

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech, EMI

SDG No.: Q3291

Contract: TETR16

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
ICV61	Mercury	3.79	4.0	95	90 - 110	CV	10/07/2025	10:04	LB137441

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CCV90	Mercury	4.93	5.0	99	90 - 110	CV	10/07/2025	10:09	LB137441
CCV91	Mercury	4.88	5.0	98	90 - 110	CV	10/07/2025	10:45	LB137441
CCV92	Mercury	4.57	5.0	91	90 - 110	CV	10/07/2025	11:13	LB137441
CCV93	Mercury	4.74	5.0	95	90 - 110	CV	10/07/2025	11:37	LB137441
CCV94	Mercury	4.84	5.0	97	90 - 110	CV	10/07/2025	11:53	LB137441

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1490	1600	93	90 - 110	P	10/07/2025	17:26	LB137449
	Antimony	434	400	108	90 - 110	P	10/07/2025	17:26	LB137449
	Arsenic	403	400	101	90 - 110	P	10/07/2025	17:26	LB137449
	Barium	1660	1600	104	90 - 110	P	10/07/2025	17:26	LB137449
	Beryllium	42.8	40.0	107	90 - 110	P	10/07/2025	17:26	LB137449
	Cadmium	215	200	108	90 - 110	P	10/07/2025	17:26	LB137449
	Calcium	3980	4000	99	90 - 110	P	10/07/2025	17:26	LB137449
	Chromium	161	160	100	90 - 110	P	10/07/2025	17:26	LB137449
	Cobalt	406	400	102	90 - 110	P	10/07/2025	17:26	LB137449
	Copper	187	200	93	90 - 110	P	10/07/2025	17:26	LB137449
	Iron	862	800	108	90 - 110	P	10/07/2025	17:26	LB137449
	Lead	390	400	98	90 - 110	P	10/07/2025	17:26	LB137449
	Magnesium	3600	4000	90	90 - 110	P	10/07/2025	17:26	LB137449
	Manganese	402	400	100	90 - 110	P	10/07/2025	17:26	LB137449
	Nickel	411	400	103	90 - 110	P	10/07/2025	17:26	LB137449
	Potassium	4160	4000	104	90 - 110	P	10/07/2025	17:26	LB137449
	Selenium	420	400	105	90 - 110	P	10/07/2025	17:26	LB137449
	Silver	185	200	92	90 - 110	P	10/07/2025	17:26	LB137449
	Sodium	3960	4000	99	90 - 110	P	10/07/2025	17:26	LB137449
	Thallium	390	400	97	90 - 110	P	10/07/2025	17:26	LB137449
	Vanadium	399	400	100	90 - 110	P	10/07/2025	17:26	LB137449
	Zinc	369	400	92	90 - 110	P	10/07/2025	17:26	LB137449

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LLICV01	Aluminum	19.3	20.0	97	80 - 120	P	10/07/2025	17:29	LB137449
	Antimony	2.16	2.0	108	80 - 120	P	10/07/2025	17:29	LB137449
	Arsenic	1.04	1.0	104	80 - 120	P	10/07/2025	17:29	LB137449
	Barium	9.85	10.0	98	80 - 120	P	10/07/2025	17:29	LB137449
	Beryllium	1.09	1.0	109	80 - 120	P	10/07/2025	17:29	LB137449
	Cadmium	1.00	1.0	100	80 - 120	P	10/07/2025	17:29	LB137449
	Calcium	482	500	96	80 - 120	P	10/07/2025	17:29	LB137449
	Chromium	1.96	2.0	98	80 - 120	P	10/07/2025	17:29	LB137449
	Cobalt	1.04	1.0	104	80 - 120	P	10/07/2025	17:29	LB137449
	Copper	1.79	2.0	90	80 - 120	P	10/07/2025	17:29	LB137449
	Iron	53.2	50.0	106	80 - 120	P	10/07/2025	17:29	LB137449
	Lead	0.85	1.0	85	80 - 120	P	10/07/2025	17:29	LB137449
	Magnesium	456	500	91	80 - 120	P	10/07/2025	17:29	LB137449
	Manganese	1.02	1.0	102	80 - 120	P	10/07/2025	17:29	LB137449
	Nickel	0.95	1.0	95	80 - 120	P	10/07/2025	17:29	LB137449
	Potassium	499	500	100	80 - 120	P	10/07/2025	17:29	LB137449
	Selenium	5.68	5.0	114	80 - 120	P	10/07/2025	17:29	LB137449
	Silver	1.13	1.0	113	80 - 120	P	10/07/2025	17:29	LB137449
	Sodium	489	500	98	80 - 120	P	10/07/2025	17:29	LB137449
	Thallium	0.99	1.0	99	80 - 120	P	10/07/2025	17:29	LB137449
	Vanadium	4.83	5.0	97	80 - 120	P	10/07/2025	17:29	LB137449
	Zinc	4.29	5.0	86	80 - 120	P	10/07/2025	17:29	LB137449

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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	47600	50000	95	90 - 110	P	10/07/2025	17:42	LB137449
	Antimony	520	500	104	90 - 110	P	10/07/2025	17:42	LB137449
	Arsenic	490	500	98	90 - 110	P	10/07/2025	17:42	LB137449
	Barium	2580	2500	103	90 - 110	P	10/07/2025	17:42	LB137449
	Beryllium	516	500	103	90 - 110	P	10/07/2025	17:42	LB137449
	Cadmium	509	500	102	90 - 110	P	10/07/2025	17:42	LB137449
	Calcium	241000	250000	96	90 - 110	P	10/07/2025	17:42	LB137449
	Chromium	501	500	100	90 - 110	P	10/07/2025	17:42	LB137449
	Cobalt	497	500	99	90 - 110	P	10/07/2025	17:42	LB137449
	Copper	4930	5000	99	90 - 110	P	10/07/2025	17:42	LB137449
	Iron	126000	125000	101	90 - 110	P	10/07/2025	17:42	LB137449
	Lead	2550	2500	102	90 - 110	P	10/07/2025	17:42	LB137449
	Magnesium	239000	250000	96	90 - 110	P	10/07/2025	17:42	LB137449
	Manganese	4960	5000	99	90 - 110	P	10/07/2025	17:42	LB137449
	Nickel	500	500	100	90 - 110	P	10/07/2025	17:42	LB137449
	Potassium	124000	125000	99	90 - 110	P	10/07/2025	17:42	LB137449
	Selenium	484	500	97	90 - 110	P	10/07/2025	17:42	LB137449
	Silver	523	500	105	90 - 110	P	10/07/2025	17:42	LB137449
	Sodium	244000	250000	98	90 - 110	P	10/07/2025	17:42	LB137449
	Thallium	512	500	102	90 - 110	P	10/07/2025	17:42	LB137449
	Vanadium	503	500	100	90 - 110	P	10/07/2025	17:42	LB137449
	Zinc	4790	5000	96	90 - 110	P	10/07/2025	17:42	LB137449
CCV02	Aluminum	48000	50000	96	90 - 110	P	10/07/2025	18:19	LB137449
	Antimony	520	500	104	90 - 110	P	10/07/2025	18:19	LB137449
	Arsenic	495	500	99	90 - 110	P	10/07/2025	18:19	LB137449
	Barium	2590	2500	104	90 - 110	P	10/07/2025	18:19	LB137449
	Beryllium	510	500	102	90 - 110	P	10/07/2025	18:19	LB137449
	Cadmium	514	500	103	90 - 110	P	10/07/2025	18:19	LB137449
	Calcium	243000	250000	97	90 - 110	P	10/07/2025	18:19	LB137449
	Chromium	498	500	100	90 - 110	P	10/07/2025	18:19	LB137449
	Cobalt	504	500	101	90 - 110	P	10/07/2025	18:19	LB137449
	Copper	4920	5000	98	90 - 110	P	10/07/2025	18:19	LB137449
	Iron	126000	125000	101	90 - 110	P	10/07/2025	18:19	LB137449
	Lead	2590	2500	104	90 - 110	P	10/07/2025	18:19	LB137449

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CCV02	Magnesium	239000	250000	96	90 - 110	P	10/07/2025	18:19	LB137449
	Manganese	4950	5000	99	90 - 110	P	10/07/2025	18:19	LB137449
	Nickel	494	500	99	90 - 110	P	10/07/2025	18:19	LB137449
	Potassium	124000	125000	99	90 - 110	P	10/07/2025	18:19	LB137449
	Selenium	494	500	99	90 - 110	P	10/07/2025	18:19	LB137449
	Silver	518	500	104	90 - 110	P	10/07/2025	18:19	LB137449
	Sodium	246000	250000	98	90 - 110	P	10/07/2025	18:19	LB137449
	Thallium	523	500	105	90 - 110	P	10/07/2025	18:19	LB137449
	Vanadium	503	500	100	90 - 110	P	10/07/2025	18:19	LB137449
	Zinc	4810	5000	96	90 - 110	P	10/07/2025	18:19	LB137449
CCV03	Aluminum	48700	50000	97	90 - 110	P	10/07/2025	18:57	LB137449
	Antimony	524	500	105	90 - 110	P	10/07/2025	18:57	LB137449
	Arsenic	485	500	97	90 - 110	P	10/07/2025	18:57	LB137449
	Barium	2610	2500	104	90 - 110	P	10/07/2025	18:57	LB137449
	Beryllium	509	500	102	90 - 110	P	10/07/2025	18:57	LB137449
	Cadmium	506	500	101	90 - 110	P	10/07/2025	18:57	LB137449
	Calcium	240000	250000	96	90 - 110	P	10/07/2025	18:57	LB137449
	Chromium	504	500	101	90 - 110	P	10/07/2025	18:57	LB137449
	Cobalt	500	500	100	90 - 110	P	10/07/2025	18:57	LB137449
	Copper	5000	5000	100	90 - 110	P	10/07/2025	18:57	LB137449
	Iron	127000	125000	102	90 - 110	P	10/07/2025	18:57	LB137449
	Lead	2520	2500	101	90 - 110	P	10/07/2025	18:57	LB137449
	Magnesium	242000	250000	97	90 - 110	P	10/07/2025	18:57	LB137449
	Manganese	5000	5000	100	90 - 110	P	10/07/2025	18:57	LB137449
	Nickel	497	500	99	90 - 110	P	10/07/2025	18:57	LB137449
	Potassium	125000	125000	100	90 - 110	P	10/07/2025	18:57	LB137449
	Selenium	481	500	96	90 - 110	P	10/07/2025	18:57	LB137449
	Silver	519	500	104	90 - 110	P	10/07/2025	18:57	LB137449
	Sodium	247000	250000	99	90 - 110	P	10/07/2025	18:57	LB137449
	Thallium	512	500	102	90 - 110	P	10/07/2025	18:57	LB137449
	Vanadium	502	500	100	90 - 110	P	10/07/2025	18:57	LB137449
	Zinc	4830	5000	97	90 - 110	P	10/07/2025	18:57	LB137449