

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Zuccaro Inc.

SDG No.: Q3032

Contract: ZUCC01

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
ICV22	Mercury	4.14	4.0	104	90 - 110	CV	09/08/2025	14:34	LB137106

Metals

- 2a -

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Lab Code: ACE

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Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV63	Mercury	5.12	5.0	102	90 - 110	CV	09/08/2025	14:38	LB137106
CCV64	Mercury	5.07	5.0	101	90 - 110	CV	09/08/2025	15:12	LB137106
CCV65	Mercury	4.98	5.0	100	90 - 110	CV	09/08/2025	15:39	LB137106
CCV66	Mercury	4.79	5.0	96	90 - 110	CV	09/08/2025	15:56	LB137106

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- 2a -

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SDG No.: Q3032

Contract: ZUCC01

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	7750	8000	97	90 - 110	P	09/08/2025	12:08	LB137113
	Antimony	4000	4000	100	90 - 110	P	09/08/2025	12:08	LB137113
	Arsenic	3910	4000	98	90 - 110	P	09/08/2025	12:08	LB137113
	Barium	7740	8000	97	90 - 110	P	09/08/2025	12:08	LB137113
	Beryllium	195	200	98	90 - 110	P	09/08/2025	12:08	LB137113
	Cadmium	1920	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Calcium	19200	20000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Chromium	794	800	99	90 - 110	P	09/08/2025	12:08	LB137113
	Cobalt	1930	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Copper	991	1000	99	90 - 110	P	09/08/2025	12:08	LB137113
	Iron	3920	4000	98	90 - 110	P	09/08/2025	12:08	LB137113
	Lead	3770	4000	94	90 - 110	P	09/08/2025	12:08	LB137113
	Magnesium	19300	20000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Manganese	1920	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Nickel	1930	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Potassium	19200	20000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Selenium	3960	4000	99	90 - 110	P	09/08/2025	12:08	LB137113
	Silver	971	1000	97	90 - 110	P	09/08/2025	12:08	LB137113
	Sodium	19300	20000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Thallium	3880	4000	97	90 - 110	P	09/08/2025	12:08	LB137113
	Vanadium	1930	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Zinc	1970	2000	98	90 - 110	P	09/08/2025	12:08	LB137113

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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	106	100	106	80 - 120	P	09/08/2025	12:14	LB137113
	Antimony	50.7	50.0	102	80 - 120	P	09/08/2025	12:14	LB137113
	Arsenic	21.9	20.0	110	80 - 120	P	09/08/2025	12:14	LB137113
	Barium	98.2	100	98	80 - 120	P	09/08/2025	12:14	LB137113
	Beryllium	6.32	6.0	105	80 - 120	P	09/08/2025	12:14	LB137113
	Cadmium	5.91	6.0	98	80 - 120	P	09/08/2025	12:14	LB137113
	Calcium	2110	2000	105	80 - 120	P	09/08/2025	12:14	LB137113
	Chromium	10.1	10.0	101	80 - 120	P	09/08/2025	12:14	LB137113
	Cobalt	30.1	30.0	100	80 - 120	P	09/08/2025	12:14	LB137113
	Copper	22.0	20.0	110	80 - 120	P	09/08/2025	12:14	LB137113
	Iron	109	100	109	80 - 120	P	09/08/2025	12:14	LB137113
	Lead	12.9	12.0	108	80 - 120	P	09/08/2025	12:14	LB137113
	Magnesium	2180	2000	109	80 - 120	P	09/08/2025	12:14	LB137113
	Manganese	22.4	20.0	112	80 - 120	P	09/08/2025	12:14	LB137113
	Nickel	39.9	40.0	100	80 - 120	P	09/08/2025	12:14	LB137113
	Potassium	1990	2000	100	80 - 120	P	09/08/2025	12:14	LB137113
	Selenium	19.6	20.0	98	80 - 120	P	09/08/2025	12:14	LB137113
	Silver	10.5	10.0	105	80 - 120	P	09/08/2025	12:14	LB137113
	Sodium	1970	2000	98	80 - 120	P	09/08/2025	12:14	LB137113
	Thallium	41.9	40.0	105	80 - 120	P	09/08/2025	12:14	LB137113
	Vanadium	41.3	40.0	103	80 - 120	P	09/08/2025	12:14	LB137113
	Zinc	42.5	40.0	106	80 - 120	P	09/08/2025	12:14	LB137113

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Lab Code: ACE

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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	10100	10000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Antimony	5010	5000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Arsenic	5010	5000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Barium	10100	10000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Beryllium	248	250	99	90 - 110	P	09/08/2025	12:43	LB137113
	Cadmium	2490	2500	99	90 - 110	P	09/08/2025	12:43	LB137113
	Calcium	25000	25000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Chromium	1010	1000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Cobalt	2490	2500	99	90 - 110	P	09/08/2025	12:43	LB137113
	Copper	1250	1250	100	90 - 110	P	09/08/2025	12:43	LB137113
	Iron	5050	5000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Lead	4920	5000	98	90 - 110	P	09/08/2025	12:43	LB137113
	Magnesium	25000	25000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Manganese	2500	2500	100	90 - 110	P	09/08/2025	12:43	LB137113
	Nickel	2480	2500	99	90 - 110	P	09/08/2025	12:43	LB137113
	Potassium	25000	25000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Selenium	5020	5000	100	90 - 110	P	09/08/2025	12:43	LB137113
	Silver	1240	1250	100	90 - 110	P	09/08/2025	12:43	LB137113
	Sodium	25500	25000	102	90 - 110	P	09/08/2025	12:43	LB137113
	Thallium	4890	5000	98	90 - 110	P	09/08/2025	12:43	LB137113
	Vanadium	2510	2500	100	90 - 110	P	09/08/2025	12:43	LB137113
	Zinc	2530	2500	101	90 - 110	P	09/08/2025	12:43	LB137113
CCV02	Aluminum	9940	10000	99	90 - 110	P	09/08/2025	13:36	LB137113
	Antimony	5000	5000	100	90 - 110	P	09/08/2025	13:36	LB137113
	Arsenic	5000	5000	100	90 - 110	P	09/08/2025	13:36	LB137113
	Barium	10000	10000	100	90 - 110	P	09/08/2025	13:36	LB137113
	Beryllium	243	250	97	90 - 110	P	09/08/2025	13:36	LB137113
	Cadmium	2470	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Calcium	24700	25000	99	90 - 110	P	09/08/2025	13:36	LB137113
	Chromium	993	1000	99	90 - 110	P	09/08/2025	13:36	LB137113
	Cobalt	2470	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Copper	1250	1250	100	90 - 110	P	09/08/2025	13:36	LB137113
	Iron	5060	5000	101	90 - 110	P	09/08/2025	13:36	LB137113
	Lead	4890	5000	98	90 - 110	P	09/08/2025	13:36	LB137113

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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	24600	25000	98	90 - 110	P	09/08/2025	13:36	LB137113
	Manganese	2470	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Nickel	2460	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Potassium	25300	25000	101	90 - 110	P	09/08/2025	13:36	LB137113
	Selenium	5040	5000	101	90 - 110	P	09/08/2025	13:36	LB137113
	Silver	1230	1250	99	90 - 110	P	09/08/2025	13:36	LB137113
	Sodium	25500	25000	102	90 - 110	P	09/08/2025	13:36	LB137113
	Thallium	4970	5000	100	90 - 110	P	09/08/2025	13:36	LB137113
	Vanadium	2490	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Zinc	2500	2500	100	90 - 110	P	09/08/2025	13:36	LB137113
CCV03	Aluminum	9830	10000	98	90 - 110	P	09/08/2025	14:42	LB137113
	Antimony	4980	5000	100	90 - 110	P	09/08/2025	14:42	LB137113
	Arsenic	4970	5000	100	90 - 110	P	09/08/2025	14:42	LB137113
	Barium	9920	10000	99	90 - 110	P	09/08/2025	14:42	LB137113
	Beryllium	239	250	96	90 - 110	P	09/08/2025	14:42	LB137113
	Cadmium	2440	2500	98	90 - 110	P	09/08/2025	14:42	LB137113
	Calcium	24200	25000	97	90 - 110	P	09/08/2025	14:42	LB137113
	Chromium	970	1000	97	90 - 110	P	09/08/2025	14:42	LB137113
	Cobalt	2450	2500	98	90 - 110	P	09/08/2025	14:42	LB137113
	Copper	1240	1250	99	90 - 110	P	09/08/2025	14:42	LB137113
	Iron	4950	5000	99	90 - 110	P	09/08/2025	14:42	LB137113
	Lead	4830	5000	96	90 - 110	P	09/08/2025	14:42	LB137113
	Magnesium	24000	25000	96	90 - 110	P	09/08/2025	14:42	LB137113
	Manganese	2430	2500	97	90 - 110	P	09/08/2025	14:42	LB137113
	Nickel	2430	2500	97	90 - 110	P	09/08/2025	14:42	LB137113
	Potassium	25200	25000	101	90 - 110	P	09/08/2025	14:42	LB137113
	Selenium	5070	5000	101	90 - 110	P	09/08/2025	14:42	LB137113
	Silver	1220	1250	97	90 - 110	P	09/08/2025	14:42	LB137113
	Sodium	25300	25000	101	90 - 110	P	09/08/2025	14:42	LB137113
	Thallium	5500	5000	110	90 - 110	P	09/08/2025	14:42	LB137113
	Vanadium	2450	2500	98	90 - 110	P	09/08/2025	14:42	LB137113
	Zinc	2470	2500	99	90 - 110	P	09/08/2025	14:42	LB137113
CCV04	Aluminum	9950	10000	100	90 - 110	P	09/08/2025	15:44	LB137113
	Antimony	5000	5000	100	90 - 110	P	09/08/2025	15:44	LB137113

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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	5040	5000	101	90 - 110	P	09/08/2025	15:44	LB137113
	Barium	9840	10000	98	90 - 110	P	09/08/2025	15:44	LB137113
	Beryllium	243	250	97	90 - 110	P	09/08/2025	15:44	LB137113
	Cadmium	2490	2500	99	90 - 110	P	09/08/2025	15:44	LB137113
	Calcium	24400	25000	98	90 - 110	P	09/08/2025	15:44	LB137113
	Chromium	993	1000	99	90 - 110	P	09/08/2025	15:44	LB137113
	Cobalt	2480	2500	99	90 - 110	P	09/08/2025	15:44	LB137113
	Copper	1260	1250	100	90 - 110	P	09/08/2025	15:44	LB137113
	Iron	4990	5000	100	90 - 110	P	09/08/2025	15:44	LB137113
	Lead	4890	5000	98	90 - 110	P	09/08/2025	15:44	LB137113
	Magnesium	24400	25000	98	90 - 110	P	09/08/2025	15:44	LB137113
	Manganese	2430	2500	97	90 - 110	P	09/08/2025	15:44	LB137113
	Nickel	2460	2500	98	90 - 110	P	09/08/2025	15:44	LB137113
	Potassium	24700	25000	99	90 - 110	P	09/08/2025	15:44	LB137113
	Selenium	5100	5000	102	90 - 110	P	09/08/2025	15:44	LB137113
	Silver	1230	1250	98	90 - 110	P	09/08/2025	15:44	LB137113
	Sodium	24700	25000	99	90 - 110	P	09/08/2025	15:44	LB137113
	Thallium	4520	5000	90	90 - 110	P	09/08/2025	15:44	LB137113
	Vanadium	2470	2500	99	90 - 110	P	09/08/2025	15:44	LB137113
	Zinc	2500	2500	100	90 - 110	P	09/08/2025	15:44	LB137113
CCV05	Aluminum	9870	10000	99	90 - 110	P	09/08/2025	16:13	LB137113
	Antimony	4950	5000	99	90 - 110	P	09/08/2025	16:13	LB137113
	Arsenic	4950	5000	99	90 - 110	P	09/08/2025	16:13	LB137113
	Barium	9640	10000	96	90 - 110	P	09/08/2025	16:13	LB137113
	Beryllium	241	250	96	90 - 110	P	09/08/2025	16:13	LB137113
	Cadmium	2450	2500	98	90 - 110	P	09/08/2025	16:13	LB137113
	Calcium	24200	25000	97	90 - 110	P	09/08/2025	16:13	LB137113
	Chromium	983	1000	98	90 - 110	P	09/08/2025	16:13	LB137113
	Cobalt	2450	2500	98	90 - 110	P	09/08/2025	16:13	LB137113
	Copper	1240	1250	99	90 - 110	P	09/08/2025	16:13	LB137113
	Iron	4950	5000	99	90 - 110	P	09/08/2025	16:13	LB137113
	Lead	4820	5000	96	90 - 110	P	09/08/2025	16:13	LB137113
	Magnesium	24200	25000	97	90 - 110	P	09/08/2025	16:13	LB137113
	Manganese	2410	2500	96	90 - 110	P	09/08/2025	16:13	LB137113

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CCV05	Nickel	2430	2500	97	90 - 110	P	09/08/2025	16:13	LB137113
	Potassium	24400	25000	98	90 - 110	P	09/08/2025	16:13	LB137113
	Selenium	5030	5000	101	90 - 110	P	09/08/2025	16:13	LB137113
	Silver	1220	1250	98	90 - 110	P	09/08/2025	16:13	LB137113
	Sodium	24500	25000	98	90 - 110	P	09/08/2025	16:13	LB137113
	Thallium	4580	5000	92	90 - 110	P	09/08/2025	16:13	LB137113
	Vanadium	2450	2500	98	90 - 110	P	09/08/2025	16:13	LB137113
	Zinc	2490	2500	99	90 - 110	P	09/08/2025	16:13	LB137113