CCV45	Mercury	4.56	5.0	91	90 - 110	CV	07/02/2025	11:35	LB136352
CCV46	Mercury	4.83	5.0	97	90 - 110	CV	07/02/2025	12:37	LB136352
CCV47	Mercury	4.94	5.0	99	90 - 110	CV	07/02/2025	13:18	LB136352

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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
ICV01	Aluminum	7680	8000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Antimony	4150	4000	104	90 - 110	P	07/03/2025	12:13	LB136371
	Arsenic	4040	4000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Barium	7550	8000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Beryllium	189	200	94	90 - 110	P	07/03/2025	12:13	LB136371
	Cadmium	2020	2000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Calcium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Chromium	777	800	97	90 - 110	P	07/03/2025	12:13	LB136371
	Cobalt	2000	2000	100	90 - 110	P	07/03/2025	12:13	LB136371
	Copper	1010	1000	101	90 - 110	P	07/03/2025	12:13	LB136371
	Iron	3740	4000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Lead	3950	4000	99	90 - 110	P	07/03/2025	12:13	LB136371
	Magnesium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Manganese	1920	2000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Nickel	1990	2000	100	90 - 110	P	07/03/2025	12:13	LB136371
	Potassium	18800	20000	94	90 - 110	P	07/03/2025	12:13	LB136371
	Selenium	4090	4000	102	90 - 110	P	07/03/2025	12:13	LB136371
	Silver	957	1000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Sodium	19000	20000	95	90 - 110	P	07/03/2025	12:13	LB136371
	Thallium	3870	4000	97	90 - 110	P	07/03/2025	12:13	LB136371
	Vanadium	1920	2000	96	90 - 110	P	07/03/2025	12:13	LB136371
	Zinc	1910	2000	96	90 - 110	P	07/03/2025	12:13	LB136371

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SDG No.: Q2458

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Lab Code: ACE

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
LLICV01	Aluminum	96.3	100	96	80 - 120	P	07/03/2025	12:17	LB136371
	Antimony	51.7	50.0	104	80 - 120	P	07/03/2025	12:17	LB136371
	Arsenic	19.9	20.0	99	80 - 120	P	07/03/2025	12:17	LB136371
	Barium	81.5	100	82	80 - 120	P	07/03/2025	12:17	LB136371
	Beryllium	5.83	6.0	97	80 - 120	P	07/03/2025	12:17	LB136371
	Cadmium	5.43	6.0	91	80 - 120	P	07/03/2025	12:17	LB136371
	Calcium	1940	2000	97	80 - 120	P	07/03/2025	12:17	LB136371
	Chromium	10.5	10.0	105	80 - 120	P	07/03/2025	12:17	LB136371
	Cobalt	29.1	30.0	97	80 - 120	P	07/03/2025	12:17	LB136371
	Copper	20.7	20.0	104	80 - 120	P	07/03/2025	12:17	LB136371
	Iron	106	100	106	80 - 120	P	07/03/2025	12:17	LB136371
	Lead	10.4	12.0	87	80 - 120	P	07/03/2025	12:17	LB136371
	Magnesium	2010	2000	101	80 - 120	P	07/03/2025	12:17	LB136371
	Manganese	20.7	20.0	103	80 - 120	P	07/03/2025	12:17	LB136371
	Nickel	39.9	40.0	100	80 - 120	P	07/03/2025	12:17	LB136371
	Potassium	1870	2000	94	80 - 120	P	07/03/2025	12:17	LB136371
	Selenium	22.6	20.0	113	80 - 120	P	07/03/2025	12:17	LB136371
	Silver	9.90	10.0	99	80 - 120	P	07/03/2025	12:17	LB136371
	Sodium	1960	2000	98	80 - 120	P	07/03/2025	12:17	LB136371
	Thallium	40.9	40.0	102	80 - 120	P	07/03/2025	12:17	LB136371
	Vanadium	38.3	40.0	96	80 - 120	P	07/03/2025	12:17	LB136371
	Zinc	40.6	40.0	102	80 - 120	P	07/03/2025	12:17	LB136371

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Lab Code: ACE

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
CCV01	Aluminum	9790	10000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Antimony	5110	5000	102	90 - 110	P	07/03/2025	13:23	LB136371
	Arsenic	5100	5000	102	90 - 110	P	07/03/2025	13:23	LB136371
	Barium	9600	10000	96	90 - 110	P	07/03/2025	13:23	LB136371
	Beryllium	236	250	94	90 - 110	P	07/03/2025	13:23	LB136371
	Cadmium	2520	2500	101	90 - 110	P	07/03/2025	13:23	LB136371
	Calcium	24500	25000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Chromium	1010	1000	101	90 - 110	P	07/03/2025	13:23	LB136371
	Cobalt	2500	2500	100	90 - 110	P	07/03/2025	13:23	LB136371
	Copper	1270	1250	101	90 - 110	P	07/03/2025	13:23	LB136371
	Iron	5070	5000	101	90 - 110	P	07/03/2025	13:23	LB136371
	Lead	4970	5000	100	90 - 110	P	07/03/2025	13:23	LB136371
	Magnesium	24200	25000	97	90 - 110	P	07/03/2025	13:23	LB136371
	Manganese	2460	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
	Nickel	2540	2500	102	90 - 110	P	07/03/2025	13:23	LB136371
	Potassium	24600	25000	98	90 - 110	P	07/03/2025	13:23	LB136371
	Selenium	5180	5000	104	90 - 110	P	07/03/2025	13:23	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	13:23	LB136371
	Sodium	24900	25000	100	90 - 110	P	07/03/2025	13:23	LB136371
	Thallium	4860	5000	97	90 - 110	P	07/03/2025	13:23	LB136371
	Vanadium	2440	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
	Zinc	2450	2500	98	90 - 110	P	07/03/2025	13:23	LB136371
CCV02	Aluminum	9680	10000	97	90 - 110	P	07/03/2025	14:25	LB136371
	Antimony	5120	5000	102	90 - 110	P	07/03/2025	14:25	LB136371
	Arsenic	5040	5000	101	90 - 110	P	07/03/2025	14:25	LB136371
	Barium	9400	10000	94	90 - 110	P	07/03/2025	14:25	LB136371
	Beryllium	232	250	93	90 - 110	P	07/03/2025	14:25	LB136371
	Cadmium	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Calcium	23800	25000	95	90 - 110	P	07/03/2025	14:25	LB136371
	Chromium	993	1000	99	90 - 110	P	07/03/2025	14:25	LB136371
	Cobalt	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Copper	1260	1250	100	90 - 110	P	07/03/2025	14:25	LB136371
	Iron	4900	5000	98	90 - 110	P	07/03/2025	14:25	LB136371
	Lead	4910	5000	98	90 - 110	P	07/03/2025	14:25	LB136371

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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	23600	25000	94	90 - 110	P	07/03/2025	14:25	LB136371
	Manganese	2480	2500	99	90 - 110	P	07/03/2025	14:25	LB136371
	Nickel	2510	2500	100	90 - 110	P	07/03/2025	14:25	LB136371
	Potassium	22500	25000	90	90 - 110	P	07/03/2025	14:25	LB136371
	Selenium	5160	5000	103	90 - 110	P	07/03/2025	14:25	LB136371
	Silver	1200	1250	96	90 - 110	P	07/03/2025	14:25	LB136371
	Sodium	22800	25000	91	90 - 110	P	07/03/2025	14:25	LB136371
	Thallium	5060	5000	101	90 - 110	P	07/03/2025	14:25	LB136371
	Vanadium	2390	2500	96	90 - 110	P	07/03/2025	14:25	LB136371
	Zinc	2420	2500	97	90 - 110	P	07/03/2025	14:25	LB136371
CCV03	Aluminum	9490	10000	95	90 - 110	P	07/03/2025	16:03	LB136371
	Antimony	5070	5000	101	90 - 110	P	07/03/2025	16:03	LB136371
	Arsenic	4930	5000	99	90 - 110	P	07/03/2025	16:03	LB136371
	Barium	9260	10000	93	90 - 110	P	07/03/2025	16:03	LB136371
	Beryllium	243	250	97	90 - 110	P	07/03/2025	16:03	LB136371
	Cadmium	2390	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Calcium	23500	25000	94	90 - 110	P	07/03/2025	16:03	LB136371
	Chromium	943	1000	94	90 - 110	P	07/03/2025	16:03	LB136371
	Cobalt	2410	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Copper	1220	1250	97	90 - 110	P	07/03/2025	16:03	LB136371
	Iron	4890	5000	98	90 - 110	P	07/03/2025	16:03	LB136371
	Lead	4730	5000	95	90 - 110	P	07/03/2025	16:03	LB136371
	Magnesium	22900	25000	92	90 - 110	P	07/03/2025	16:03	LB136371
	Manganese	2440	2500	98	90 - 110	P	07/03/2025	16:03	LB136371
	Nickel	2410	2500	96	90 - 110	P	07/03/2025	16:03	LB136371
	Potassium	24300	25000	97	90 - 110	P	07/03/2025	16:03	LB136371
	Selenium	5080	5000	102	90 - 110	P	07/03/2025	16:03	LB136371
	Silver	1200	1250	96	90 - 110	P	07/03/2025	16:03	LB136371
	Sodium	25100	25000	100	90 - 110	P	07/03/2025	16:03	LB136371
	Thallium	5350	5000	107	90 - 110	P	07/03/2025	16:03	LB136371
	Vanadium	2340	2500	94	90 - 110	P	07/03/2025	16:03	LB136371
	Zinc	2470	2500	99	90 - 110	P	07/03/2025	16:03	LB136371
CCV04	Aluminum	9520	10000	95	90 - 110	P	07/03/2025	16:58	LB136371
	Antimony	5140	5000	103	90 - 110	P	07/03/2025	16:58	LB136371

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5050	5000	101	90 - 110	P	07/03/2025	16:58	LB136371
	Barium	9300	10000	93	90 - 110	P	07/03/2025	16:58	LB136371
	Beryllium	245	250	98	90 - 110	P	07/03/2025	16:58	LB136371
	Cadmium	2440	2500	98	90 - 110	P	07/03/2025	16:58	LB136371
	Calcium	23600	25000	94	90 - 110	P	07/03/2025	16:58	LB136371
	Chromium	947	1000	95	90 - 110	P	07/03/2025	16:58	LB136371
	Cobalt	2440	2500	97	90 - 110	P	07/03/2025	16:58	LB136371
	Copper	1240	1250	99	90 - 110	P	07/03/2025	16:58	LB136371
	Iron	4970	5000	99	90 - 110	P	07/03/2025	16:58	LB136371
	Lead	4800	5000	96	90 - 110	P	07/03/2025	16:58	LB136371
	Magnesium	23100	25000	92	90 - 110	P	07/03/2025	16:58	LB136371
	Manganese	2440	2500	97	90 - 110	P	07/03/2025	16:58	LB136371
	Nickel	2440	2500	98	90 - 110	P	07/03/2025	16:58	LB136371
	Potassium	25200	25000	101	90 - 110	P	07/03/2025	16:58	LB136371
	Selenium	5210	5000	104	90 - 110	P	07/03/2025	16:58	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	16:58	LB136371
	Sodium	26100	25000	104	90 - 110	P	07/03/2025	16:58	LB136371
	Thallium	5260	5000	105	90 - 110	P	07/03/2025	16:58	LB136371
	Vanadium	2340	2500	94	90 - 110	P	07/03/2025	16:58	LB136371
	Zinc	2490	2500	100	90 - 110	P	07/03/2025	16:58	LB136371
CCV05	Aluminum	9700	10000	97	90 - 110	P	07/03/2025	17:28	LB136371
	Antimony	5240	5000	105	90 - 110	P	07/03/2025	17:28	LB136371
	Arsenic	5130	5000	102	90 - 110	P	07/03/2025	17:28	LB136371
	Barium	9380	10000	94	90 - 110	P	07/03/2025	17:28	LB136371
	Beryllium	252	250	101	90 - 110	P	07/03/2025	17:28	LB136371
	Cadmium	2490	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Calcium	24000	25000	96	90 - 110	P	07/03/2025	17:28	LB136371
	Chromium	950	1000	95	90 - 110	P	07/03/2025	17:28	LB136371
	Cobalt	2490	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Copper	1260	1250	101	90 - 110	P	07/03/2025	17:28	LB136371
	Iron	4800	5000	96	90 - 110	P	07/03/2025	17:28	LB136371
	Lead	4910	5000	98	90 - 110	P	07/03/2025	17:28	LB136371
	Magnesium	23400	25000	94	90 - 110	P	07/03/2025	17:28	LB136371
	Manganese	2480	2500	99	90 - 110	P	07/03/2025	17:28	LB136371

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CCV05	Nickel	2500	2500	100	90 - 110	P	07/03/2025	17:28	LB136371
	Potassium	24200	25000	97	90 - 110	P	07/03/2025	17:28	LB136371
	Selenium	5280	5000	106	90 - 110	P	07/03/2025	17:28	LB136371
	Silver	1210	1250	97	90 - 110	P	07/03/2025	17:28	LB136371
	Sodium	25000	25000	100	90 - 110	P	07/03/2025	17:28	LB136371
	Thallium	5280	5000	106	90 - 110	P	07/03/2025	17:28	LB136371
	Vanadium	2380	2500	95	90 - 110	P	07/03/2025	17:28	LB136371
	Zinc	2480	2500	99	90 - 110	P	07/03/2025	17:28	LB136371