

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008
Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008
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
ICV08	Mercury	3.70	4.0	93	90 - 110	CV	05/14/2025	11:42	LB135763

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

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
CCV22	Mercury	4.97	5.0	100	90 - 110	CV	05/14/2025	11:46	LB135763
CCV23	Mercury	5.44	5.0	109	90 - 110	CV	05/14/2025	12:24	LB135763
CCV24	Mercury	5.50	5.0	110	90 - 110	CV	05/14/2025	12:51	LB135763
CCV25	Mercury	4.82	5.0	96	90 - 110	CV	05/14/2025	13:28	LB135763
CCV26	Mercury	5.14	5.0	103	90 - 110	CV	05/14/2025	13:55	LB135763
CCV27	Mercury	4.71	5.0	94	90 - 110	CV	05/14/2025	14:23	LB135763
CCV28	Mercury	4.80	5.0	96	90 - 110	CV	05/14/2025	14:39	LB135763
CCV29	Mercury	5.15	5.0	103	90 - 110	CV	05/14/2025	14:57	LB135763

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2008
Contract: JACO05 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008
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	2350	2500	94	90 - 110	P	05/14/2025	13:24	LB135778
	Antimony	990	1000	99	90 - 110	P	05/14/2025	13:24	LB135778
	Arsenic	984	1000	98	90 - 110	P	05/14/2025	13:24	LB135778
	Barium	487	520	94	90 - 110	P	05/14/2025	13:24	LB135778
	Beryllium	497	510	98	90 - 110	P	05/14/2025	13:24	LB135778
	Cadmium	489	510	96	90 - 110	P	05/14/2025	13:24	LB135778
	Calcium	9150	10000	92	90 - 110	P	05/14/2025	13:24	LB135778
	Chromium	508	520	98	90 - 110	P	05/14/2025	13:24	LB135778
	Cobalt	482	520	93	90 - 110	P	05/14/2025	13:24	LB135778
	Copper	504	510	99	90 - 110	P	05/14/2025	13:24	LB135778
	Iron	10300	10000	104	90 - 110	P	05/14/2025	13:24	LB135778
	Lead	962	1000	96	90 - 110	P	05/14/2025	13:24	LB135778
	Magnesium	5880	6000	98	90 - 110	P	05/14/2025	13:24	LB135778
	Manganese	471	520	91	90 - 110	P	05/14/2025	13:24	LB135778
	Nickel	484	530	91	90 - 110	P	05/14/2025	13:24	LB135778
	Potassium	10700	9900	108	90 - 110	P	05/14/2025	13:24	LB135778
	Selenium	1010	1000	101	90 - 110	P	05/14/2025	13:24	LB135778
	Silver	272	250	109	90 - 110	P	05/14/2025	13:24	LB135778
	Sodium	10500	10000	105	90 - 110	P	05/14/2025	13:24	LB135778
	Thallium	1010	1000	101	95 - 105	P	05/14/2025	13:24	LB135778
	Vanadium	460	500	92	90 - 110	P	05/14/2025	13:24	LB135778
	Zinc	1010	1000	101	90 - 110	P	05/14/2025	13:24	LB135778

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2008
Contract: JACO05 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008
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	100	100	100	80 - 120	P	05/14/2025	13:34	LB135778
	Antimony	52.2	50.0	104	80 - 120	P	05/14/2025	13:34	LB135778
	Arsenic	19.8	20.0	99	80 - 120	P	05/14/2025	13:34	LB135778
	Barium	92.3	100	92	80 - 120	P	05/14/2025	13:34	LB135778
	Beryllium	6.20	6.0	103	80 - 120	P	05/14/2025	13:34	LB135778
	Cadmium	6.13	6.0	102	80 - 120	P	05/14/2025	13:34	LB135778
	Calcium	2030	2000	102	80 - 120	P	05/14/2025	13:34	LB135778
	Chromium	9.42	10.0	94	80 - 120	P	05/14/2025	13:34	LB135778
	Cobalt	28.7	30.0	96	80 - 120	P	05/14/2025	13:34	LB135778
	Copper	22.6	20.0	113	80 - 120	P	05/14/2025	13:34	LB135778
	Iron	93.7	100	94	80 - 120	P	05/14/2025	13:34	LB135778
	Lead	12.3	12.0	103	80 - 120	P	05/14/2025	13:34	LB135778
	Magnesium	2080	2000	104	80 - 120	P	05/14/2025	13:34	LB135778
	Manganese	20.9	20.0	105	80 - 120	P	05/14/2025	13:34	LB135778
	Nickel	39.1	40.0	98	80 - 120	P	05/14/2025	13:34	LB135778
	Potassium	1890	2000	95	80 - 120	P	05/14/2025	13:34	LB135778
	Selenium	23.4	20.0	117	80 - 120	P	05/14/2025	13:34	LB135778
	Silver	9.52	10.0	95	80 - 120	P	05/14/2025	13:34	LB135778
	Sodium	1880	2000	94	80 - 120	P	05/14/2025	13:34	LB135778
	Thallium	39.9	40.0	100	80 - 120	P	05/14/2025	13:34	LB135778
	Vanadium	40.8	40.0	102	80 - 120	P	05/14/2025	13:34	LB135778
	Zinc	41.6	40.0	104	80 - 120	P	05/14/2025	13:34	LB135778

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Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

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	9980	10000	100	90 - 110	P	05/14/2025	14:51	LB135778
	Antimony	4930	5000	99	90 - 110	P	05/14/2025	14:51	LB135778
	Arsenic	4860	5000	97	90 - 110	P	05/14/2025	14:51	LB135778
	Barium	9640	10000	96	90 - 110	P	05/14/2025	14:51	LB135778
	Beryllium	243	250	97	90 - 110	P	05/14/2025	14:51	LB135778
	Cadmium	2410	2500	96	90 - 110	P	05/14/2025	14:51	LB135778
	Calcium	24400	25000	98	90 - 110	P	05/14/2025	14:51	LB135778
	Chromium	979	1000	98	90 - 110	P	05/14/2025	14:51	LB135778
	Cobalt	2430	2500	97	90 - 110	P	05/14/2025	14:51	LB135778
	Copper	1230	1250	99	90 - 110	P	05/14/2025	14:51	LB135778
	Iron	4840	5000	97	90 - 110	P	05/14/2025	14:51	LB135778
	Lead	4840	5000	97	90 - 110	P	05/14/2025	14:51	LB135778
	Magnesium	24000	25000	96	90 - 110	P	05/14/2025	14:51	LB135778
	Manganese	2450	2500	98	90 - 110	P	05/14/2025	14:51	LB135778
	Nickel	2430	2500	97	90 - 110	P	05/14/2025	14:51	LB135778
	Potassium	24400	25000	97	90 - 110	P	05/14/2025	14:51	LB135778
	Selenium	4900	5000	98	90 - 110	P	05/14/2025	14:51	LB135778
	Silver	1220	1250	97	90 - 110	P	05/14/2025	14:51	LB135778
	Sodium	24800	25000	99	90 - 110	P	05/14/2025	14:51	LB135778
	Thallium	5040	5000	101	90 - 110	P	05/14/2025	14:51	LB135778
	Vanadium	2470	2500	99	90 - 110	P	05/14/2025	14:51	LB135778
	Zinc	2450	2500	98	90 - 110	P	05/14/2025	14:51	LB135778
CCV02	Aluminum	9710	10000	97	90 - 110	P	05/14/2025	15:53	LB135778
	Antimony	5020	5000	100	90 - 110	P	05/14/2025	15:53	LB135778
	Arsenic	4980	5000	100	90 - 110	P	05/14/2025	15:53	LB135778
	Barium	9410	10000	94	90 - 110	P	05/14/2025	15:53	LB135778
	Beryllium	229	250	92	90 - 110	P	05/14/2025	15:53	LB135778
	Cadmium	2430	2500	97	90 - 110	P	05/14/2025	15:53	LB135778
	Calcium	23700	25000	95	90 - 110	P	05/14/2025	15:53	LB135778
	Chromium	977	1000	98	90 - 110	P	05/14/2025	15:53	LB135778
	Cobalt	2440	2500	98	90 - 110	P	05/14/2025	15:53	LB135778
	Copper	1250	1250	100	90 - 110	P	05/14/2025	15:53	LB135778
	Iron	5010	5000	100	90 - 110	P	05/14/2025	15:53	LB135778
	Lead	4880	5000	98	90 - 110	P	05/14/2025	15:53	LB135778

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Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

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	Magnesium	23200	25000	93	90 - 110	P	05/14/2025	15:53	LB135778
	Manganese	2360	2500	94	90 - 110	P	05/14/2025	15:53	LB135778
	Nickel	2440	2500	98	90 - 110	P	05/14/2025	15:53	LB135778
	Potassium	25300	25000	101	90 - 110	P	05/14/2025	15:53	LB135778
	Selenium	5010	5000	100	90 - 110	P	05/14/2025	15:53	LB135778
	Silver	1210	1250	97	90 - 110	P	05/14/2025	15:53	LB135778
	Sodium	26200	25000	105	90 - 110	P	05/14/2025	15:53	LB135778
	Thallium	5080	5000	102	90 - 110	P	05/14/2025	15:53	LB135778
	Vanadium	2410	2500	96	90 - 110	P	05/14/2025	15:53	LB135778
	Zinc	2450	2500	98	90 - 110	P	05/14/2025	15:53	LB135778
CCV03	Aluminum	9750	10000	98	90 - 110	P	05/14/2025	16:44	LB135778
	Antimony	4910	5000	98	90 - 110	P	05/14/2025	16:44	LB135778
	Arsenic	4820	5000	96	90 - 110	P	05/14/2025	16:44	LB135778
	Barium	9260	10000	93	90 - 110	P	05/14/2025	16:44	LB135778
	Beryllium	240	250	96	90 - 110	P	05/14/2025	16:44	LB135778
	Cadmium	2390	2500	96	90 - 110	P	05/14/2025	16:44	LB135778
	Calcium	23700	25000	95	90 - 110	P	05/14/2025	16:44	LB135778
	Chromium	988	1000	99	90 - 110	P	05/14/2025	16:44	LB135778
	Cobalt	2400	2500	96	90 - 110	P	05/14/2025	16:44	LB135778
	Copper	1220	1250	98	90 - 110	P	05/14/2025	16:44	LB135778
	Iron	4820	5000	96	90 - 110	P	05/14/2025	16:44	LB135778
	Lead	4800	5000	96	90 - 110	P	05/14/2025	16:44	LB135778
	Magnesium	23400	25000	94	90 - 110	P	05/14/2025	16:44	LB135778
	Manganese	2350	2500	94	90 - 110	P	05/14/2025	16:44	LB135778
	Nickel	2400	2500	96	90 - 110	P	05/14/2025	16:44	LB135778
	Potassium	24400	25000	98	90 - 110	P	05/14/2025	16:44	LB135778
	Selenium	4840	5000	97	90 - 110	P	05/14/2025	16:44	LB135778
	Silver	1210	1250	97	90 - 110	P	05/14/2025	16:44	LB135778
	Sodium	25200	25000	101	90 - 110	P	05/14/2025	16:44	LB135778
	Thallium	4970	5000	99	90 - 110	P	05/14/2025	16:44	LB135778
	Vanadium	2400	2500	96	90 - 110	P	05/14/2025	16:44	LB135778
	Zinc	2450	2500	98	90 - 110	P	05/14/2025	16:44	LB135778
CCV04	Aluminum	9660	10000	97	90 - 110	P	05/14/2025	18:08	LB135778
	Antimony	4880	5000	98	90 - 110	P	05/14/2025	18:08	LB135778

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2008
Contract: JACO05 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008
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	Arsenic	4830	5000	97	90 - 110	P	05/14/2025	18:08	LB135778
	Barium	9330	10000	93	90 - 110	P	05/14/2025	18:08	LB135778
	Beryllium	231	250	92	90 - 110	P	05/14/2025	18:08	LB135778
	Cadmium	2420	2500	97	90 - 110	P	05/14/2025	18:08	LB135778
	Calcium	23800	25000	95	90 - 110	P	05/14/2025	18:08	LB135778
	Chromium	995	1000	100	90 - 110	P	05/14/2025	18:08	LB135778
	Cobalt	2420	2500	97	90 - 110	P	05/14/2025	18:08	LB135778
	Copper	1220	1250	98	90 - 110	P	05/14/2025	18:08	LB135778
	Iron	4990	5000	100	90 - 110	P	05/14/2025	18:08	LB135778
	Lead	4840	5000	97	90 - 110	P	05/14/2025	18:08	LB135778
	Magnesium	23400	25000	94	90 - 110	P	05/14/2025	18:08	LB135778
	Manganese	2370	2500	95	90 - 110	P	05/14/2025	18:08	LB135778
	Nickel	2430	2500	97	90 - 110	P	05/14/2025	18:08	LB135778
	Potassium	25000	25000	100	90 - 110	P	05/14/2025	18:08	LB135778
	Selenium	4860	5000	97	90 - 110	P	05/14/2025	18:08	LB135778
	Silver	1220	1250	98	90 - 110	P	05/14/2025	18:08	LB135778
	Sodium	25600	25000	102	90 - 110	P	05/14/2025	18:08	LB135778
	Thallium	4910	5000	98	90 - 110	P	05/14/2025	18:08	LB135778
	Vanadium	2400	2500	96	90 - 110	P	05/14/2025	18:08	LB135778
	Zinc	2460	2500	98	90 - 110	P	05/14/2025	18:08	LB135778
CCV05	Aluminum	9540	10000	95	90 - 110	P	05/14/2025	19:21	LB135778
	Antimony	4830	5000	97	90 - 110	P	05/14/2025	19:21	LB135778
	Arsenic	4790	5000	96	90 - 110	P	05/14/2025	19:21	LB135778
	Barium	9050	10000	90	90 - 110	P	05/14/2025	19:21	LB135778
	Beryllium	233	250	93	90 - 110	P	05/14/2025	19:21	LB135778
	Cadmium	2430	2500	97	90 - 110	P	05/14/2025	19:21	LB135778
	Calcium	23500	25000	94	90 - 110	P	05/14/2025	19:21	LB135778
	Chromium	992	1000	99	90 - 110	P	05/14/2025	19:21	LB135778
	Cobalt	2410	2500	97	90 - 110	P	05/14/2025	19:21	LB135778
	Copper	1200	1250	96	90 - 110	P	05/14/2025	19:21	LB135778
	Iron	4830	5000	97	90 - 110	P	05/14/2025	19:21	LB135778
	Lead	4830	5000	96	90 - 110	P	05/14/2025	19:21	LB135778
	Magnesium	23300	25000	93	90 - 110	P	05/14/2025	19:21	LB135778
	Manganese	2310	2500	92	90 - 110	P	05/14/2025	19:21	LB135778

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2008
 Contract: JACO05 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008
 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
CCV05	Nickel	2440	2500	98	90 - 110	P	05/14/2025	19:21	LB135778
	Potassium	24200	25000	97	90 - 110	P	05/14/2025	19:21	LB135778
	Selenium	4850	5000	97	90 - 110	P	05/14/2025	19:21	LB135778
	Silver	1210	1250	97	90 - 110	P	05/14/2025	19:21	LB135778
	Sodium	25000	25000	100	90 - 110	P	05/14/2025	19:21	LB135778
	Thallium	4960	5000	99	90 - 110	P	05/14/2025	19:21	LB135778
	Vanadium	2380	2500	95	90 - 110	P	05/14/2025	19:21	LB135778
	Zinc	2420	2500	97	90 - 110	P	05/14/2025	19:21	LB135778

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Client: JACOBS Engineering Group, Inc. SDG No.: Q2008
Contract: JACO05 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008
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	2430	2500	97	90 - 110	P	05/15/2025	13:37	LB135794
	Antimony	991	1000	99	90 - 110	P	05/15/2025	13:37	LB135794
	Arsenic	997	1000	100	90 - 110	P	05/15/2025	13:37	LB135794
	Barium	515	520	99	90 - 110	P	05/15/2025	13:37	LB135794
	Beryllium	480	510	94	90 - 110	P	05/15/2025	13:37	LB135794
	Cadmium	500	510	98	90 - 110	P	05/15/2025	13:37	LB135794
	Calcium	9530	10000	95	90 - 110	P	05/15/2025	13:37	LB135794
	Chromium	506	520	97	90 - 110	P	05/15/2025	13:37	LB135794
	Cobalt	492	520	95	90 - 110	P	05/15/2025	13:37	LB135794
	Copper	508	510	100	90 - 110	P	05/15/2025	13:37	LB135794
	Iron	9530	10000	95	90 - 110	P	05/15/2025	13:37	LB135794
	Lead	989	1000	99	90 - 110	P	05/15/2025	13:37	LB135794
	Magnesium	5580	6000	93	90 - 110	P	05/15/2025	13:37	LB135794
	Manganese	492	520	94	90 - 110	P	05/15/2025	13:37	LB135794
	Nickel	494	530	93	90 - 110	P	05/15/2025	13:37	LB135794
	Potassium	9270	9900	94	90 - 110	P	05/15/2025	13:37	LB135794
	Selenium	1020	1000	102	90 - 110	P	05/15/2025	13:37	LB135794
	Silver	237	250	95	90 - 110	P	05/15/2025	13:37	LB135794
	Sodium	9880	10000	99	90 - 110	P	05/15/2025	13:37	LB135794
	Thallium	1030	1000	103	90 - 110	P	05/15/2025	13:37	LB135794
	Vanadium	474	500	95	90 - 110	P	05/15/2025	13:37	LB135794
	Zinc	1000	1000	100	90 - 110	P	05/15/2025	13:37	LB135794

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Contract: JACO05 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008
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	104	100	104	80 - 120	P	05/15/2025	13:42	LB135794
	Antimony	53.7	50.0	107	80 - 120	P	05/15/2025	13:42	LB135794
	Arsenic	23.2	20.0	116	80 - 120	P	05/15/2025	13:42	LB135794
	Barium	95.7	100	96	80 - 120	P	05/15/2025	13:42	LB135794
	Beryllium	5.98	6.0	100	80 - 120	P	05/15/2025	13:42	LB135794
	Cadmium	6.08	6.0	101	80 - 120	P	05/15/2025	13:42	LB135794
	Calcium	2010	2000	100	80 - 120	P	05/15/2025	13:42	LB135794
	Chromium	9.66	10.0	97	80 - 120	P	05/15/2025	13:42	LB135794
	Cobalt	29.2	30.0	97	80 - 120	P	05/15/2025	13:42	LB135794
	Copper	22.6	20.0	113	80 - 120	P	05/15/2025	13:42	LB135794
	Iron	98.5	100	98	80 - 120	P	05/15/2025	13:42	LB135794
	Lead	12.2	12.0	102	80 - 120	P	05/15/2025	13:42	LB135794
	Magnesium	2070	2000	103	80 - 120	P	05/15/2025	13:42	LB135794
	Manganese	20.6	20.0	103	80 - 120	P	05/15/2025	13:42	LB135794
	Nickel	39.6	40.0	99	80 - 120	P	05/15/2025	13:42	LB135794
	Potassium	1960	2000	98	80 - 120	P	05/15/2025	13:42	LB135794
	Selenium	20.1	20.0	100	80 - 120	P	05/15/2025	13:42	LB135794
	Silver	10.2	10.0	102	80 - 120	P	05/15/2025	13:42	LB135794
	Sodium	1890	2000	94	80 - 120	P	05/15/2025	13:42	LB135794
	Thallium	42.6	40.0	106	80 - 120	P	05/15/2025	13:42	LB135794
	Vanadium	38.4	40.0	96	80 - 120	P	05/15/2025	13:42	LB135794
	Zinc	42.8	40.0	107	80 - 120	P	05/15/2025	13:42	LB135794

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

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	9930	10000	99	90 - 110	P	05/15/2025	14:18	LB135794
	Antimony	4920	5000	98	90 - 110	P	05/15/2025	14:18	LB135794
	Arsenic	4990	5000	100	90 - 110	P	05/15/2025	14:18	LB135794
	Barium	9620	10000	96	90 - 110	P	05/15/2025	14:18	LB135794
	Beryllium	252	250	101	90 - 110	P	05/15/2025	14:18	LB135794
	Cadmium	2470	2500	99	90 - 110	P	05/15/2025	14:18	LB135794
	Calcium	24700	25000	99	90 - 110	P	05/15/2025	14:18	LB135794
	Chromium	1010	1000	101	90 - 110	P	05/15/2025	14:18	LB135794
	Cobalt	2490	2500	100	90 - 110	P	05/15/2025	14:18	LB135794
	Copper	1250	1250	100	90 - 110	P	05/15/2025	14:18	LB135794
	Iron	4870	5000	97	90 - 110	P	05/15/2025	14:18	LB135794
	Lead	4990	5000	100	90 - 110	P	05/15/2025	14:18	LB135794
	Magnesium	24100	25000	97	90 - 110	P	05/15/2025	14:18	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	14:18	LB135794
	Nickel	2470	2500	99	90 - 110	P	05/15/2025	14:18	LB135794
	Potassium	24200	25000	97	90 - 110	P	05/15/2025	14:18	LB135794
	Selenium	4940	5000	99	90 - 110	P	05/15/2025	14:18	LB135794
	Silver	1240	1250	100	90 - 110	P	05/15/2025	14:18	LB135794
	Sodium	24300	25000	97	90 - 110	P	05/15/2025	14:18	LB135794
	Thallium	4970	5000	99	90 - 110	P	05/15/2025	14:18	LB135794
	Vanadium	2430	2500	97	90 - 110	P	05/15/2025	14:18	LB135794
	Zinc	2530	2500	101	90 - 110	P	05/15/2025	14:18	LB135794
CCV02	Aluminum	9960	10000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Antimony	4950	5000	99	90 - 110	P	05/15/2025	15:05	LB135794
	Arsenic	5050	5000	101	90 - 110	P	05/15/2025	15:05	LB135794
	Barium	9610	10000	96	90 - 110	P	05/15/2025	15:05	LB135794
	Beryllium	249	250	100	90 - 110	P	05/15/2025	15:05	LB135794
	Cadmium	2480	2500	99	90 - 110	P	05/15/2025	15:05	LB135794
	Calcium	24800	25000	99	90 - 110	P	05/15/2025	15:05	LB135794
	Chromium	1010	1000	101	90 - 110	P	05/15/2025	15:05	LB135794
	Cobalt	2510	2500	100	90 - 110	P	05/15/2025	15:05	LB135794
	Copper	1260	1250	101	90 - 110	P	05/15/2025	15:05	LB135794
	Iron	5010	5000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Lead	5030	5000	100	90 - 110	P	05/15/2025	15:05	LB135794

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

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	Magnesium	24200	25000	97	90 - 110	P	05/15/2025	15:05	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	15:05	LB135794
	Nickel	2480	2500	99	90 - 110	P	05/15/2025	15:05	LB135794
	Potassium	24700	25000	99	90 - 110	P	05/15/2025	15:05	LB135794
	Selenium	4980	5000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Silver	1250	1250	100	90 - 110	P	05/15/2025	15:05	LB135794
	Sodium	25000	25000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Thallium	4980	5000	100	90 - 110	P	05/15/2025	15:05	LB135794
	Vanadium	2450	2500	98	90 - 110	P	05/15/2025	15:05	LB135794
	Zinc	2530	2500	101	90 - 110	P	05/15/2025	15:05	LB135794
CCV03	Aluminum	9950	10000	100	90 - 110	P	05/15/2025	15:53	LB135794
	Antimony	4890	5000	98	90 - 110	P	05/15/2025	15:53	LB135794
	Arsenic	4930	5000	98	90 - 110	P	05/15/2025	15:53	LB135794
	Barium	9350	10000	94	90 - 110	P	05/15/2025	15:53	LB135794
	Beryllium	261	250	104	90 - 110	P	05/15/2025	15:53	LB135794
	Cadmium	2430	2500	97	90 - 110	P	05/15/2025	15:53	LB135794
	Calcium	24500	25000	98	90 - 110	P	05/15/2025	15:53	LB135794
	Chromium	995	1000	100	90 - 110	P	05/15/2025	15:53	LB135794
	Cobalt	2460	2500	98	90 - 110	P	05/15/2025	15:53	LB135794
	Copper	1240	1250	99	90 - 110	P	05/15/2025	15:53	LB135794
	Iron	4540	5000	91	90 - 110	P	05/15/2025	15:53	LB135794
	Lead	4930	5000	99	90 - 110	P	05/15/2025	15:53	LB135794
	Magnesium	24100	25000	96	90 - 110	P	05/15/2025	15:53	LB135794
	Manganese	2430	2500	97	90 - 110	P	05/15/2025	15:53	LB135794
	Nickel	2440	2500	98	90 - 110	P	05/15/2025	15:53	LB135794
	Potassium	22700	25000	91	90 - 110	P	05/15/2025	15:53	LB135794
	Selenium	4860	5000	97	90 - 110	P	05/15/2025	15:53	LB135794
	Silver	1220	1250	98	90 - 110	P	05/15/2025	15:53	LB135794
	Sodium	22900	25000	92	90 - 110	P	05/15/2025	15:53	LB135794
	Thallium	4910	5000	98	90 - 110	P	05/15/2025	15:53	LB135794
	Vanadium	2410	2500	96	90 - 110	P	05/15/2025	15:53	LB135794
	Zinc	2460	2500	98	90 - 110	P	05/15/2025	15:53	LB135794
CCV04	Aluminum	9920	10000	99	90 - 110	P	05/15/2025	16:39	LB135794
	Antimony	4830	5000	96	90 - 110	P	05/15/2025	16:39	LB135794

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2008
Contract: JACO05 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008
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	Arsenic	4930	5000	99	90 - 110	P	05/15/2025	16:39	LB135794
	Barium	9520	10000	95	90 - 110	P	05/15/2025	16:39	LB135794
	Beryllium	251	250	100	90 - 110	P	05/15/2025	16:39	LB135794
	Cadmium	2450	2500	98	90 - 110	P	05/15/2025	16:39	LB135794
	Calcium	24500	25000	98	90 - 110	P	05/15/2025	16:39	LB135794
	Chromium	998	1000	100	90 - 110	P	05/15/2025	16:39	LB135794
	Cobalt	2480	2500	99	90 - 110	P	05/15/2025	16:39	LB135794
	Copper	1240	1250	99	90 - 110	P	05/15/2025	16:39	LB135794
	Iron	4680	5000	94	90 - 110	P	05/15/2025	16:39	LB135794
	Lead	4960	5000	99	90 - 110	P	05/15/2025	16:39	LB135794
	Magnesium	23800	25000	95	90 - 110	P	05/15/2025	16:39	LB135794
	Manganese	2420	2500	97	90 - 110	P	05/15/2025	16:39	LB135794
	Nickel	2440	2500	98	90 - 110	P	05/15/2025	16:39	LB135794
	Potassium	23300	25000	93	90 - 110	P	05/15/2025	16:39	LB135794
	Selenium	4830	5000	97	90 - 110	P	05/15/2025	16:39	LB135794
	Silver	1220	1250	98	90 - 110	P	05/15/2025	16:39	LB135794
	Sodium	23400	25000	94	90 - 110	P	05/15/2025	16:39	LB135794
	Thallium	4890	5000	98	90 - 110	P	05/15/2025	16:39	LB135794
	Vanadium	2420	2500	97	90 - 110	P	05/15/2025	16:39	LB135794
	Zinc	2440	2500	97	90 - 110	P	05/15/2025	16:39	LB135794
CCV05	Aluminum	10100	10000	101	90 - 110	P	05/15/2025	17:27	LB135794
	Antimony	4810	5000	96	90 - 110	P	05/15/2025	17:27	LB135794
	Arsenic	4940	5000	99	90 - 110	P	05/15/2025	17:27	LB135794
	Barium	9330	10000	93	90 - 110	P	05/15/2025	17:27	LB135794
	Beryllium	266	250	106	90 - 110	P	05/15/2025	17:27	LB135794
	Cadmium	2470	2500	99	90 - 110	P	05/15/2025	17:27	LB135794
	Calcium	25300	25000	101	90 - 110	P	05/15/2025	17:27	LB135794
	Chromium	1030	1000	103	90 - 110	P	05/15/2025	17:27	LB135794
	Cobalt	2500	2500	100	90 - 110	P	05/15/2025	17:27	LB135794
	Copper	1240	1250	99	90 - 110	P	05/15/2025	17:27	LB135794
	Iron	4850	5000	97	90 - 110	P	05/15/2025	17:27	LB135794
	Lead	5580	5000	112	90 - 110	P	05/15/2025	17:27	LB135794
	Magnesium	24900	25000	100	90 - 110	P	05/15/2025	17:27	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	17:27	LB135794

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2008

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q2008 **SAS No.:** Q2008

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
CCV05	Nickel	2600	2500	104	90 - 110	P	05/15/2025	17:27	LB135794
	Potassium	23300	25000	93	90 - 110	P	05/15/2025	17:27	LB135794
	Selenium	4820	5000	96	90 - 110	P	05/15/2025	17:27	LB135794
	Silver	1260	1250	101	90 - 110	P	05/15/2025	17:27	LB135794
	Sodium	23600	25000	94	90 - 110	P	05/15/2025	17:27	LB135794
	Thallium	4880	5000	98	90 - 110	P	05/15/2025	17:27	LB135794
	Vanadium	2440	2500	98	90 - 110	P	05/15/2025	17:27	LB135794
	Zinc	7780	2500	311	90 - 110	P	05/15/2025	17:27	LB135794
CCV06	Aluminum	9950	10000	100	90 - 110	P	05/15/2025	17:41	LB135794
	Antimony	4800	5000	96	90 - 110	P	05/15/2025	17:41	LB135794
	Arsenic	4900	5000	98	90 - 110	P	05/15/2025	17:41	LB135794
	Barium	9440	10000	94	90 - 110	P	05/15/2025	17:41	LB135794
	Beryllium	263	250	105	90 - 110	P	05/15/2025	17:41	LB135794
	Cadmium	2470	2500	99	90 - 110	P	05/15/2025	17:41	LB135794
	Calcium	25200	25000	101	90 - 110	P	05/15/2025	17:41	LB135794
	Chromium	1020	1000	102	90 - 110	P	05/15/2025	17:41	LB135794
	Cobalt	2490	2500	100	90 - 110	P	05/15/2025	17:41	LB135794
	Copper	1230	1250	98	90 - 110	P	05/15/2025	17:41	LB135794
	Iron	4860	5000	97	90 - 110	P	05/15/2025	17:41	LB135794
	Lead	5000	5000	100	90 - 110	P	05/15/2025	17:41	LB135794
	Magnesium	24600	25000	99	90 - 110	P	05/15/2025	17:41	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	17:41	LB135794
	Nickel	2460	2500	98	90 - 110	P	05/15/2025	17:41	LB135794
	Potassium	23500	25000	94	90 - 110	P	05/15/2025	17:41	LB135794
	Selenium	4790	5000	96	90 - 110	P	05/15/2025	17:41	LB135794
	Silver	1250	1250	100	90 - 110	P	05/15/2025	17:41	LB135794
	Sodium	23600	25000	95	90 - 110	P	05/15/2025	17:41	LB135794
	Thallium	4950	5000	99	90 - 110	P	05/15/2025	17:41	LB135794
	Vanadium	2450	2500	98	90 - 110	P	05/15/2025	17:41	LB135794
	Zinc	2500	2500	100	90 - 110	P	05/15/2025	17:41	LB135794
CCV07	Aluminum	9840	10000	98	90 - 110	P	05/15/2025	18:47	LB135794
	Antimony	4680	5000	94	90 - 110	P	05/15/2025	18:47	LB135794
	Arsenic	4790	5000	96	90 - 110	P	05/15/2025	18:47	LB135794
	Barium	9280	10000	93	90 - 110	P	05/15/2025	18:47	LB135794

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2008
Contract: JACO05 Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008
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	Beryllium	262	250	105	90 - 110	P	05/15/2025	18:47	LB135794
	Cadmium	2440	2500	98	90 - 110	P	05/15/2025	18:47	LB135794
	Calcium	25000	25000	100	90 - 110	P	05/15/2025	18:47	LB135794
	Chromium	1030	1000	103	90 - 110	P	05/15/2025	18:47	LB135794
	Cobalt	2460	2500	99	90 - 110	P	05/15/2025	18:47	LB135794
	Copper	1210	1250	97	90 - 110	P	05/15/2025	18:47	LB135794
	Iron	4790	5000	96	90 - 110	P	05/15/2025	18:47	LB135794
	Lead	4940	5000	99	90 - 110	P	05/15/2025	18:47	LB135794
	Magnesium	24600	25000	98	90 - 110	P	05/15/2025	18:47	LB135794
	Manganese	2450	2500	98	90 - 110	P	05/15/2025	18:47	LB135794
	Nickel	2430	2500	97	90 - 110	P	05/15/2025	18:47	LB135794
	Potassium	23200	25000	93	90 - 110	P	05/15/2025	18:47	LB135794
	Selenium	4640	5000	93	90 - 110	P	05/15/2025	18:47	LB135794
	Silver	1230	1250	99	90 - 110	P	05/15/2025	18:47	LB135794
	Sodium	23200	25000	93	90 - 110	P	05/15/2025	18:47	LB135794
	Thallium	4850	5000	97	90 - 110	P	05/15/2025	18:47	LB135794
	Vanadium	2430	2500	97	90 - 110	P	05/15/2025	18:47	LB135794
	Zinc	2480	2500	99	90 - 110	P	05/15/2025	18:47	LB135794