

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder

SDG No.: Q3155

Contract: POWE02

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
ICV40	Mercury	3.91	4.0	98	90 - 110	CV	09/23/2025	09:04	LB137272

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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
CCV20	Mercury	5.01	5.0	100	90 - 110	CV	09/23/2025	09:09	LB137272
CCV21	Mercury	4.91	5.0	98	90 - 110	CV	09/23/2025	09:40	LB137272
CCV22	Mercury	4.99	5.0	100	90 - 110	CV	09/23/2025	10:12	LB137272
CCV23	Mercury	4.98	5.0	100	90 - 110	CV	09/23/2025	10:22	LB137272

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Client: Kleinfelder

SDG No.: Q3155

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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	7750	8000	97	90 - 110	P	09/24/2025	11:34	LB137295
	Antimony	4020	4000	101	90 - 110	P	09/24/2025	11:34	LB137295
	Arsenic	3850	4000	96	90 - 110	P	09/24/2025	11:34	LB137295
	Barium	7680	8000	96	90 - 110	P	09/24/2025	11:34	LB137295
	Beryllium	193	200	97	90 - 110	P	09/24/2025	11:34	LB137295
	Boron	3780	4000	95	90 - 110	P	09/24/2025	11:34	LB137295
	Cadmium	1900	2000	95	90 - 110	P	09/24/2025	11:34	LB137295
	Chromium	801	800	100	90 - 110	P	09/24/2025	11:34	LB137295
	Cobalt	1920	2000	96	90 - 110	P	09/24/2025	11:34	LB137295
	Copper	985	1000	98	90 - 110	P	09/24/2025	11:34	LB137295
	Iron	3960	4000	99	90 - 110	P	09/24/2025	11:34	LB137295
	Lead	3720	4000	93	90 - 110	P	09/24/2025	11:34	LB137295
	Manganese	1910	2000	96	90 - 110	P	09/24/2025	11:34	LB137295
	Molybdenum	3990	4000	100	90 - 110	P	09/24/2025	11:34	LB137295
	Nickel	1920	2000	96	90 - 110	P	09/24/2025	11:34	LB137295
	Selenium	3870	4000	97	90 - 110	P	09/24/2025	11:34	LB137295
	Silver	1000	1000	100	90 - 110	P	09/24/2025	11:34	LB137295
	Thallium	3780	4000	95	90 - 110	P	09/24/2025	11:34	LB137295
	Vanadium	1930	2000	97	90 - 110	P	09/24/2025	11:34	LB137295
	Zinc	1990	2000	99	90 - 110	P	09/24/2025	11:34	LB137295

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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	101	100	101	80 - 120	P	09/24/2025	11:44	LB137295
	Antimony	53.5	50.0	107	80 - 120	P	09/24/2025	11:44	LB137295
	Arsenic	23.2	20.0	116	80 - 120	P	09/24/2025	11:44	LB137295
	Barium	97.3	100	97	80 - 120	P	09/24/2025	11:44	LB137295
	Beryllium	6.24	6.0	104	80 - 120	P	09/24/2025	11:44	LB137295
	Boron	99.4	100	99	80 - 120	P	09/24/2025	11:44	LB137295
	Cadmium	6.05	6.0	101	80 - 120	P	09/24/2025	11:44	LB137295
	Chromium	10.6	10.0	106	80 - 120	P	09/24/2025	11:44	LB137295
	Cobalt	30.3	30.0	101	80 - 120	P	09/24/2025	11:44	LB137295
	Copper	21.7	20.0	108	80 - 120	P	09/24/2025	11:44	LB137295
	Iron	115	100	115	80 - 120	P	09/24/2025	11:44	LB137295
	Lead	11.9	12.0	99	80 - 120	P	09/24/2025	11:44	LB137295
	Manganese	20.9	20.0	104	80 - 120	P	09/24/2025	11:44	LB137295
	Molybdenum	209	200	104	80 - 120	P	09/24/2025	11:44	LB137295
	Nickel	41.6	40.0	104	80 - 120	P	09/24/2025	11:44	LB137295
	Selenium	23.9	20.0	120	80 - 120	P	09/24/2025	11:44	LB137295
	Silver	11.8	10.0	118	80 - 120	P	09/24/2025	11:44	LB137295
	Thallium	37.8	40.0	94	80 - 120	P	09/24/2025	11:44	LB137295
	Vanadium	44.6	40.0	112	80 - 120	P	09/24/2025	11:44	LB137295
	Zinc	46.1	40.0	115	80 - 120	P	09/24/2025	11:44	LB137295

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SDG No.: Q3155

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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	10000	10000	100	90 - 110	P	09/24/2025	12:21	LB137295
	Antimony	5160	5000	103	90 - 110	P	09/24/2025	12:21	LB137295
	Arsenic	4990	5000	100	90 - 110	P	09/24/2025	12:21	LB137295
	Barium	9720	10000	97	90 - 110	P	09/24/2025	12:21	LB137295
	Beryllium	246	250	98	90 - 110	P	09/24/2025	12:21	LB137295
	Boron	4860	5000	97	90 - 110	P	09/24/2025	12:21	LB137295
	Cadmium	2450	2500	98	90 - 110	P	09/24/2025	12:21	LB137295
	Chromium	1020	1000	102	90 - 110	P	09/24/2025	12:21	LB137295
	Cobalt	2450	2500	98	90 - 110	P	09/24/2025	12:21	LB137295
	Copper	1240	1250	99	90 - 110	P	09/24/2025	12:21	LB137295
	Iron	5200	5000	104	90 - 110	P	09/24/2025	12:21	LB137295
	Lead	4870	5000	97	90 - 110	P	09/24/2025	12:21	LB137295
	Manganese	2470	2500	99	90 - 110	P	09/24/2025	12:21	LB137295
	Molybdenum	5180	5000	104	90 - 110	P	09/24/2025	12:21	LB137295
	Nickel	2450	2500	98	90 - 110	P	09/24/2025	12:21	LB137295
	Selenium	5040	5000	101	90 - 110	P	09/24/2025	12:21	LB137295
	Silver	1270	1250	101	90 - 110	P	09/24/2025	12:21	LB137295
	Thallium	4570	5000	92	90 - 110	P	09/24/2025	12:21	LB137295
	Vanadium	2510	2500	100	90 - 110	P	09/24/2025	12:21	LB137295
	Zinc	2570	2500	103	90 - 110	P	09/24/2025	12:21	LB137295
CCV02	Aluminum	10100	10000	101	90 - 110	P	09/24/2025	13:40	LB137295
	Antimony	5260	5000	105	90 - 110	P	09/24/2025	13:40	LB137295
	Arsenic	5130	5000	103	90 - 110	P	09/24/2025	13:40	LB137295
	Barium	9830	10000	98	90 - 110	P	09/24/2025	13:40	LB137295
	Beryllium	256	250	102	90 - 110	P	09/24/2025	13:40	LB137295
	Boron	4980	5000	100	90 - 110	P	09/24/2025	13:40	LB137295
	Cadmium	2490	2500	100	90 - 110	P	09/24/2025	13:40	LB137295
	Chromium	1040	1000	104	90 - 110	P	09/24/2025	13:40	LB137295
	Cobalt	2490	2500	99	90 - 110	P	09/24/2025	13:40	LB137295
	Copper	1260	1250	101	90 - 110	P	09/24/2025	13:40	LB137295
	Iron	5020	5000	100	90 - 110	P	09/24/2025	13:40	LB137295
	Lead	4950	5000	99	90 - 110	P	09/24/2025	13:40	LB137295
	Manganese	2450	2500	98	90 - 110	P	09/24/2025	13:40	LB137295
	Molybdenum	5320	5000	106	90 - 110	P	09/24/2025	13:40	LB137295

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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	Nickel	2490	2500	100	90 - 110	P	09/24/2025	13:40	LB137295
	Selenium	5200	5000	104	90 - 110	P	09/24/2025	13:40	LB137295
	Silver	1270	1250	102	90 - 110	P	09/24/2025	13:40	LB137295
	Thallium	5010	5000	100	90 - 110	P	09/24/2025	13:40	LB137295
	Vanadium	2510	2500	100	90 - 110	P	09/24/2025	13:40	LB137295
	Zinc	2510	2500	100	90 - 110	P	09/24/2025	13:40	LB137295
CCV03	Aluminum	9940	10000	99	90 - 110	P	09/24/2025	14:42	LB137295
	Antimony	5080	5000	102	90 - 110	P	09/24/2025	14:42	LB137295
	Arsenic	4900	5000	98	90 - 110	P	09/24/2025	14:42	LB137295
	Barium	9580	10000	96	90 - 110	P	09/24/2025	14:42	LB137295
	Beryllium	255	250	102	90 - 110	P	09/24/2025	14:42	LB137295
	Boron	5010	5000	100	90 - 110	P	09/24/2025	14:42	LB137295
	Cadmium	2400	2500	96	90 - 110	P	09/24/2025	14:42	LB137295
	Chromium	1020	1000	102	90 - 110	P	09/24/2025	14:42	LB137295
	Cobalt	2390	2500	96	90 - 110	P	09/24/2025	14:42	LB137295
	Copper	1210	1250	97	90 - 110	P	09/24/2025	14:42	LB137295
	Iron	4740	5000	95	90 - 110	P	09/24/2025	14:42	LB137295
	Lead	4760	5000	95	90 - 110	P	09/24/2025	14:42	LB137295
	Manganese	2400	2500	96	90 - 110	P	09/24/2025	14:42	LB137295
	Molybdenum	5210	5000	104	90 - 110	P	09/24/2025	14:42	LB137295
	Nickel	2390	2500	96	90 - 110	P	09/24/2025	14:42	LB137295
	Selenium	4960	5000	99	90 - 110	P	09/24/2025	14:42	LB137295
	Silver	1230	1250	98	90 - 110	P	09/24/2025	14:42	LB137295
	Thallium	4990	5000	100	90 - 110	P	09/24/2025	14:42	LB137295
	Vanadium	2470	2500	99	90 - 110	P	09/24/2025	14:42	LB137295
	Zinc	2360	2500	94	90 - 110	P	09/24/2025	14:42	LB137295
CCV04	Aluminum	9910	10000	99	90 - 110	P	09/24/2025	15:41	LB137295
	Antimony	5280	5000	106	90 - 110	P	09/24/2025	15:41	LB137295
	Arsenic	5110	5000	102	90 - 110	P	09/24/2025	15:41	LB137295
	Barium	9490	10000	95	90 - 110	P	09/24/2025	15:41	LB137295
	Beryllium	253	250	101	90 - 110	P	09/24/2025	15:41	LB137295
	Boron	4930	5000	99	90 - 110	P	09/24/2025	15:41	LB137295
	Cadmium	2470	2500	99	90 - 110	P	09/24/2025	15:41	LB137295
	Chromium	1030	1000	103	90 - 110	P	09/24/2025	15:41	LB137295

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Cobalt	2460	2500	98	90 - 110	P	09/24/2025	15:41	LB137295
	Copper	1250	1250	100	90 - 110	P	09/24/2025	15:41	LB137295
	Iron	4960	5000	99	90 - 110	P	09/24/2025	15:41	LB137295
	Lead	4910	5000	98	90 - 110	P	09/24/2025	15:41	LB137295
	Manganese	2400	2500	96	90 - 110	P	09/24/2025	15:41	LB137295
	Molybdenum	5340	5000	107	90 - 110	P	09/24/2025	15:41	LB137295
	Nickel	2470	2500	99	90 - 110	P	09/24/2025	15:41	LB137295
	Selenium	5190	5000	104	90 - 110	P	09/24/2025	15:41	LB137295
	Silver	1260	1250	101	90 - 110	P	09/24/2025	15:41	LB137295
	Thallium	5040	5000	101	90 - 110	P	09/24/2025	15:41	LB137295
	Vanadium	2480	2500	99	90 - 110	P	09/24/2025	15:41	LB137295
	Zinc	2460	2500	99	90 - 110	P	09/24/2025	15:41	LB137295
CCV05	Aluminum	10000	10000	100	90 - 110	P	09/24/2025	16:31	LB137295
	Antimony	5360	5000	107	90 - 110	P	09/24/2025	16:31	LB137295
	Arsenic	5200	5000	104	90 - 110	P	09/24/2025	16:31	LB137295
	Barium	9770	10000	98	90 - 110	P	09/24/2025	16:31	LB137295
	Beryllium	261	250	104	90 - 110	P	09/24/2025	16:31	LB137295
	Boron	5090	5000	102	90 - 110	P	09/24/2025	16:31	LB137295
	Cadmium	2520	2500	101	90 - 110	P	09/24/2025	16:31	LB137295
	Chromium	1050	1000	105	90 - 110	P	09/24/2025	16:31	LB137295
	Cobalt	2500	2500	100	90 - 110	P	09/24/2025	16:31	LB137295
	Copper	1280	1250	102	90 - 110	P	09/24/2025	16:31	LB137295
	Iron	4990	5000	100	90 - 110	P	09/24/2025	16:31	LB137295
	Lead	5000	5000	100	90 - 110	P	09/24/2025	16:31	LB137295
	Manganese	2450	2500	98	90 - 110	P	09/24/2025	16:31	LB137295
	Molybdenum	5370	5000	107	90 - 110	P	09/24/2025	16:31	LB137295
	Nickel	2510	2500	101	90 - 110	P	09/24/2025	16:31	LB137295
	Selenium	5310	5000	106	90 - 110	P	09/24/2025	16:31	LB137295
	Silver	1280	1250	102	90 - 110	P	09/24/2025	16:31	LB137295
	Thallium	5130	5000	103	90 - 110	P	09/24/2025	16:31	LB137295
	Vanadium	2510	2500	101	90 - 110	P	09/24/2025	16:31	LB137295
	Zinc	2540	2500	102	90 - 110	P	09/24/2025	16:31	LB137295
CCV06	Aluminum	10000	10000	100	90 - 110	P	09/24/2025	17:33	LB137295
	Antimony	5170	5000	103	90 - 110	P	09/24/2025	17:33	LB137295

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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
CCV06	Arsenic	5040	5000	101	90 - 110	P	09/24/2025	17:33	LB137295
	Barium	9650	10000	96	90 - 110	P	09/24/2025	17:33	LB137295
	Beryllium	265	250	106	90 - 110	P	09/24/2025	17:33	LB137295
	Boron	5140	5000	103	90 - 110	P	09/24/2025	17:33	LB137295
	Cadmium	2460	2500	98	90 - 110	P	09/24/2025	17:33	LB137295
	Chromium	1040	1000	104	90 - 110	P	09/24/2025	17:33	LB137295
	Cobalt	2450	2500	98	90 - 110	P	09/24/2025	17:33	LB137295
	Copper	1240	1250	99	90 - 110	P	09/24/2025	17:33	LB137295
	Iron	4900	5000	98	90 - 110	P	09/24/2025	17:33	LB137295
	Lead	4890	5000	98	90 - 110	P	09/24/2025	17:33	LB137295
	Manganese	2430	2500	97	90 - 110	P	09/24/2025	17:33	LB137295
	Molybdenum	5290	5000	106	90 - 110	P	09/24/2025	17:33	LB137295
	Nickel	2460	2500	98	90 - 110	P	09/24/2025	17:33	LB137295
	Selenium	5120	5000	102	90 - 110	P	09/24/2025	17:33	LB137295
	Silver	1270	1250	102	90 - 110	P	09/24/2025	17:33	LB137295
	Thallium	4830	5000	97	90 - 110	P	09/24/2025	17:33	LB137295
	Vanadium	2510	2500	100	90 - 110	P	09/24/2025	17:33	LB137295
	Zinc	2710	2500	108	90 - 110	P	09/24/2025	17:33	LB137295
CCV07	Aluminum	9820	10000	98	90 - 110	P	09/24/2025	18:37	LB137295
	Antimony	5150	5000	103	90 - 110	P	09/24/2025	18:37	LB137295
	Arsenic	5030	5000	101	90 - 110	P	09/24/2025	18:37	LB137295
	Barium	9460	10000	95	90 - 110	P	09/24/2025	18:37	LB137295
	Beryllium	256	250	102	90 - 110	P	09/24/2025	18:37	LB137295
	Boron	4980	5000	100	90 - 110	P	09/24/2025	18:37	LB137295
	Cadmium	2420	2500	97	90 - 110	P	09/24/2025	18:37	LB137295
	Chromium	1020	1000	102	90 - 110	P	09/24/2025	18:37	LB137295
	Cobalt	2420	2500	97	90 - 110	P	09/24/2025	18:37	LB137295
	Copper	1230	1250	98	90 - 110	P	09/24/2025	18:37	LB137295
	Iron	4850	5000	97	90 - 110	P	09/24/2025	18:37	LB137295
	Lead	4820	5000	96	90 - 110	P	09/24/2025	18:37	LB137295
	Manganese	2370	2500	95	90 - 110	P	09/24/2025	18:37	LB137295
	Molybdenum	5270	5000	105	90 - 110	P	09/24/2025	18:37	LB137295
	Nickel	2420	2500	97	90 - 110	P	09/24/2025	18:37	LB137295
	Selenium	5120	5000	102	90 - 110	P	09/24/2025	18:37	LB137295

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1250	1250	100	90 - 110	P	09/24/2025	18:37	LB137295
	Thallium	5170	5000	103	90 - 110	P	09/24/2025	18:37	LB137295
	Vanadium	2470	2500	99	90 - 110	P	09/24/2025	18:37	LB137295
	Zinc	2500	2500	100	90 - 110	P	09/24/2025	18:37	LB137295
CCV08	Aluminum	9850	10000	98	90 - 110	P	09/24/2025	19:03	LB137295
	Antimony	5280	5000	106	90 - 110	P	09/24/2025	19:03	LB137295
	Arsenic	5170	5000	103	90 - 110	P	09/24/2025	19:03	LB137295
	Barium	9540	10000	95	90 - 110	P	09/24/2025	19:03	LB137295
	Beryllium	259	250	104	90 - 110	P	09/24/2025	19:03	LB137295
	Boron	5040	5000	101	90 - 110	P	09/24/2025	19:03	LB137295
	Cadmium	2480	2500	99	90 - 110	P	09/24/2025	19:03	LB137295
	Chromium	1030	1000	103	90 - 110	P	09/24/2025	19:03	LB137295
	Cobalt	2470	2500	99	90 - 110	P	09/24/2025	19:03	LB137295
	Copper	1260	1250	101	90 - 110	P	09/24/2025	19:03	LB137295
	Iron	4890	5000	98	90 - 110	P	09/24/2025	19:03	LB137295
	Lead	4920	5000	98	90 - 110	P	09/24/2025	19:03	LB137295
	Manganese	2380	2500	95	90 - 110	P	09/24/2025	19:03	LB137295
	Molybdenum	5330	5000	107	90 - 110	P	09/24/2025	19:03	LB137295
	Nickel	2480	2500	99	90 - 110	P	09/24/2025	19:03	LB137295
	Selenium	5270	5000	105	90 - 110	P	09/24/2025	19:03	LB137295
	Silver	1270	1250	102	90 - 110	P	09/24/2025	19:03	LB137295
	Thallium	5110	5000	102	90 - 110	P	09/24/2025	19:03	LB137295
	Vanadium	2480	2500	99	90 - 110	P	09/24/2025	19:03	LB137295
	Zinc	2540	2500	102	90 - 110	P	09/24/2025	19:03	LB137295