

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2879

Contract: NOBI03

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
ICV20	Mercury	4.16	4.0	104	90 - 110	CV	08/18/2025	13:54	LB136858

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SDG No.: Q2879

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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
CCV60	Mercury	4.55	5.0	91	90 - 110	CV	08/18/2025	13:58	LB136858
CCV61	Mercury	5.07	5.0	101	90 - 110	CV	08/18/2025	14:26	LB136858
CCV62	Mercury	4.83	5.0	97	90 - 110	CV	08/18/2025	14:53	LB136858
CCV63	Mercury	4.62	5.0	92	90 - 110	CV	08/18/2025	15:26	LB136858

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SDG No.: Q2879

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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	7850	8000	98	90 - 110	P	08/19/2025	12:17	LB136886
	Antimony	4070	4000	102	90 - 110	P	08/19/2025	12:17	LB136886
	Arsenic	3990	4000	100	90 - 110	P	08/19/2025	12:17	LB136886
	Barium	7940	8000	99	90 - 110	P	08/19/2025	12:17	LB136886
	Beryllium	209	200	104	90 - 110	P	08/19/2025	12:17	LB136886
	Cadmium	1970	2000	98	90 - 110	P	08/19/2025	12:17	LB136886
	Calcium	19600	20000	98	90 - 110	P	08/19/2025	12:17	LB136886
	Chromium	803	800	100	90 - 110	P	08/19/2025	12:17	LB136886
	Cobalt	1980	2000	99	90 - 110	P	08/19/2025	12:17	LB136886
	Copper	1020	1000	102	90 - 110	P	08/19/2025	12:17	LB136886
	Iron	4010	4000	100	90 - 110	P	08/19/2025	12:17	LB136886
	Lead	3990	4000	100	90 - 110	P	08/19/2025	12:17	LB136886
	Magnesium	19600	20000	98	90 - 110	P	08/19/2025	12:17	LB136886
	Manganese	1980	2000	99	90 - 110	P	08/19/2025	12:17	LB136886
	Nickel	1980	2000	99	90 - 110	P	08/19/2025	12:17	LB136886
	Potassium	19600	20000	98	90 - 110	P	08/19/2025	12:17	LB136886
	Selenium	4030	4000	101	90 - 110	P	08/19/2025	12:17	LB136886
	Silver	1010	1000	101	90 - 110	P	08/19/2025	12:17	LB136886
	Sodium	19600	20000	98	90 - 110	P	08/19/2025	12:17	LB136886
	Thallium	3920	4000	98	90 - 110	P	08/19/2025	12:17	LB136886
	Vanadium	1970	2000	98	90 - 110	P	08/19/2025	12:17	LB136886
	Zinc	2000	2000	100	90 - 110	P	08/19/2025	12:17	LB136886

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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	117	100	117	80 - 120	P	08/19/2025	12:23	LB136886
	Antimony	55.2	50.0	110	80 - 120	P	08/19/2025	12:23	LB136886
	Arsenic	20.1	20.0	100	80 - 120	P	08/19/2025	12:23	LB136886
	Barium	100	100	100	80 - 120	P	08/19/2025	12:23	LB136886
	Beryllium	6.28	6.0	105	80 - 120	P	08/19/2025	12:23	LB136886
	Cadmium	6.00	6.0	100	80 - 120	P	08/19/2025	12:23	LB136886
	Calcium	2120	2000	106	80 - 120	P	08/19/2025	12:23	LB136886
	Chromium	10.0	10.0	100	80 - 120	P	08/19/2025	12:23	LB136886
	Cobalt	30.3	30.0	101	80 - 120	P	08/19/2025	12:23	LB136886
	Copper	22.1	20.0	111	80 - 120	P	08/19/2025	12:23	LB136886
	Iron	112	100	112	80 - 120	P	08/19/2025	12:23	LB136886
	Lead	12.5	12.0	104	80 - 120	P	08/19/2025	12:23	LB136886
	Magnesium	2190	2000	109	80 - 120	P	08/19/2025	12:23	LB136886
	Manganese	22.1	20.0	111	80 - 120	P	08/19/2025	12:23	LB136886
	Nickel	40.8	40.0	102	80 - 120	P	08/19/2025	12:23	LB136886
	Potassium	1900	2000	95	80 - 120	P	08/19/2025	12:23	LB136886
	Selenium	18.3	20.0	91	80 - 120	P	08/19/2025	12:23	LB136886
	Silver	10.6	10.0	106	80 - 120	P	08/19/2025	12:23	LB136886
	Sodium	1960	2000	98	80 - 120	P	08/19/2025	12:23	LB136886
	Thallium	43.9	40.0	110	80 - 120	P	08/19/2025	12:23	LB136886
	Vanadium	43.0	40.0	108	80 - 120	P	08/19/2025	12:23	LB136886
	Zinc	44.7	40.0	112	80 - 120	P	08/19/2025	12:23	LB136886

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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	9980	10000	100	90 - 110	P	08/19/2025	12:59	LB136886
	Antimony	5080	5000	102	90 - 110	P	08/19/2025	12:59	LB136886
	Arsenic	5050	5000	101	90 - 110	P	08/19/2025	12:59	LB136886
	Barium	10100	10000	100	90 - 110	P	08/19/2025	12:59	LB136886
	Beryllium	244	250	98	90 - 110	P	08/19/2025	12:59	LB136886
	Cadmium	2480	2500	99	90 - 110	P	08/19/2025	12:59	LB136886
	Calcium	25100	25000	100	90 - 110	P	08/19/2025	12:59	LB136886
	Chromium	1000	1000	100	90 - 110	P	08/19/2025	12:59	LB136886
	Cobalt	2480	2500	99	90 - 110	P	08/19/2025	12:59	LB136886
	Copper	1260	1250	101	90 - 110	P	08/19/2025	12:59	LB136886
	Iron	5140	5000	103	90 - 110	P	08/19/2025	12:59	LB136886
	Lead	4950	5000	99	90 - 110	P	08/19/2025	12:59	LB136886
	Magnesium	24700	25000	99	90 - 110	P	08/19/2025	12:59	LB136886
	Manganese	2500	2500	100	90 - 110	P	08/19/2025	12:59	LB136886
	Nickel	2480	2500	99	90 - 110	P	08/19/2025	12:59	LB136886
	Potassium	25400	25000	102	90 - 110	P	08/19/2025	12:59	LB136886
	Selenium	5090	5000	102	90 - 110	P	08/19/2025	12:59	LB136886
	Silver	1260	1250	100	90 - 110	P	08/19/2025	12:59	LB136886
	Sodium	26000	25000	104	90 - 110	P	08/19/2025	12:59	LB136886
	Thallium	5150	5000	103	90 - 110	P	08/19/2025	12:59	LB136886
	Vanadium	2500	2500	100	90 - 110	P	08/19/2025	12:59	LB136886
	Zinc	2540	2500	102	90 - 110	P	08/19/2025	12:59	LB136886
CCV02	Aluminum	9760	10000	98	90 - 110	P	08/19/2025	14:05	LB136886
	Antimony	5010	5000	100	90 - 110	P	08/19/2025	14:05	LB136886
	Arsenic	4980	5000	100	90 - 110	P	08/19/2025	14:05	LB136886
	Barium	9800	10000	98	90 - 110	P	08/19/2025	14:05	LB136886
	Beryllium	239	250	96	90 - 110	P	08/19/2025	14:05	LB136886
	Cadmium	2430	2500	97	90 - 110	P	08/19/2025	14:05	LB136886
	Calcium	24400	25000	98	90 - 110	P	08/19/2025	14:05	LB136886
	Chromium	982	1000	98	90 - 110	P	08/19/2025	14:05	LB136886
	Cobalt	2440	2500	97	90 - 110	P	08/19/2025	14:05	LB136886
	Copper	1240	1250	99	90 - 110	P	08/19/2025	14:05	LB136886
	Iron	5080	5000	102	90 - 110	P	08/19/2025	14:05	LB136886
	Lead	4850	5000	97	90 - 110	P	08/19/2025	14:05	LB136886

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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
CCV02	Magnesium	24200	25000	97	90 - 110	P	08/19/2025	14:05	LB136886
	Manganese	2440	2500	98	90 - 110	P	08/19/2025	14:05	LB136886
	Nickel	2440	2500	98	90 - 110	P	08/19/2025	14:05	LB136886
	Potassium	24800	25000	99	90 - 110	P	08/19/2025	14:05	LB136886
	Selenium	5020	5000	100	90 - 110	P	08/19/2025	14:05	LB136886
	Silver	1240	1250	99	90 - 110	P	08/19/2025	14:05	LB136886
	Sodium	25000	25000	100	90 - 110	P	08/19/2025	14:05	LB136886
	Thallium	5060	5000	101	90 - 110	P	08/19/2025	14:05	LB136886
	Vanadium	2480	2500	99	90 - 110	P	08/19/2025	14:05	LB136886
	Zinc	2500	2500	100	90 - 110	P	08/19/2025	14:05	LB136886
CCV03	Aluminum	9870	10000	99	90 - 110	P	08/19/2025	14:54	LB136886
	Antimony	5060	5000	101	90 - 110	P	08/19/2025	14:54	LB136886
	Arsenic	5040	5000	101	90 - 110	P	08/19/2025	14:54	LB136886
	Barium	10000	10000	100	90 - 110	P	08/19/2025	14:54	LB136886
	Beryllium	243	250	97	90 - 110	P	08/19/2025	14:54	LB136886
	Cadmium	2470	2500	99	90 - 110	P	08/19/2025	14:54	LB136886
	Calcium	24600	25000	98	90 - 110	P	08/19/2025	14:54	LB136886
	Chromium	1000	1000	100	90 - 110	P	08/19/2025	14:54	LB136886
	Cobalt	2470	2500	99	90 - 110	P	08/19/2025	14:54	LB136886
	Copper	1250	1250	100	90 - 110	P	08/19/2025	14:54	LB136886
	Iron	5160	5000	103	90 - 110	P	08/19/2025	14:54	LB136886
	Lead	4910	5000	98	90 - 110	P	08/19/2025	14:54	LB136886
	Magnesium	24600	25000	98	90 - 110	P	08/19/2025	14:54	LB136886
	Manganese	2470	2500	99	90 - 110	P	08/19/2025	14:54	LB136886
	Nickel	2470	2500	99	90 - 110	P	08/19/2025	14:54	LB136886
	Potassium	25100	25000	100	90 - 110	P	08/19/2025	14:54	LB136886
	Selenium	5080	5000	102	90 - 110	P	08/19/2025	14:54	LB136886
	Silver	1260	1250	101	90 - 110	P	08/19/2025	14:54	LB136886
	Sodium	24900	25000	100	90 - 110	P	08/19/2025	14:54	LB136886
	Thallium	5060	5000	101	90 - 110	P	08/19/2025	14:54	LB136886
	Vanadium	2500	2500	100	90 - 110	P	08/19/2025	14:54	LB136886
	Zinc	2540	2500	102	90 - 110	P	08/19/2025	14:54	LB136886
CCV04	Aluminum	9740	10000	97	90 - 110	P	08/19/2025	15:47	LB136886
	Antimony	5020	5000	100	90 - 110	P	08/19/2025	15:47	LB136886

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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	5000	5000	100	90 - 110	P	08/19/2025	15:47	LB136886
	Barium	9800	10000	98	90 - 110	P	08/19/2025	15:47	LB136886
	Beryllium	239	250	96	90 - 110	P	08/19/2025	15:47	LB136886
	Cadmium	2440	2500	98	90 - 110	P	08/19/2025	15:47	LB136886
	Calcium	24300	25000	97	90 - 110	P	08/19/2025	15:47	LB136886
	Chromium	990	1000	99	90 - 110	P	08/19/2025	15:47	LB136886
	Cobalt	2440	2500	98	90 - 110	P	08/19/2025	15:47	LB136886
	Copper	1240	1250	99	90 - 110	P	08/19/2025	15:47	LB136886
	Iron	5100	5000	102	90 - 110	P	08/19/2025	15:47	LB136886
	Lead	4860	5000	97	90 - 110	P	08/19/2025	15:47	LB136886
	Magnesium	24200	25000	97	90 - 110	P	08/19/2025	15:47	LB136886
	Manganese	2430	2500	97	90 - 110	P	08/19/2025	15:47	LB136886
	Nickel	2440	2500	98	90 - 110	P	08/19/2025	15:47	LB136886
	Potassium	24700	25000	99	90 - 110	P	08/19/2025	15:47	LB136886
	Selenium	5030	5000	101	90 - 110	P	08/19/2025	15:47	LB136886
	Silver	1250	1250	100	90 - 110	P	08/19/2025	15:47	LB136886
	Sodium	24400	25000	98	90 - 110	P	08/19/2025	15:47	LB136886
	Thallium	4860	5000	97	90 - 110	P	08/19/2025	15:47	LB136886
	Vanadium	2480	2500	99	90 - 110	P	08/19/2025	15:47	LB136886
	Zinc	2520	2500	101	90 - 110	P	08/19/2025	15:47	LB136886
CCV05	Aluminum	9760	10000	98	90 - 110	P	08/19/2025	16:38	LB136886
	Antimony	5070	5000	101	90 - 110	P	08/19/2025	16:38	LB136886
	Arsenic	5090	5000	102	90 - 110	P	08/19/2025	16:38	LB136886
	Barium	9760	10000	98	90 - 110	P	08/19/2025	16:38	LB136886
	Beryllium	239	250	96	90 - 110	P	08/19/2025	16:38	LB136886
	Cadmium	2470	2500	99	90 - 110	P	08/19/2025	16:38	LB136886
	Calcium	24400	25000	98	90 - 110	P	08/19/2025	16:38	LB136886
	Chromium	995	1000	100	90 - 110	P	08/19/2025	16:38	LB136886
	Cobalt	2470	2500	99	90 - 110	P	08/19/2025	16:38	LB136886
	Copper	1250	1250	100	90 - 110	P	08/19/2025	16:38	LB136886
	Iron	5100	5000	102	90 - 110	P	08/19/2025	16:38	LB136886
	Lead	4910	5000	98	90 - 110	P	08/19/2025	16:38	LB136886
	Magnesium	24400	25000	98	90 - 110	P	08/19/2025	16:38	LB136886
	Manganese	2430	2500	97	90 - 110	P	08/19/2025	16:38	LB136886

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CCV05	Nickel	2470	2500	99	90 - 110	P	08/19/2025	16:38	LB136886
	Potassium	25000	25000	100	90 - 110	P	08/19/2025	16:38	LB136886
	Selenium	5140	5000	103	90 - 110	P	08/19/2025	16:38	LB136886
	Silver	1260	1250	100	90 - 110	P	08/19/2025	16:38	LB136886
	Sodium	24900	25000	100	90 - 110	P	08/19/2025	16:38	LB136886
	Thallium	5290	5000	106	90 - 110	P	08/19/2025	16:38	LB136886
	Vanadium	2470	2500	99	90 - 110	P	08/19/2025	16:38	LB136886
	Zinc	2540	2500	102	90 - 110	P	08/19/2025	16:38	LB136886
CCV06	Aluminum	9810	10000	98	90 - 110	P	08/19/2025	17:29	LB136886
	Antimony	5120	5000	102	90 - 110	P	08/19/2025	17:29	LB136886
	Arsenic	5070	5000	102	90 - 110	P	08/19/2025	17:29	LB136886
	Barium	9990	10000	100	90 - 110	P	08/19/2025	17:29	LB136886
	Beryllium	235	250	94	90 - 110	P	08/19/2025	17:29	LB136886
	Cadmium	2460	2500	98	90 - 110	P	08/19/2025	17:29	LB136886
	Calcium	24400	25000	98	90 - 110	P	08/19/2025	17:29	LB136886
	Chromium	994	1000	99	90 - 110	P	08/19/2025	17:29	LB136886
	Cobalt	2470	2500	99	90 - 110	P	08/19/2025	17:29	LB136886
	Copper	1250	1250	100	90 - 110	P	08/19/2025	17:29	LB136886
	Iron	5290	5000	106	90 - 110	P	08/19/2025	17:29	LB136886
	Lead	4880	5000	98	90 - 110	P	08/19/2025	17:29	LB136886
	Magnesium	24300	25000	97	90 - 110	P	08/19/2025	17:29	LB136886
	Manganese	2460	2500	98	90 - 110	P	08/19/2025	17:29	LB136886
	Nickel	2460	2500	98	90 - 110	P	08/19/2025	17:29	LB136886
	Potassium	25400	25000	102	90 - 110	P	08/19/2025	17:29	LB136886
	Selenium	5150	5000	103	90 - 110	P	08/19/2025	17:29	LB136886
	Silver	1260	1250	101	90 - 110	P	08/19/2025	17:29	LB136886
	Sodium	25300	25000	101	90 - 110	P	08/19/2025	17:29	LB136886
	Thallium	5200	5000	104	90 - 110	P	08/19/2025	17:29	LB136886
	Vanadium	2490	2500	100	90 - 110	P	08/19/2025	17:29	LB136886
	Zinc	2540	2500	102	90 - 110	P	08/19/2025	17:29	LB136886
CCV07	Aluminum	9740	10000	97	90 - 110	P	08/19/2025	18:02	LB136886
	Antimony	5130	5000	103	90 - 110	P	08/19/2025	18:02	LB136886
	Arsenic	5090	5000	102	90 - 110	P	08/19/2025	18:02	LB136886
	Barium	9730	10000	97	90 - 110	P	08/19/2025	18:02	LB136886

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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	233	250	93	90 - 110	P	08/19/2025	18:02	LB136886
	Cadmium	2450	2500	98	90 - 110	P	08/19/2025	18:02	LB136886
	Calcium	24200	25000	97	90 - 110	P	08/19/2025	18:02	LB136886
	Chromium	990	1000	99	90 - 110	P	08/19/2025	18:02	LB136886
	Cobalt	2460	2500	98	90 - 110	P	08/19/2025	18:02	LB136886
	Copper	1250	1250	100	90 - 110	P	08/19/2025	18:02	LB136886
	Iron	5200	5000	104	90 - 110	P	08/19/2025	18:02	LB136886
	Lead	4850	5000	97	90 - 110	P	08/19/2025	18:02	LB136886
	Magnesium	23900	25000	96	90 - 110	P	08/19/2025	18:02	LB136886
	Manganese	2430	2500	97	90 - 110	P	08/19/2025	18:02	LB136886
	Nickel	2450	2500	98	90 - 110	P	08/19/2025	18:02	LB136886
	Potassium	25200	25000	101	90 - 110	P	08/19/2025	18:02	LB136886
	Selenium	5150	5000	103	90 - 110	P	08/19/2025	18:02	LB136886
	Silver	1250	1250	100	90 - 110	P	08/19/2025	18:02	LB136886
	Sodium	24900	25000	100	90 - 110	P	08/19/2025	18:02	LB136886
	Thallium	5290	5000	106	90 - 110	P	08/19/2025	18:02	LB136886
	Vanadium	2470	2500	99	90 - 110	P	08/19/2025	18:02	LB136886
	Zinc	2530	2500	101	90 - 110	P	08/19/2025	18:02	LB136886