

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

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
ICV21	Mercury	3.82	4.0	95	90 - 110	CV	09/05/2025	15:20	1b137094

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV60	Mercury	4.97	5.0	99	90 - 110	CV	09/05/2025	15:25	1b137094
CCV61	Mercury	5.04	5.0	101	90 - 110	CV	09/05/2025	15:55	1b137094
CCV62	Mercury	4.97	5.0	99	90 - 110	CV	09/05/2025	16:25	1b137094
CCV63	Mercury	5.07	5.0	102	90 - 110	CV	09/05/2025	16:41	1b137094

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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	7890	8000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Antimony	4070	4000	102	90 - 110	P	09/05/2025	11:44	LB137103
	Arsenic	3960	4000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Barium	7880	8000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Beryllium	202	200	101	90 - 110	P	09/05/2025	11:44	LB137103
	Cadmium	1960	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Calcium	19700	20000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Chromium	809	800	101	90 - 110	P	09/05/2025	11:44	LB137103
	Cobalt	1970	2000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Copper	1010	1000	101	90 - 110	P	09/05/2025	11:44	LB137103
	Iron	3950	4000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Lead	3880	4000	97	90 - 110	P	09/05/2025	11:44	LB137103
	Magnesium	19700	20000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Manganese	1970	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Nickel	1980	2000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Potassium	19500	20000	97	90 - 110	P	09/05/2025	11:44	LB137103
	Selenium	4000	4000	100	90 - 110	P	09/05/2025	11:44	LB137103
	Silver	1010	1000	101	90 - 110	P	09/05/2025	11:44	LB137103
	Sodium	19200	20000	96	90 - 110	P	09/05/2025	11:44	LB137103
	Thallium	3830	4000	96	90 - 110	P	09/05/2025	11:44	LB137103
	Vanadium	1970	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Zinc	1990	2000	100	90 - 110	P	09/05/2025	11:44	LB137103

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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	111	100	111	80 - 120	P	09/05/2025	11:48	LB137103
	Antimony	52.2	50.0	104	80 - 120	P	09/05/2025	11:48	LB137103
	Arsenic	19.4	20.0	97	80 - 120	P	09/05/2025	11:48	LB137103
	Barium	102	100	102	80 - 120	P	09/05/2025	11:48	LB137103
	Beryllium	6.33	6.0	106	80 - 120	P	09/05/2025	11:48	LB137103
	Cadmium	6.02	6.0	100	80 - 120	P	09/05/2025	11:48	LB137103
	Calcium	2070	2000	104	80 - 120	P	09/05/2025	11:48	LB137103
	Chromium	9.77	10.0	98	80 - 120	P	09/05/2025	11:48	LB137103
	Cobalt	30.0	30.0	100	80 - 120	P	09/05/2025	11:48	LB137103
	Copper	21.7	20.0	108	80 - 120	P	09/05/2025	11:48	LB137103
	Iron	105	100	105	80 - 120	P	09/05/2025	11:48	LB137103
	Lead	10.9	12.0	91	80 - 120	P	09/05/2025	11:48	LB137103
	Magnesium	2200	2000	110	80 - 120	P	09/05/2025	11:48	LB137103
	Manganese	22.4	20.0	112	80 - 120	P	09/05/2025	11:48	LB137103
	Nickel	40.9	40.0	102	80 - 120	P	09/05/2025	11:48	LB137103
	Potassium	1980	2000	99	80 - 120	P	09/05/2025	11:48	LB137103
	Selenium	22.8	20.0	114	80 - 120	P	09/05/2025	11:48	LB137103
	Silver	10.3	10.0	103	80 - 120	P	09/05/2025	11:48	LB137103
	Sodium	1990	2000	100	80 - 120	P	09/05/2025	11:48	LB137103
	Thallium	42.2	40.0	106	80 - 120	P	09/05/2025	11:48	LB137103
	Vanadium	36.7	40.0	92	80 - 120	P	09/05/2025	11:48	LB137103
	Zinc	42.3	40.0	106	80 - 120	P	09/05/2025	11:48	LB137103

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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	9910	10000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Antimony	4990	5000	100	90 - 110	P	09/05/2025	12:28	LB137103
	Arsenic	4950	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Barium	9940	10000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Beryllium	250	250	100	90 - 110	P	09/05/2025	12:28	LB137103
	Cadmium	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Calcium	24700	25000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Chromium	994	1000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Cobalt	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Copper	1240	1250	99	90 - 110	P	09/05/2025	12:28	LB137103
	Iron	4930	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Lead	4880	5000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Magnesium	24400	25000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Manganese	2460	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Nickel	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Potassium	24400	25000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Selenium	4950	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Silver	1240	1250	100	90 - 110	P	09/05/2025	12:28	LB137103
	Sodium	24200	25000	97	90 - 110	P	09/05/2025	12:28	LB137103
	Thallium	4760	5000	95	90 - 110	P	09/05/2025	12:28	LB137103
	Vanadium	2480	2500	99	90 - 110	P	09/05/2025	12:28	LB137103
	Zinc	2490	2500	100	90 - 110	P	09/05/2025	12:28	LB137103
CCV02	Aluminum	9830	10000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Antimony	5090	5000	102	90 - 110	P	09/05/2025	13:20	LB137103
	Arsenic	5070	5000	101	90 - 110	P	09/05/2025	13:20	LB137103
	Barium	9800	10000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Beryllium	241	250	96	90 - 110	P	09/05/2025	13:20	LB137103
	Cadmium	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Calcium	24500	25000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Chromium	989	1000	99	90 - 110	P	09/05/2025	13:20	LB137103
	Cobalt	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Copper	1260	1250	101	90 - 110	P	09/05/2025	13:20	LB137103
	Iron	5030	5000	101	90 - 110	P	09/05/2025	13:20	LB137103
	Lead	4900	5000	98	90 - 110	P	09/05/2025	13:20	LB137103

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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	09/05/2025	13:20	LB137103
	Manganese	2440	2500	98	90 - 110	P	09/05/2025	13:20	LB137103
	Nickel	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Potassium	25000	25000	100	90 - 110	P	09/05/2025	13:20	LB137103
	Selenium	5120	5000	102	90 - 110	P	09/05/2025	13:20	LB137103
	Silver	1250	1250	100	90 - 110	P	09/05/2025	13:20	LB137103
	Sodium	24700	25000	99	90 - 110	P	09/05/2025	13:20	LB137103
	Thallium	5410	5000	108	90 - 110	P	09/05/2025	13:20	LB137103
	Vanadium	2460	2500	98	90 - 110	P	09/05/2025	13:20	LB137103
	Zinc	2510	2500	100	90 - 110	P	09/05/2025	13:20	LB137103
CCV03	Aluminum	9840	10000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Antimony	5090	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Arsenic	5090	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Barium	9960	10000	100	90 - 110	P	09/05/2025	14:29	LB137103
	Beryllium	240	250	96	90 - 110	P	09/05/2025	14:29	LB137103
	Cadmium	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Calcium	24500	25000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Chromium	988	1000	99	90 - 110	P	09/05/2025	14:29	LB137103
	Cobalt	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Copper	1260	1250	101	90 - 110	P	09/05/2025	14:29	LB137103
	Iron	5100	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Lead	4900	5000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Magnesium	24400	25000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Manganese	2450	2500	98	90 - 110	P	09/05/2025	14:29	LB137103
	Nickel	2480	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Potassium	25300	25000	101	90 - 110	P	09/05/2025	14:29	LB137103
	Selenium	5160	5000	103	90 - 110	P	09/05/2025	14:29	LB137103
	Silver	1250	1250	100	90 - 110	P	09/05/2025	14:29	LB137103
	Sodium	25500	25000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Thallium	5140	5000	103	90 - 110	P	09/05/2025	14:29	LB137103
	Vanadium	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Zinc	2520	2500	101	90 - 110	P	09/05/2025	14:29	LB137103
CCV04	Aluminum	9610	10000	96	90 - 110	P	09/05/2025	15:36	LB137103
	Antimony	5060	5000	101	90 - 110	P	09/05/2025	15:36	LB137103

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CCV04	Arsenic	4970	5000	99	90 - 110	P	09/05/2025	15:36	LB137103
	Barium	9750	10000	98	90 - 110	P	09/05/2025	15:36	LB137103
	Beryllium	227	250	91	90 - 110	P	09/05/2025	15:36	LB137103
	Cadmium	2360	2500	94	90 - 110	P	09/05/2025	15:36	LB137103
	Calcium	23700	25000	95	90 - 110	P	09/05/2025	15:36	LB137103
	Chromium	965	1000	96	90 - 110	P	09/05/2025	15:36	LB137103
	Cobalt	2380	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Copper	1220	1250	98	90 - 110	P	09/05/2025	15:36	LB137103
	Iron	5150	5000	103	90 - 110	P	09/05/2025	15:36	LB137103
	Lead	4720	5000	94	90 - 110	P	09/05/2025	15:36	LB137103
	Magnesium	23400	25000	94	90 - 110	P	09/05/2025	15:36	LB137103
	Manganese	2370	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Nickel	2380	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Potassium	25300	25000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Selenium	5050	5000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Silver	1230	1250	98	90 - 110	P	09/05/2025	15:36	LB137103
	Sodium	25300	25000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Thallium	4960	5000	99	90 - 110	P	09/05/2025	15:36	LB137103
	Vanadium	2420	2500	97	90 - 110	P	09/05/2025	15:36	LB137103
	Zinc	2480	2500	99	90 - 110	P	09/05/2025	15:36	LB137103
CCV05	Aluminum	9650	10000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Antimony	5070	5000	101	90 - 110	P	09/05/2025	16:06	LB137103
	Arsenic	4990	5000	100	90 - 110	P	09/05/2025	16:06	LB137103
	Barium	9650	10000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Beryllium	230	250	92	90 - 110	P	09/05/2025	16:06	LB137103
	Cadmium	2360	2500	94	90 - 110	P	09/05/2025	16:06	LB137103
	Calcium	23600	25000	95	90 - 110	P	09/05/2025	16:06	LB137103
	Chromium	964	1000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Cobalt	2380	2500	95	90 - 110	P	09/05/2025	16:06	LB137103
	Copper	1230	1250	98	90 - 110	P	09/05/2025	16:06	LB137103
	Iron	5120	5000	102	90 - 110	P	09/05/2025	16:06	LB137103
	Lead	4710	5000	94	90 - 110	P	09/05/2025	16:06	LB137103
	Magnesium	23400	25000	94	90 - 110	P	09/05/2025	16:06	LB137103
	Manganese	2360	2500	94	90 - 110	P	09/05/2025	16:06	LB137103

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CCV05	Nickel	2390	2500	96	90 - 110	P	09/05/2025	16:06	LB137103
	Potassium	24700	25000	99	90 - 110	P	09/05/2025	16:06	LB137103
	Selenium	5060	5000	101	90 - 110	P	09/05/2025	16:06	LB137103
	Silver	1230	1250	98	90 - 110	P	09/05/2025	16:06	LB137103
	Sodium	24300	25000	97	90 - 110	P	09/05/2025	16:06	LB137103
	Thallium	4910	5000	98	90 - 110	P	09/05/2025	16:06	LB137103
	Vanadium	2410	2500	96	90 - 110	P	09/05/2025	16:06	LB137103
	Zinc	2470	2500	99	90 - 110	P	09/05/2025	16:06	LB137103