

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q2743

Contract: GENV01

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
ICV48	Mercury	3.88	4.0	97	90 - 110	CV	08/01/2025	12:22	LB136668

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SDG No.: Q2743

Contract: GENV01

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
CCV73	Mercury	4.89	5.0	98	90 - 110	CV	08/01/2025	12:45	LB136668
CCV74	Mercury	4.68	5.0	94	90 - 110	CV	08/01/2025	13:15	LB136668
CCV75	Mercury	4.68	5.0	94	90 - 110	CV	08/01/2025	13:46	LB136668

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Client: G Environmental

SDG No.: Q2743

Contract: GENV01

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	7870	8000	98	90 - 110	P	08/04/2025	11:41	LB136697
	Antimony	4140	4000	104	90 - 110	P	08/04/2025	11:41	LB136697
	Arsenic	3970	4000	99	90 - 110	P	08/04/2025	11:41	LB136697
	Barium	7810	8000	98	90 - 110	P	08/04/2025	11:41	LB136697
	Beryllium	202	200	101	90 - 110	P	08/04/2025	11:41	LB136697
	Cadmium	1980	2000	99	90 - 110	P	08/04/2025	11:41	LB136697
	Calcium	19700	20000	98	90 - 110	P	08/04/2025	11:41	LB136697
	Chromium	812	800	102	90 - 110	P	08/04/2025	11:41	LB136697
	Cobalt	2010	2000	101	90 - 110	P	08/04/2025	11:41	LB136697
	Copper	1030	1000	103	90 - 110	P	08/04/2025	11:41	LB136697
	Iron	3980	4000	100	90 - 110	P	08/04/2025	11:41	LB136697
	Lead	4080	4000	102	90 - 110	P	08/04/2025	11:41	LB136697
	Magnesium	19700	20000	98	90 - 110	P	08/04/2025	11:41	LB136697
	Manganese	1980	2000	99	90 - 110	P	08/04/2025	11:41	LB136697
	Nickel	2010	2000	100	90 - 110	P	08/04/2025	11:41	LB136697
	Potassium	19600	20000	98	90 - 110	P	08/04/2025	11:41	LB136697
	Selenium	4000	4000	100	90 - 110	P	08/04/2025	11:41	LB136697
	Silver	982	1000	98	90 - 110	P	08/04/2025	11:41	LB136697
	Sodium	19500	20000	98	90 - 110	P	08/04/2025	11:41	LB136697
	Thallium	3970	4000	99	90 - 110	P	08/04/2025	11:41	LB136697
	Vanadium	2000	2000	100	90 - 110	P	08/04/2025	11:41	LB136697
	Zinc	2010	2000	100	90 - 110	P	08/04/2025	11:41	LB136697

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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
LLICV01	Aluminum	114	100	114	80 - 120	P	08/04/2025	11:45	LB136697
	Antimony	52.5	50.0	105	80 - 120	P	08/04/2025	11:45	LB136697
	Arsenic	21.5	20.0	108	80 - 120	P	08/04/2025	11:45	LB136697
	Barium	106	100	106	80 - 120	P	08/04/2025	11:45	LB136697
	Beryllium	6.68	6.0	111	80 - 120	P	08/04/2025	11:45	LB136697
	Cadmium	6.26	6.0	104	80 - 120	P	08/04/2025	11:45	LB136697
	Calcium	2150	2000	108	80 - 120	P	08/04/2025	11:45	LB136697
	Chromium	8.92	10.0	89	80 - 120	P	08/04/2025	11:45	LB136697
	Cobalt	31.3	30.0	104	80 - 120	P	08/04/2025	11:45	LB136697
	Copper	22.7	20.0	114	80 - 120	P	08/04/2025	11:45	LB136697
	Iron	102	100	102	80 - 120	P	08/04/2025	11:45	LB136697
	Lead	12.4	12.0	103	80 - 120	P	08/04/2025	11:45	LB136697
	Magnesium	2310	2000	115	80 - 120	P	08/04/2025	11:45	LB136697
	Manganese	21.3	20.0	106	80 - 120	P	08/04/2025	11:45	LB136697
	Nickel	41.9	40.0	105	80 - 120	P	08/04/2025	11:45	LB136697
	Potassium	1960	2000	98	80 - 120	P	08/04/2025	11:45	LB136697
	Selenium	20.1	20.0	101	80 - 120	P	08/04/2025	11:45	LB136697
	Silver	10.7	10.0	106	80 - 120	P	08/04/2025	11:45	LB136697
	Sodium	1990	2000	100	80 - 120	P	08/04/2025	11:45	LB136697
	Thallium	45.0	40.0	112	80 - 120	P	08/04/2025	11:45	LB136697
	Vanadium	41.3	40.0	103	80 - 120	P	08/04/2025	11:45	LB136697
	Zinc	42.4	40.0	106	80 - 120	P	08/04/2025	11:45	LB136697

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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
CCV01	Aluminum	9770	10000	98	90 - 110	P	08/04/2025	12:25	LB136697
	Antimony	5070	5000	101	90 - 110	P	08/04/2025	12:25	LB136697
	Arsenic	5060	5000	101	90 - 110	P	08/04/2025	12:25	LB136697
	Barium	9830	10000	98	90 - 110	P	08/04/2025	12:25	LB136697
	Beryllium	249	250	99	90 - 110	P	08/04/2025	12:25	LB136697
	Cadmium	2530	2500	101	90 - 110	P	08/04/2025	12:25	LB136697
	Calcium	24800	25000	99	90 - 110	P	08/04/2025	12:25	LB136697
	Chromium	969	1000	97	90 - 110	P	08/04/2025	12:25	LB136697
	Cobalt	2520	2500	101	90 - 110	P	08/04/2025	12:25	LB136697
	Copper	1270	1250	102	90 - 110	P	08/04/2025	12:25	LB136697
	Iron	4860	5000	97	90 - 110	P	08/04/2025	12:25	LB136697
	Lead	5010	5000	100	90 - 110	P	08/04/2025	12:25	LB136697
	Magnesium	24300	25000	97	90 - 110	P	08/04/2025	12:25	LB136697
	Manganese	2460	2500	98	90 - 110	P	08/04/2025	12:25	LB136697
	Nickel	2530	2500	101	90 - 110	P	08/04/2025	12:25	LB136697
	Potassium	24200	25000	97	90 - 110	P	08/04/2025	12:25	LB136697
	Selenium	5080	5000	102	90 - 110	P	08/04/2025	12:25	LB136697
	Silver	1220	1250	98	90 - 110	P	08/04/2025	12:25	LB136697
	Sodium	23900	25000	96	90 - 110	P	08/04/2025	12:25	LB136697
	Thallium	5080	5000	102	90 - 110	P	08/04/2025	12:25	LB136697
	Vanadium	2440	2500	98	90 - 110	P	08/04/2025	12:25	LB136697
	Zinc	2460	2500	98	90 - 110	P	08/04/2025	12:25	LB136697
CCV02	Aluminum	10200	10000	102	90 - 110	P	08/04/2025	13:37	LB136697
	Antimony	5070	5000	101	90 - 110	P	08/04/2025	13:37	LB136697
	Arsenic	5040	5000	101	90 - 110	P	08/04/2025	13:37	LB136697
	Barium	10100	10000	101	90 - 110	P	08/04/2025	13:37	LB136697
	Beryllium	261	250	104	90 - 110	P	08/04/2025	13:37	LB136697
	Cadmium	2530	2500	101	90 - 110	P	08/04/2025	13:37	LB136697
	Calcium	25700	25000	103	90 - 110	P	08/04/2025	13:37	LB136697
	Chromium	1000	1000	100	90 - 110	P	08/04/2025	13:37	LB136697
	Cobalt	2520	2500	101	90 - 110	P	08/04/2025	13:37	LB136697
	Copper	1270	1250	101	90 - 110	P	08/04/2025	13:37	LB136697
	Iron	4930	5000	99	90 - 110	P	08/04/2025	13:37	LB136697
	Lead	5020	5000	100	90 - 110	P	08/04/2025	13:37	LB136697

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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
CCV02	Magnesium	25200	25000	101	90 - 110	P	08/04/2025	13:37	LB136697
	Manganese	2550	2500	102	90 - 110	P	08/04/2025	13:37	LB136697
	Nickel	2530	2500	101	90 - 110	P	08/04/2025	13:37	LB136697
	Potassium	24700	25000	99	90 - 110	P	08/04/2025	13:37	LB136697
	Selenium	5050	5000	101	90 - 110	P	08/04/2025	13:37	LB136697
	Silver	1250	1250	100	90 - 110	P	08/04/2025	13:37	LB136697
	Sodium	24500	25000	98	90 - 110	P	08/04/2025	13:37	LB136697
	Thallium	5120	5000	102	90 - 110	P	08/04/2025	13:37	LB136697
	Vanadium	2540	2500	102	90 - 110	P	08/04/2025	13:37	LB136697
	Zinc	2530	2500	101	90 - 110	P	08/04/2025	13:37	LB136697
CCV03	Aluminum	9430	10000	94	90 - 110	P	08/04/2025	14:43	LB136697
	Antimony	4990	5000	100	90 - 110	P	08/04/2025	14:43	LB136697
	Arsenic	4890	5000	98	90 - 110	P	08/04/2025	14:43	LB136697
	Barium	9740	10000	97	90 - 110	P	08/04/2025	14:43	LB136697
	Beryllium	236	250	94	90 - 110	P	08/04/2025	14:43	LB136697
	Cadmium	2310	2500	92	90 - 110	P	08/04/2025	14:43	LB136697
	Calcium	24400	25000	98	90 - 110	P	08/04/2025	14:43	LB136697
	Chromium	907	1000	91	90 - 110	P	08/04/2025	14:43	LB136697
	Cobalt	2320	2500	93	90 - 110	P	08/04/2025	14:43	LB136697
	Copper	1190	1250	95	90 - 110	P	08/04/2025	14:43	LB136697
	Iron	4990	5000	100	90 - 110	P	08/04/2025	14:43	LB136697
	Lead	4640	5000	93	90 - 110	P	08/04/2025	14:43	LB136697
	Magnesium	23000	25000	92	90 - 110	P	08/04/2025	14:43	LB136697
	Manganese	2400	2500	96	90 - 110	P	08/04/2025	14:43	LB136697
	Nickel	2330	2500	93	90 - 110	P	08/04/2025	14:43	LB136697
	Potassium	25100	25000	100	90 - 110	P	08/04/2025	14:43	LB136697
	Selenium	5050	5000	101	90 - 110	P	08/04/2025	14:43	LB136697
	Silver	1210	1250	97	90 - 110	P	08/04/2025	14:43	LB136697
	Sodium	23600	25000	94	90 - 110	P	08/04/2025	14:43	LB136697
	Thallium	5420	5000	108	90 - 110	P	08/04/2025	14:43	LB136697
	Vanadium	2380	2500	95	90 - 110	P	08/04/2025	14:43	LB136697
	Zinc	2550	2500	102	90 - 110	P	08/04/2025	14:43	LB136697
CCV04	Aluminum	9680	10000	97	90 - 110	P	08/04/2025	15:48	LB136697
	Antimony	5060	5000	101	90 - 110	P	08/04/2025	15:48	LB136697

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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
CCV04	Arsenic	4930	5000	99	90 - 110	P	08/04/2025	15:48	LB136697
	Barium	10100	10000	101	90 - 110	P	08/04/2025	15:48	LB136697
	Beryllium	247	250	99	90 - 110	P	08/04/2025	15:48	LB136697
	Cadmium	2340	2500	94	90 - 110	P	08/04/2025	15:48	LB136697
	Calcium	25200	25000	101	90 - 110	P	08/04/2025	15:48	LB136697
	Chromium	916	1000	92	90 - 110	P	08/04/2025	15:48	LB136697
	Cobalt	2360	2500	94	90 - 110	P	08/04/2025	15:48	LB136697
	Copper	1210	1250	96	90 - 110	P	08/04/2025	15:48	LB136697
	Iron	4900	5000	98	90 - 110	P	08/04/2025	15:48	LB136697
	Lead	4720	5000	94	90 - 110	P	08/04/2025	15:48	LB136697
	Magnesium	23600	25000	94	90 - 110	P	08/04/2025	15:48	LB136697
	Manganese	2460	2500	98	90 - 110	P	08/04/2025	15:48	LB136697
	Nickel	2370	2500	95	90 - 110	P	08/04/2025	15:48	LB136697
	Potassium	24600	25000	98	90 - 110	P	08/04/2025	15:48	LB136697
	Selenium	5070	5000	101	90 - 110	P	08/04/2025	15:48	LB136697
	Silver	1230	1250	98	90 - 110	P	08/04/2025	15:48	LB136697
	Sodium	23200	25000	93	90 - 110	P	08/04/2025	15:48	LB136697
	Thallium	5360	5000	107	90 - 110	P	08/04/2025	15:48	LB136697
	Vanadium	2430	2500	97	90 - 110	P	08/04/2025	15:48	LB136697
	Zinc	2530	2500	101	90 - 110	P	08/04/2025	15:48	LB136697
CCV05	Aluminum	9770	10000	98	90 - 110	P	08/04/2025	16:51	LB136697
	Antimony	5190	5000	104	90 - 110	P	08/04/2025	16:51	LB136697
	Arsenic	5050	5000	101	90 - 110	P	08/04/2025	16:51	LB136697
	Barium	10200	10000	102	90 - 110	P	08/04/2025	16:51	LB136697
	Beryllium	249	250	99	90 - 110	P	08/04/2025	16:51	LB136697
	Cadmium	2360	2500	94	90 - 110	P	08/04/2025	16:51	LB136697
	Calcium	25400	25000	102	90 - 110	P	08/04/2025	16:51	LB136697
	Chromium	925	1000	92	90 - 110	P	08/04/2025	16:51	LB136697
	Cobalt	2390	2500	96	90 - 110	P	08/04/2025	16:51	LB136697
	Copper	1220	1250	98	90 - 110	P	08/04/2025	16:51	LB136697
	Iron	5040	5000	101	90 - 110	P	08/04/2025	16:51	LB136697
	Lead	4760	5000	95	90 - 110	P	08/04/2025	16:51	LB136697
	Magnesium	23700	25000	95	90 - 110	P	08/04/2025	16:51	LB136697
	Manganese	2490	2500	100	90 - 110	P	08/04/2025	16:51	LB136697

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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
CCV05	Nickel	2400	2500	96	90 - 110	P	08/04/2025	16:51	LB136697
	Potassium	26000	25000	104	90 - 110	P	08/04/2025	16:51	LB136697
	Selenium	5200	5000	104	90 - 110	P	08/04/2025	16:51	LB136697
	Silver	1250	1250	100	90 - 110	P	08/04/2025	16:51	LB136697
	Sodium	22900	25000	92	90 - 110	P	08/04/2025	16:51	LB136697
	Thallium	5470	5000	109	90 - 110	P	08/04/2025	16:51	LB136697
	Vanadium	2460	2500	98	90 - 110	P	08/04/2025	16:51	LB136697
	Zinc	2550	2500	102	90 - 110	P	08/04/2025	16:51	LB136697
CCV06	Aluminum	10200	10000	102	90 - 110	P	08/04/2025	17:41	LB136697
	Antimony	5340	5000	107	90 - 110	P	08/04/2025	17:41	LB136697
	Arsenic	5210	5000	104	90 - 110	P	08/04/2025	17:41	LB136697
	Barium	10500	10000	105	90 - 110	P	08/04/2025	17:41	LB136697
	Beryllium	257	250	103	90 - 110	P	08/04/2025	17:41	LB136697
	Cadmium	2460	2500	98	90 - 110	P	08/04/2025	17:41	LB136697
	Calcium	26000	25000	104	90 - 110	P	08/04/2025	17:41	LB136697
	Chromium	982	1000	98	90 - 110	P	08/04/2025	17:41	LB136697
	Cobalt	2470	2500	99	90 - 110	P	08/04/2025	17:41	LB136697
	Copper	1260	1250	101	90 - 110	P	08/04/2025	17:41	LB136697
	Iron	5210	5000	104	90 - 110	P	08/04/2025	17:41	LB136697
	Lead	4950	5000	99	90 - 110	P	08/04/2025	17:41	LB136697
	Magnesium	24800	25000	99	90 - 110	P	08/04/2025	17:41	LB136697
	Manganese	2570	2500	103	90 - 110	P	08/04/2025	17:41	LB136697
	Nickel	2480	2500	99	90 - 110	P	08/04/2025	17:41	LB136697
	Potassium	26600	25000	107	90 - 110	P	08/04/2025	17:41	LB136697
	Selenium	5380	5000	108	90 - 110	P	08/04/2025	17:41	LB136697
	Silver	1300	1250	104	90 - 110	P	08/04/2025	17:41	LB136697
	Sodium	24600	25000	98	90 - 110	P	08/04/2025	17:41	LB136697
	Thallium	5640	5000	113	90 - 110	P	08/04/2025	17:41	LB136697
	Vanadium	2550	2500	102	90 - 110	P	08/04/2025	17:41	LB136697
	Zinc	2610	2500	104	90 - 110	P	08/04/2025	17:41	LB136697
CCV07	Aluminum	10200	10000	102	90 - 110	P	08/04/2025	17:58	LB136697
	Antimony	5300	5000	106	90 - 110	P	08/04/2025	17:58	LB136697
	Arsenic	5180	5000	104	90 - 110	P	08/04/2025	17:58	LB136697
	Barium	10500	10000	105	90 - 110	P	08/04/2025	17:58	LB136697

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Lab Code: ACE

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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	257	250	103	90 - 110	P	08/04/2025	17:58	LB136697
	Cadmium	2460	2500	98	90 - 110	P	08/04/2025	17:58	LB136697
	Calcium	26000	25000	104	90 - 110	P	08/04/2025	17:58	LB136697
	Chromium	966	1000	97	90 - 110	P	08/04/2025	17:58	LB136697
	Cobalt	2480	2500	99	90 - 110	P	08/04/2025	17:58	LB136697
	Copper	1260	1250	101	90 - 110	P	08/04/2025	17:58	LB136697
	Iron	5150	5000	103	90 - 110	P	08/04/2025	17:58	LB136697
	Lead	4950	5000	99	90 - 110	P	08/04/2025	17:58	LB136697
	Magnesium	24800	25000	99	90 - 110	P	08/04/2025	17:58	LB136697
	Manganese	2570	2500	103	90 - 110	P	08/04/2025	17:58	LB136697
	Nickel	2490	2500	99	90 - 110	P	08/04/2025	17:58	LB136697
	Potassium	25800	25000	103	90 - 110	P	08/04/2025	17:58	LB136697
	Selenium	5300	5000	106	90 - 110	P	08/04/2025	17:58	LB136697
	Silver	1280	1250	103	90 - 110	P	08/04/2025	17:58	LB136697
	Sodium	24600	25000	98	90 - 110	P	08/04/2025	17:58	LB136697
	Thallium	5470	5000	110	90 - 110	P	08/04/2025	17:58	LB136697
	Vanadium	2560	2500	102	90 - 110	P	08/04/2025	17:58	LB136697
	Zinc	2580	2500	103	90 - 110	P	08/04/2025	17:58	LB136697