

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q1697

Contract: JACO05 Lab Code: CHEM Case No.: Q1697 SAS No.: Q1697

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
ICV01	Aluminum	500	500	100	90 - 110	P	04/03/2025	15:26	LB135293
	Antimony	199	200	99	90 - 110	P	04/03/2025	15:26	LB135293
	Arsenic	205	200	102	90 - 110	P	04/03/2025	15:26	LB135293
	Barium	98.1	100	98	90 - 110	P	04/03/2025	15:26	LB135293
	Beryllium	105	100	105	90 - 110	P	04/03/2025	15:26	LB135293
	Cadmium	101	100	101	90 - 110	P	04/03/2025	15:26	LB135293
	Chromium	103	100	103	90 - 110	P	04/03/2025	15:26	LB135293
	Copper	98.1	100	98	90 - 110	P	04/03/2025	15:26	LB135293
	Iron	2070	2000	104	90 - 110	P	04/03/2025	15:26	LB135293
	Lead	194	200	97	90 - 110	P	04/03/2025	15:26	LB135293
	Magnesium	1210	1200	101	90 - 110	P	04/03/2025	15:26	LB135293
	Manganese	103	100	103	90 - 110	P	04/03/2025	15:26	LB135293
	Potassium	1830	2000	92	90 - 110	P	04/03/2025	15:26	LB135293
	Selenium	204	200	102	90 - 110	P	04/03/2025	15:26	LB135293
	Sodium	2100	2000	105	90 - 110	P	04/03/2025	15:26	LB135293

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LLICV	Aluminum	18.6	20.0	93	80 - 120	P	04/03/2025	15:50	LB135293
	Antimony	2.05	2.0	102	80 - 120	P	04/03/2025	15:50	LB135293
	Arsenic	1.02	1.0	102	80 - 120	P	04/03/2025	15:50	LB135293
	Barium	10.0	10.0	100	80 - 120	P	04/03/2025	15:50	LB135293
	Beryllium	1.12	1.0	112	80 - 120	P	04/03/2025	15:50	LB135293
	Cadmium	1.11	1.0	111	80 - 120	P	04/03/2025	15:50	LB135293
	Chromium	1.87	2.0	94	80 - 120	P	04/03/2025	15:50	LB135293
	Copper	1.82	2.0	91	80 - 120	P	04/03/2025	15:50	LB135293
	Iron	48.6	50.0	97	80 - 120	P	04/03/2025	15:50	LB135293
	Lead	0.96	1.0	96	80 - 120	P	04/03/2025	15:50	LB135293
	Magnesium	521	500	104	80 - 120	P	04/03/2025	15:50	LB135293
	Manganese	0.87	1.0	87	80 - 120	P	04/03/2025	15:50	LB135293
	Potassium	434	500	87	80 - 120	P	04/03/2025	15:50	LB135293
	Selenium	5.45	5.0	109	80 - 120	P	04/03/2025	15:50	LB135293
	Sodium	543	500	108	80 - 120	P	04/03/2025	15:50	LB135293

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Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1697 **SAS No.:** Q1697

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
CCV01	Aluminum	51600	50000	103	90 - 110	P	04/03/2025	16:35	LB135293
	Antimony	492	500	98	90 - 110	P	04/03/2025	16:35	LB135293
	Arsenic	485	500	97	90 - 110	P	04/03/2025	16:35	LB135293
	Barium	2470	2500	99	90 - 110	P	04/03/2025	16:35	LB135293
	Beryllium	510	500	102	90 - 110	P	04/03/2025	16:35	LB135293
	Cadmium	490	500	98	90 - 110	P	04/03/2025	16:35	LB135293
	Chromium	498	500	100	90 - 110	P	04/03/2025	16:35	LB135293
	Copper	4560	5000	91	90 - 110	P	04/03/2025	16:35	LB135293
	Iron	123000	125000	99	90 - 110	P	04/03/2025	16:35	LB135293
	Lead	2460	2500	98	90 - 110	P	04/03/2025	16:35	LB135293
	Magnesium	252000	250000	101	90 - 110	P	04/03/2025	16:35	LB135293
	Manganese	5010	5000	100	90 - 110	P	04/03/2025	16:35	LB135293
	Potassium	114000	125000	91	90 - 110	P	04/03/2025	16:35	LB135293
	Selenium	471	500	94	90 - 110	P	04/03/2025	16:35	LB135293
	Sodium	256000	250000	102	90 - 110	P	04/03/2025	16:35	LB135293
CCV02	Aluminum	51100	50000	102	90 - 110	P	04/03/2025	17:16	LB135293
	Antimony	485	500	97	90 - 110	P	04/03/2025	17:16	LB135293
	Arsenic	477	500	96	90 - 110	P	04/03/2025	17:16	LB135293
	Barium	2430	2500	97	90 - 110	P	04/03/2025	17:16	LB135293
	Beryllium	508	500	102	90 - 110	P	04/03/2025	17:16	LB135293
	Cadmium	481	500	96	90 - 110	P	04/03/2025	17:16	LB135293
	Chromium	494	500	99	90 - 110	P	04/03/2025	17:16	LB135293
	Copper	4570	5000	91	90 - 110	P	04/03/2025	17:16	LB135293
	Iron	123000	125000	99	90 - 110	P	04/03/2025	17:16	LB135293
	Lead	2450	2500	98	90 - 110	P	04/03/2025	17:16	LB135293
	Magnesium	253000	250000	101	90 - 110	P	04/03/2025	17:16	LB135293
	Manganese	4980	5000	100	90 - 110	P	04/03/2025	17:16	LB135293
	Potassium	113000	125000	90	90 - 110	P	04/03/2025	17:16	LB135293
	Selenium	472	500	94	90 - 110	P	04/03/2025	17:16	LB135293
	Sodium	254000	250000	102	90 - 110	P	04/03/2025	17:16	LB135293
CCV03	Aluminum	51900	50000	104	90 - 110	P	04/03/2025	17:52	LB135293
	Antimony	499	500	100	90 - 110	P	04/03/2025	17:52	LB135293
	Arsenic	481	500	96	90 - 110	P	04/03/2025	17:52	LB135293
	Barium	2450	2500	98	90 - 110	P	04/03/2025	17:52	LB135293

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CCV03	Beryllium	528	500	106	90 - 110	P	04/03/2025	17:52	LB135293
	Cadmium	495	500	99	90 - 110	P	04/03/2025	17:52	LB135293
	Chromium	503	500	100	90 - 110	P	04/03/2025	17:52	LB135293
	Copper	4650	5000	93	90 - 110	P	04/03/2025	17:52	LB135293
	Iron	126000	125000	100	90 - 110	P	04/03/2025	17:52	LB135293
	Lead	2510	2500	100	90 - 110	P	04/03/2025	17:52	LB135293
	Magnesium	253000	250000	101	90 - 110	P	04/03/2025	17:52	LB135293
	Manganese	5060	5000	101	90 - 110	P	04/03/2025	17:52	LB135293
	Potassium	122000	125000	98	90 - 110	P	04/03/2025	17:52	LB135293
	Selenium	477	500	95	90 - 110	P	04/03/2025	17:52	LB135293
	Sodium	254000	250000	102	90 - 110	P	04/03/2025	17:52	LB135293