

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382
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
ICV31	Mercury	4.08	4.0	102	90 - 110	CV	12/26/2024	13:10	LB134086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382
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
CCV67	Mercury	5.09	5.0	102	90 - 110	CV	12/26/2024	13:15	LB134086
CCV68	Mercury	5.06	5.0	101	90 - 110	CV	12/26/2024	13:52	LB134086
CCV69	Mercury	5.11	5.0	102	90 - 110	CV	12/26/2024	14:12	LB134086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5382
Contract: POWE02 Lab Code: CHEM Case No.: P5382 SAS No.: P5382
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	2460	2500	98	90 - 110	P	12/30/2024	14:20	LB134129
	Antimony	971	1000	97	90 - 110	P	12/30/2024	14:20	LB134129
	Arsenic	1020	1000	102	90 - 110	P	12/30/2024	14:20	LB134129
	Barium	491	520	94	90 - 110	P	12/30/2024	14:20	LB134129
	Beryllium	488	510	96	90 - 110	P	12/30/2024	14:20	LB134129
	Boron	2320	2500	93	90 - 110	P	12/30/2024	14:20	LB134129
	Cadmium	511	510	100	90 - 110	P	12/30/2024	14:20	LB134129
	Chromium	536	520	103	90 - 110	P	12/30/2024	14:20	LB134129
	Cobalt	517	520	99	90 - 110	P	12/30/2024	14:20	LB134129
	Copper	517	510	102	90 - 110	P	12/30/2024	14:20	LB134129
	Iron	10300	10000	103	90 - 110	P	12/30/2024	14:20	LB134129
	Lead	1010	1000	101	90 - 110	P	12/30/2024	14:20	LB134129
	Manganese	501	520	96	90 - 110	P	12/30/2024	14:20	LB134129
	Molybdenum	2460	2500	98	90 - 110	P	12/30/2024	14:20	LB134129
	Nickel	519	530	98	90 - 110	P	12/30/2024	14:20	LB134129
	Selenium	989	1000	99	90 - 110	P	12/30/2024	14:20	LB134129
	Silver	259	250	104	90 - 110	P	12/30/2024	14:20	LB134129
	Thallium	1020	1000	102	90 - 110	P	12/30/2024	14:20	LB134129
	Vanadium	478	500	96	90 - 110	P	12/30/2024	14:20	LB134129
	Zinc	1040	1000	104	90 - 110	P	12/30/2024	14:20	LB134129

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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
LLICV01	Aluminum	105	100	105	80 - 120	P	12/30/2024	14:24	LB134129
	Antimony	48.7	50.0	97	80 - 120	P	12/30/2024	14:24	LB134129
	Arsenic	20.7	20.0	104	80 - 120	P	12/30/2024	14:24	LB134129
	Barium	92.2	100	92	80 - 120	P	12/30/2024	14:24	LB134129
	Beryllium	5.77	6.0	96	80 - 120	P	12/30/2024	14:24	LB134129
	Boron	112	100	112	80 - 120	P	12/30/2024	14:24	LB134129
	Cadmium	6.21	6.0	104	80 - 120	P	12/30/2024	14:24	LB134129
	Chromium	9.47	10.0	95	80 - 120	P	12/30/2024	14:24	LB134129
	Cobalt	29.8	30.0	99	80 - 120	P	12/30/2024	14:24	LB134129
	Copper	21.6	20.0	108	80 - 120	P	12/30/2024	14:24	LB134129
	Iron	90.5	100	90	80 - 120	P	12/30/2024	14:24	LB134129
	Lead	11.3	12.0	94	80 - 120	P	12/30/2024	14:24	LB134129
	Manganese	19.5	20.0	98	80 - 120	P	12/30/2024	14:24	LB134129
	Molybdenum	197	200	98	80 - 120	P	12/30/2024	14:24	LB134129
	Nickel	40.1	40.0	100	80 - 120	P	12/30/2024	14:24	LB134129
	Selenium	18.4	20.0	92	80 - 120	P	12/30/2024	14:24	LB134129
	Silver	10.2	10.0	102	80 - 120	P	12/30/2024	14:24	LB134129
	Thallium	38.3	40.0	96	80 - 120	P	12/30/2024	14:24	LB134129
	Vanadium	38.4	40.0	96	80 - 120	P	12/30/2024	14:24	LB134129
	Zinc	42.2	40.0	105	80 - 120	P	12/30/2024	14:24	LB134129

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Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382
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	9360	10000	94	90 - 110	P	12/30/2024	14:49	LB134129
	Antimony	4670	5000	94	90 - 110	P	12/30/2024	14:49	LB134129
	Arsenic	4640	5000	93	90 - 110	P	12/30/2024	14:49	LB134129
	Barium	9260	10000	93	90 - 110	P	12/30/2024	14:49	LB134129
	Beryllium	244	250	98	90 - 110	P	12/30/2024	14:49	LB134129
	Boron	4850	5000	97	90 - 110	P	12/30/2024	14:49	LB134129
	Cadmium	2370	2500	95	90 - 110	P	12/30/2024	14:49	LB134129
	Chromium	972	1000	97	90 - 110	P	12/30/2024	14:49	LB134129
	Cobalt	2360	2500	95	90 - 110	P	12/30/2024	14:49	LB134129
	Copper	1180	1250	94	90 - 110	P	12/30/2024	14:49	LB134129
	Iron	4690	5000	94	90 - 110	P	12/30/2024	14:49	LB134129
	Lead	4730	5000	95	90 - 110	P	12/30/2024	14:49	LB134129
	Manganese	2360	2500	94	90 - 110	P	12/30/2024	14:49	LB134129
	Molybdenum	4730	5000	95	90 - 110	P	12/30/2024	14:49	LB134129
	Nickel	2370	2500	95	90 - 110	P	12/30/2024	14:49	LB134129
	Selenium	4610	5000	92	90 - 110	P	12/30/2024	14:49	LB134129
	Silver	1200	1250	96	90 - 110	P	12/30/2024	14:49	LB134129
	Thallium	4530	5000	91	90 - 110	P	12/30/2024	14:49	LB134129
	Vanadium	2350	2500	94	90 - 110	P	12/30/2024	14:49	LB134129
	Zinc	2400	2500	96	90 - 110	P	12/30/2024	14:49	LB134129
CCV02	Aluminum	9460	10000	95	90 - 110	P	12/30/2024	15:19	LB134129
	Antimony	4790	5000	96	90 - 110	P	12/30/2024	15:19	LB134129
	Arsenic	4750	5000	95	90 - 110	P	12/30/2024	15:19	LB134129
	Barium	9410	10000	94	90 - 110	P	12/30/2024	15:19	LB134129
	Beryllium	247	250	99	90 - 110	P	12/30/2024	15:19	LB134129
	Boron	4860	5000	97	90 - 110	P	12/30/2024	15:19	LB134129
	Cadmium	2440	2500	98	90 - 110	P	12/30/2024	15:19	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	15:19	LB134129
	Cobalt	2420	2500	97	90 - 110	P	12/30/2024	15:19	LB134129
	Copper	1200	1250	96	90 - 110	P	12/30/2024	15:19	LB134129
	Iron	4960	5000	99	90 - 110	P	12/30/2024	15:19	LB134129
	Lead	4860	5000	97	90 - 110	P	12/30/2024	15:19	LB134129
	Manganese	2390	2500	96	90 - 110	P	12/30/2024	15:19	LB134129
	Molybdenum	4850	5000	97	90 - 110	P	12/30/2024	15:19	LB134129

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Client: Kleinfelder **SDG No.:** P5382
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382
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	Nickel	2430	2500	97	90 - 110	P	12/30/2024	15:19	LB134129
	Selenium	4750	5000	95	90 - 110	P	12/30/2024	15:19	LB134129
	Silver	1240	1250	99	90 - 110	P	12/30/2024	15:19	LB134129
	Thallium	4930	5000	99	90 - 110	P	12/30/2024	15:19	LB134129
	Vanadium	2400	2500	96	90 - 110	P	12/30/2024	15:19	LB134129
	Zinc	2460	2500	98	90 - 110	P	12/30/2024	15:19	LB134129
CCV03	Aluminum	9260	10000	93	90 - 110	P	12/30/2024	16:12	LB134129
	Antimony	4910	5000	98	90 - 110	P	12/30/2024	16:12	LB134129
	Arsenic	4850	5000	97	90 - 110	P	12/30/2024	16:12	LB134129
	Barium	9200	10000	92	90 - 110	P	12/30/2024	16:12	LB134129
	Beryllium	242	250	97	90 - 110	P	12/30/2024	16:12	LB134129
	Boron	4750	5000	95	90 - 110	P	12/30/2024	16:12	LB134129
	Cadmium	2460	2500	98	90 - 110	P	12/30/2024	16:12	LB134129
	Chromium	980	1000	98	90 - 110	P	12/30/2024	16:12	LB134129
	Cobalt	2410	2500	96	90 - 110	P	12/30/2024	16:12	LB134129
	Copper	1210	1250	97	90 - 110	P	12/30/2024	16:12	LB134129
	Iron	4740	5000	95	90 - 110	P	12/30/2024	16:12	LB134129
	Lead	4830	5000	97	90 - 110	P	12/30/2024	16:12	LB134129
	Manganese	2330	2500	93	90 - 110	P	12/30/2024	16:12	LB134129
	Molybdenum	4790	5000	96	90 - 110	P	12/30/2024	16:12	LB134129
	Nickel	2420	2500	97	90 - 110	P	12/30/2024	16:12	LB134129
	Selenium	4960	5000	99	90 - 110	P	12/30/2024	16:12	LB134129
	Silver	1200	1250	96	90 - 110	P	12/30/2024	16:12	LB134129
	Thallium	4810	5000	96	90 - 110	P	12/30/2024	16:12	LB134129
	Vanadium	2350	2500	94	90 - 110	P	12/30/2024	16:12	LB134129
	Zinc	2370	2500	95	90 - 110	P	12/30/2024	16:12	LB134129
CCV04	Aluminum	9370	10000	94	90 - 110	P	12/30/2024	17:04	LB134129
	Antimony	4880	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Arsenic	4780	5000	96	90 - 110	P	12/30/2024	17:04	LB134129
	Barium	9090	10000	91	90 - 110	P	12/30/2024	17:04	LB134129
	Beryllium	257	250	103	90 - 110	P	12/30/2024	17:04	LB134129
	Boron	4920	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Cadmium	2520	2500	101	90 - 110	P	12/30/2024	17:04	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	17:04	LB134129

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Client: Kleinfelder **SDG No.:** P5382
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382
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	Cobalt	2440	2500	98	90 - 110	P	12/30/2024	17:04	LB134129
	Copper	1190	1250	95	90 - 110	P	12/30/2024	17:04	LB134129
	Iron	4750	5000	95	90 - 110	P	12/30/2024	17:04	LB134129
	Lead	4900	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Manganese	2350	2500	94	90 - 110	P	12/30/2024	17:04	LB134129
	Molybdenum	4780	5000	96	90 - 110	P	12/30/2024	17:04	LB134129
	Nickel	2450	2500	98	90 - 110	P	12/30/2024	17:04	LB134129
	Selenium	4930	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Silver	1220	1250	97	90 - 110	P	12/30/2024	17:04	LB134129
	Thallium	4840	5000	97	90 - 110	P	12/30/2024	17:04	LB134129
	Vanadium	2390	2500	96	90 - 110	P	12/30/2024	17:04	LB134129
	Zinc	2400	2500	96	90 - 110	P	12/30/2024	17:04	LB134129
CCV05	Aluminum	9420	10000	94	90 - 110	P	12/30/2024	17:54	LB134129
	Antimony	4930	5000	99	90 - 110	P	12/30/2024	17:54	LB134129
	Arsenic	4790	5000	96	90 - 110	P	12/30/2024	17:54	LB134129
	Barium	9080	10000	91	90 - 110	P	12/30/2024	17:54	LB134129
	Beryllium	257	250	103	90 - 110	P	12/30/2024	17:54	LB134129
	Boron	4960	5000	99	90 - 110	P	12/30/2024	17:54	LB134129
	Cadmium	2520	2500	101	90 - 110	P	12/30/2024	17:54	LB134129
	Chromium	999	1000	100	90 - 110	P	12/30/2024	17:54	LB134129
	Cobalt	2430	2500	97	90 - 110	P	12/30/2024	17:54	LB134129
	Copper	1200	1250	96	90 - 110	P	12/30/2024	17:54	LB134129
	Iron	4740	5000	95	90 - 110	P	12/30/2024	17:54	LB134129
	Lead	4900	5000	98	90 - 110	P	12/30/2024	17:54	LB134129
	Manganese	2360	2500	94	90 - 110	P	12/30/2024	17:54	LB134129
	Molybdenum	4790	5000	96	90 - 110	P	12/30/2024	17:54	LB134129
	Nickel	2440	2500	98	90 - 110	P	12/30/2024	17:54	LB134129
	Selenium	4950	5000	99	90 - 110	P	12/30/2024	17:54	LB134129
	Silver	1220	1250	98	90 - 110	P	12/30/2024	17:54	LB134129
	Thallium	4800	5000	96	90 - 110	P	12/30/2024	17:54	LB134129
	Vanadium	2390	2500	96	90 - 110	P	12/30/2024	17:54	LB134129
	Zinc	2410	2500	96	90 - 110	P	12/30/2024	17:54	LB134129
CCV06	Aluminum	9560	10000	96	90 - 110	P	12/30/2024	18:44	LB134129
	Antimony	4900	5000	98	90 - 110	P	12/30/2024	18:44	LB134129

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P5382
Contract: POWE02 Lab Code: CHEM Case No.: P5382 SAS No.: P5382
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
CCV06	Arsenic	4710	5000	94	90 - 110	P	12/30/2024	18:44	LB134129
	Barium	9140	10000	91	90 - 110	P	12/30/2024	18:44	LB134129
	Beryllium	263	250	105	90 - 110	P	12/30/2024	18:44	LB134129
	Boron	5080	5000	102	90 - 110	P	12/30/2024	18:44	LB134129
	Cadmium	2490	2500	100	90 - 110	P	12/30/2024	18:44	LB134129
	Chromium	996	1000	100	90 - 110	P	12/30/2024	18:44	LB134129
	Cobalt	2410	2500	96	90 - 110	P	12/30/2024	18:44	LB134129
	Copper	1180	1250	94	90 - 110	P	12/30/2024	18:44	LB134129
	Iron	4670	5000	93	90 - 110	P	12/30/2024	18:44	LB134129
	Lead	4840	5000	97	90 - 110	P	12/30/2024	18:44	LB134129
	Manganese	2380	2500	95	90 - 110	P	12/30/2024	18:44	LB134129
	Molybdenum	4760	5000	95	90 - 110	P	12/30/2024	18:44	LB134129
	Nickel	2410	2500	96	90 - 110	P	12/30/2024	18:44	LB134129
	Selenium	4910	5000	98	90 - 110	P	12/30/2024	18:44	LB134129
	Silver	1220	1250	98	90 - 110	P	12/30/2024	18:44	LB134129
	Thallium	4790	5000	96	90 - 110	P	12/30/2024	18:44	LB134129
	Vanadium	2410	2500	96	90 - 110	P	12/30/2024	18:44	LB134129
	Zinc	2400	2500	96	90 - 110	P	12/30/2024	18:44	LB134129
CCV07	Aluminum	9400	10000	94	90 - 110	P	12/30/2024	19:24	LB134129
	Antimony	4920	5000	98	90 - 110	P	12/30/2024	19:24	LB134129
	Arsenic	4710	5000	94	90 - 110	P	12/30/2024	19:24	LB134129
	Barium	9770	10000	98	90 - 110	P	12/30/2024	19:24	LB134129
	Beryllium	271	250	108	90 - 110	P	12/30/2024	19:24	LB134129
	Boron	5190	5000	104	90 - 110	P	12/30/2024	19:24	LB134129
	Cadmium	2530	2500	101	90 - 110	P	12/30/2024	19:24	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	19:24	LB134129
	Cobalt	2420	2500	97	90 - 110	P	12/30/2024	19:24	LB134129
	Copper	1180	1250	94	90 - 110	P	12/30/2024	19:24	LB134129
	Iron	4610	5000	92	90 - 110	P	12/30/2024	19:24	LB134129
	Lead	4870	5000	97	90 - 110	P	12/30/2024	19:24	LB134129
	Manganese	2380	2500	95	90 - 110	P	12/30/2024	19:24	LB134129
	Molybdenum	4720	5000	94	90 - 110	P	12/30/2024	19:24	LB134129
	Nickel	2420	2500	97	90 - 110	P	12/30/2024	19:24	LB134129
	Selenium	4970	5000	99	90 - 110	P	12/30/2024	19:24	LB134129

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Client: Kleinfelder **SDG No.:** P5382
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382
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
CCV07	Silver	1220	1250	97	90 - 110	P	12/30/2024	19:24	LB134129
	Thallium	4740	5000	95	90 - 110	P	12/30/2024	19:24	LB134129
	Vanadium	2400	2500	96	90 - 110	P	12/30/2024	19:24	LB134129
	Zinc	2370	2500	95	90 - 110	P	12/30/2024	19:24	LB134129
