284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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
ICV92	Mercury	4.28	4.0	107	90 - 110	CV	04/17/2025	12:15	LB135470

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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
CCV85	Mercury	5.27	5.0	106	90 - 110	CV	04/17/2025	12:20	LB135470
CCV86	Mercury	4.65	5.0	93	90 - 110	CV	04/17/2025	12:53	LB135470
CCV87	Mercury	4.90	5.0	98	90 - 110	CV	04/17/2025	13:23	LB135470

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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	483	500	97	90 - 110	P	04/21/2025	15:46	LB135513
	Antimony	201	200	101	90 - 110	P	04/21/2025	15:46	LB135513
	Arsenic	197	200	99	90 - 110	P	04/21/2025	15:46	LB135513
	Barium	96.8	100	97	90 - 110	P	04/21/2025	15:46	LB135513
	Beryllium	103	100	103	90 - 110	P	04/21/2025	15:46	LB135513
	Cadmium	98.8	100	99	90 - 110	P	04/21/2025	15:46	LB135513
	Calcium	1980	2000	99	90 - 110	P	04/21/2025	15:46	LB135513
	Chromium	97.4	100	97	90 - 110	P	04/21/2025	15:46	LB135513
	Cobalt	102	100	102	90 - 110	P	04/21/2025	15:46	LB135513
	Copper	104	100	104	90 - 110	P	04/21/2025	15:46	LB135513
	Iron	2030	2000	102	90 - 110	P	04/21/2025	15:46	LB135513
	Lead	197	200	99	90 - 110	P	04/21/2025	15:46	LB135513
	Magnesium	1170	1200	97	90 - 110	P	04/21/2025	15:46	LB135513
	Manganese	96.8	100	97	90 - 110	P	04/21/2025	15:46	LB135513
	Nickel	101	110	92	90 - 110	P	04/21/2025	15:46	LB135513
	Potassium	1930	2000	96	90 - 110	P	04/21/2025	15:46	LB135513
	Selenium	213	200	106	90 - 110	P	04/21/2025	15:46	LB135513
	Silver	53.5	50.0	107	90 - 110	P	04/21/2025	15:46	LB135513
	Sodium	2090	2000	104	90 - 110	P	04/21/2025	15:46	LB135513
	Thallium	198	210	94	90 - 110	P	04/21/2025	15:46	LB135513
	Vanadium	96.8	100	97	90 - 110	P	04/21/2025	15:46	LB135513
	Zinc	204	200	102	90 - 110	P	04/21/2025	15:46	LB135513

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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
LLICV	Aluminum	22.2	20.0	111	80 - 120	P	04/21/2025	15:54	LB135513
	Antimony	2.04	2.0	102	80 - 120	P	04/21/2025	15:54	LB135513
	Arsenic	1.09	1.0	109	80 - 120	P	04/21/2025	15:54	LB135513
	Barium	10.2	10.0	102	80 - 120	P	04/21/2025	15:54	LB135513
	Beryllium	1.15	1.0	115	80 - 120	P	04/21/2025	15:54	LB135513
	Cadmium	1.06	1.0	106	80 - 120	P	04/21/2025	15:54	LB135513
	Calcium	537	500	107	80 - 120	P	04/21/2025	15:54	LB135513
	Chromium	2.15	2.0	108	80 - 120	P	04/21/2025	15:54	LB135513
	Cobalt	1.13	1.0	113	80 - 120	P	04/21/2025	15:54	LB135513
	Copper	2.34	2.0	117	80 - 120	P	04/21/2025	15:54	LB135513
	Iron	56.9	50.0	114	80 - 120	P	04/21/2025	15:54	LB135513
	Lead	0.99	1.0	99	80 - 120	P	04/21/2025	15:54	LB135513
	Magnesium	571	500	114	80 - 120	P	04/21/2025	15:54	LB135513
	Manganese	1.16	1.0	116	80 - 120	P	04/21/2025	15:54	LB135513
	Nickel	1.08	1.0	108	80 - 120	P	04/21/2025	15:54	LB135513
	Potassium	538	500	108	80 - 120	P	04/21/2025	15:54	LB135513
	Selenium	5.25	5.0	105	80 - 120	P	04/21/2025	15:54	LB135513
	Silver	1.03	1.0	103	80 - 120	P	04/21/2025	15:54	LB135513
	Sodium	571	500	114	80 - 120	P	04/21/2025	15:54	LB135513
	Thallium	0.98	1.0	98	80 - 120	P	04/21/2025	15:54	LB135513
	Vanadium	5.46	5.0	109	80 - 120	P	04/21/2025	15:54	LB135513
	Zinc	5.76	5.0	115	80 - 120	P	04/21/2025	15:54	LB135513

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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	51100	50000	102	90 - 110	P	04/21/2025	16:15	LB135513
	Antimony	495	500	99	90 - 110	P	04/21/2025	16:15	LB135513
	Arsenic	498	500	100	90 - 110	P	04/21/2025	16:15	LB135513
	Barium	2500	2500	100	90 - 110	P	04/21/2025	16:15	LB135513
	Beryllium	522	500	104	90 - 110	P	04/21/2025	16:15	LB135513
	Cadmium	489	500	98	90 - 110	P	04/21/2025	16:15	LB135513
	Calcium	253000	250000	101	90 - 110	P	04/21/2025	16:15	LB135513
	Chromium	501	500	100	90 - 110	P	04/21/2025	16:15	LB135513
	Cobalt	475	500	95	90 - 110	P	04/21/2025	16:15	LB135513
	Copper	4620	5000	92	90 - 110	P	04/21/2025	16:15	LB135513
	Iron	127000	125000	102	90 - 110	P	04/21/2025	16:15	LB135513
	Lead	2530	2500	101	90 - 110	P	04/21/2025	16:15	LB135513
	Magnesium	250000	250000	100	90 - 110	P	04/21/2025	16:15	LB135513
	Manganese	4970	5000	99	90 - 110	P	04/21/2025	16:15	LB135513
	Nickel	481	500	96	90 - 110	P	04/21/2025	16:15	LB135513
	Potassium	126000	125000	101	90 - 110	P	04/21/2025	16:15	LB135513
	Selenium	478	500	96	90 - 110	P	04/21/2025	16:15	LB135513
	Silver	481	500	96	90 - 110	P	04/21/2025	16:15	LB135513
	Sodium	248000	250000	99	90 - 110	P	04/21/2025	16:15	LB135513
	Thallium	505	500	101	90 - 110	P	04/21/2025	16:15	LB135513
	Vanadium	510	500	102	90 - 110	P	04/21/2025	16:15	LB135513
	Zinc	4700	5000	94	90 - 110	P	04/21/2025	16:15	LB135513
CCV02	Aluminum	51600	50000	103	90 - 110	P	04/21/2025	17:01	LB135513
	Antimony	505	500	101	90 - 110	P	04/21/2025	17:01	LB135513
	Arsenic	500	500	100	90 - 110	P	04/21/2025	17:01	LB135513
	Barium	2500	2500	100	90 - 110	P	04/21/2025	17:01	LB135513
	Beryllium	533	500	107	90 - 110	P	04/21/2025	17:01	LB135513
	Cadmium	493	500	99	90 - 110	P	04/21/2025	17:01	LB135513
	Calcium	251000	250000	101	90 - 110	P	04/21/2025	17:01	LB135513
	Chromium	503	500	101	90 - 110	P	04/21/2025	17:01	LB135513
	Cobalt	485	500	97	90 - 110	P	04/21/2025	17:01	LB135513
	Copper	4680	5000	94	90 - 110	P	04/21/2025	17:01	LB135513
	Iron	127000	125000	102	90 - 110	P	04/21/2025	17:01	LB135513
	Lead	2510	2500	100	90 - 110	P	04/21/2025	17:01	LB135513

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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
CCV02	Magnesium	256000	250000	102	90 - 110	P	04/21/2025	17:01	LB135513
	Manganese	4960	5000	99	90 - 110	P	04/21/2025	17:01	LB135513
	Nickel	489	500	98	90 - 110	P	04/21/2025	17:01	LB135513
	Potassium	128000	125000	103	90 - 110	P	04/21/2025	17:01	LB135513
	Selenium	468	500	94	90 - 110	P	04/21/2025	17:01	LB135513
	Silver	489	500	98	90 - 110	P	04/21/2025	17:01	LB135513
	Sodium	257000	250000	103	90 - 110	P	04/21/2025	17:01	LB135513
	Thallium	507	500	102	90 - 110	P	04/21/2025	17:01	LB135513
	Vanadium	514	500	103	90 - 110	P	04/21/2025	17:01	LB135513
	Zinc	4770	5000	95	90 - 110	P	04/21/2025	17:01	LB135513
CCV03	Aluminum	50200	50000	100	90 - 110	P	04/21/2025	17:44	LB135513
	Antimony	484	500	97	90 - 110	P	04/21/2025	17:44	LB135513
	Arsenic	478	500	96	90 - 110	P	04/21/2025	17:44	LB135513
	Barium	2410	2500	96	90 - 110	P	04/21/2025	17:44	LB135513
	Beryllium	530	500	106	90 - 110	P	04/21/2025	17:44	LB135513
	Cadmium	474	500	95	90 - 110	P	04/21/2025	17:44	LB135513
	Calcium	240000	250000	96	90 - 110	P	04/21/2025	17:44	LB135513
	Chromium	484	500	97	90 - 110	P	04/21/2025	17:44	LB135513
	Cobalt	466	500	93	90 - 110	P	04/21/2025	17:44	LB135513
	Copper	4500	5000	90	90 - 110	P	04/21/2025	17:44	LB135513
	Iron	122000	125000	98	90 - 110	P	04/21/2025	17:44	LB135513
	Lead	2420	2500	97	90 - 110	P	04/21/2025	17:44	LB135513
	Magnesium	248000	250000	99	90 - 110	P	04/21/2025	17:44	LB135513
	Manganese	4820	5000	96	90 - 110	P	04/21/2025	17:44	LB135513
	Nickel	461	500	92	90 - 110	P	04/21/2025	17:44	LB135513
	Potassium	123000	125000	98	90 - 110	P	04/21/2025	17:44	LB135513
	Selenium	451	500	90	90 - 110	P	04/21/2025	17:44	LB135513
	Silver	468	500	94	90 - 110	P	04/21/2025	17:44	LB135513
	Sodium	251000	250000	100	90 - 110	P	04/21/2025	17:44	LB135513
	Thallium	485	500	97	90 - 110	P	04/21/2025	17:44	LB135513
	Vanadium	494	500	99	90 - 110	P	04/21/2025	17:44	LB135513
	Zinc	4630	5000	93	90 - 110	P	04/21/2025	17:44	LB135513
CCV04	Aluminum	49800	50000	100	90 - 110	P	04/21/2025	18:18	LB135513
	Antimony	487	500	97	90 - 110	P	04/21/2025	18:18	LB135513

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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
CCV04	Arsenic	481	500	96	90 - 110	P	04/21/2025	18:18	LB135513
	Barium	2430	2500	97	90 - 110	P	04/21/2025	18:18	LB135513
	Beryllium	522	500	104	90 - 110	P	04/21/2025	18:18	LB135513
	Cadmium	477	500	95	90 - 110	P	04/21/2025	18:18	LB135513
	Calcium	242000	250000	97	90 - 110	P	04/21/2025	18:18	LB135513
	Chromium	490	500	98	90 - 110	P	04/21/2025	18:18	LB135513
	Cobalt	476	500	95	90 - 110	P	04/21/2025	18:18	LB135513
	Copper	4580	5000	92	90 - 110	P	04/21/2025	18:18	LB135513
	Iron	125000	125000	100	90 - 110	P	04/21/2025	18:18	LB135513
	Lead	2400	2500	96	90 - 110	P	04/21/2025	18:18	LB135513
	Magnesium	248000	250000	99	90 - 110	P	04/21/2025	18:18	LB135513
	Manganese	4810	5000	96	90 - 110	P	04/21/2025	18:18	LB135513
	Nickel	475	500	95	90 - 110	P	04/21/2025	18:18	LB135513
	Potassium	123000	125000	99	90 - 110	P	04/21/2025	18:18	LB135513
	Selenium	455	500	91	90 - 110	P	04/21/2025	18:18	LB135513
	Silver	472	500	94	90 - 110	P	04/21/2025	18:18	LB135513
	Sodium	251000	250000	100	90 - 110	P	04/21/2025	18:18	LB135513
	Thallium	488	500	98	90 - 110	P	04/21/2025	18:18	LB135513
	Vanadium	502	500	100	90 - 110	P	04/21/2025	18:18	LB135513
	Zinc	4700	5000	94	90 - 110	P	04/21/2025	18:18	LB135513
CCV05	Aluminum	49800	50000	100	90 - 110	P	04/21/2025	18:46	LB135513
	Antimony	479	500	96	90 - 110	P	04/21/2025	18:46	LB135513
	Arsenic	487	500	97	90 - 110	P	04/21/2025	18:46	LB135513
	Barium	2410	2500	96	90 - 110	P	04/21/2025	18:46	LB135513
	Beryllium	533	500	107	90 - 110	P	04/21/2025	18:46	LB135513
	Cadmium	473	500	95	90 - 110	P	04/21/2025	18:46	LB135513
	Calcium	241000	250000	96	90 - 110	P	04/21/2025	18:46	LB135513
	Chromium	493	500	99	90 - 110	P	04/21/2025	18:46	LB135513
	Cobalt	481	500	96	90 - 110	P	04/21/2025	18:46	LB135513
	Copper	4590	5000	92	90 - 110	P	04/21/2025	18:46	LB135513
	Iron	125000	125000	100	90 - 110	P	04/21/2025	18:46	LB135513
	Lead	2440	2500	98	90 - 110	P	04/21/2025	18:46	LB135513
	Magnesium	247000	250000	99	90 - 110	P	04/21/2025	18:46	LB135513
	Manganese	4820	5000	96	90 - 110	P	04/21/2025	18:46	LB135513

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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
CCV05	Nickel	471	500	94	90 - 110	P	04/21/2025	18:46	LB135513
	Potassium	123000	125000	98	90 - 110	P	04/21/2025	18:46	LB135513
	Selenium	457	500	91	90 - 110	P	04/21/2025	18:46	LB135513
	Silver	463	500	92	90 - 110	P	04/21/2025	18:46	LB135513
	Sodium	251000	250000	100	90 - 110	P	04/21/2025	18:46	LB135513
	Thallium	490	500	98	90 - 110	P	04/21/2025	18:46	LB135513
	Vanadium	501	500	100	90 - 110	P	04/21/2025	18:46	LB135513
	Zinc	4670	5000	93	90 - 110	P	04/21/2025	18:46	LB135513
CCV06	Aluminum	49700	50000	99	90 - 110	P	04/21/2025	19:11	LB135513
	Antimony	490	500	98	90 - 110	P	04/21/2025	19:11	LB135513
	Arsenic	489	500	98	90 - 110	P	04/21/2025	19:11	LB135513
	Barium	2460	2500	98	90 - 110	P	04/21/2025	19:11	LB135513
	Beryllium	524	500	105	90 - 110	P	04/21/2025	19:11	LB135513
	Cadmium	485	500	97	90 - 110	P	04/21/2025	19:11	LB135513
	Calcium	241000	250000	96	90 - 110	P	04/21/2025	19:11	LB135513
	Chromium	488	500	98	90 - 110	P	04/21/2025	19:11	LB135513
	Cobalt	472	500	94	90 - 110	P	04/21/2025	19:11	LB135513
	Copper	4560	5000	91	90 - 110	P	04/21/2025	19:11	LB135513
	Iron	124000	125000	99	90 - 110	P	04/21/2025	19:11	LB135513
	Lead	2440	2500	98	90 - 110	P	04/21/2025	19:11	LB135513
	Magnesium	246000	250000	98	90 - 110	P	04/21/2025	19:11	LB135513
	Manganese	4820	5000	96	90 - 110	P	04/21/2025	19:11	LB135513
	Nickel	468	500	94	90 - 110	P	04/21/2025	19:11	LB135513
	Potassium	123000	125000	98	90 - 110	P	04/21/2025	19:11	LB135513
	Selenium	457	500	92	90 - 110	P	04/21/2025	19:11	LB135513
	Silver	478	500	96	90 - 110	P	04/21/2025	19:11	LB135513
	Sodium	251000	250000	100	90 - 110	P	04/21/2025	19:11	LB135513
	Thallium	492	500	98	90 - 110	P	04/21/2025	19:11	LB135513
	Vanadium	496	500	99	90 - 110	P	04/21/2025	19:11	LB135513
	Zinc	4610	5000	92	90 - 110	P	04/21/2025	19:11	LB135513

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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	502	500	100	90 - 110	P	04/29/2025	12:14	LB135595
	Antimony	203	200	101	90 - 110	P	04/29/2025	12:14	LB135595
	Arsenic	200	200	100	90 - 110	P	04/29/2025	12:14	LB135595
	Barium	102	100	102	90 - 110	P	04/29/2025	12:14	LB135595
	Beryllium	106	100	106	90 - 110	P	04/29/2025	12:14	LB135595
	Cadmium	103	100	104	90 - 110	P	04/29/2025	12:14	LB135595
	Calcium	1980	2000	99	90 - 110	P	04/29/2025	12:14	LB135595
	Chromium	101	100	101	90 - 110	P	04/29/2025	12:14	LB135595
	Cobalt	105	100	105	90 - 110	P	04/29/2025	12:14	LB135595
	Copper	107	100	107	90 - 110	P	04/29/2025	12:14	LB135595
	Iron	2130	2000	106	90 - 110	P	04/29/2025	12:14	LB135595
	Lead	194	200	97	90 - 110	P	04/29/2025	12:14	LB135595
	Magnesium	1220	1200	101	90 - 110	P	04/29/2025	12:14	LB135595
	Manganese	100	100	100	90 - 110	P	04/29/2025	12:14	LB135595
	Nickel	105	110	96	90 - 110	P	04/29/2025	12:14	LB135595
	Potassium	1950	2000	98	90 - 110	P	04/29/2025	12:14	LB135595
	Selenium	211	200	105	90 - 110	P	04/29/2025	12:14	LB135595
	Silver	54.5	50.0	109	90 - 110	P	04/29/2025	12:14	LB135595
	Sodium	2100	2000	105	90 - 110	P	04/29/2025	12:14	LB135595
	Thallium	193	210	92	90 - 110	P	04/29/2025	12:14	LB135595
	Vanadium	100	100	100	90 - 110	P	04/29/2025	12:14	LB135595
	Zinc	201	200	100	90 - 110	P	04/29/2025	12:14	LB135595

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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
LLICV	Aluminum	22.4	20.0	112	80 - 120	P	04/29/2025	12:18	LB135595
	Antimony	2.00	2.0	100	80 - 120	P	04/29/2025	12:18	LB135595
	Arsenic	0.98	1.0	98	80 - 120	P	04/29/2025	12:18	LB135595
	Barium	9.98	10.0	100	80 - 120	P	04/29/2025	12:18	LB135595
	Beryllium	1.12	1.0	112	80 - 120	P	04/29/2025	12:18	LB135595
	Cadmium	1.06	1.0	106	80 - 120	P	04/29/2025	12:18	LB135595
	Calcium	509	500	102	80 - 120	P	04/29/2025	12:18	LB135595
	Chromium	2.02	2.0	101	80 - 120	P	04/29/2025	12:18	LB135595
	Cobalt	1.08	1.0	108	80 - 120	P	04/29/2025	12:18	LB135595
	Copper	2.13	2.0	106	80 - 120	P	04/29/2025	12:18	LB135595
	Iron	52.9	50.0	106	80 - 120	P	04/29/2025	12:18	LB135595
	Lead	0.96	1.0	96	80 - 120	P	04/29/2025	12:18	LB135595
	Magnesium	547	500	109	80 - 120	P	04/29/2025	12:18	LB135595
	Manganese	1.00	1.0	100	80 - 120	P	04/29/2025	12:18	LB135595
	Nickel	1.07	1.0	107	80 - 120	P	04/29/2025	12:18	LB135595
	Potassium	501	500	100	80 - 120	P	04/29/2025	12:18	LB135595
	Selenium	5.22	5.0	104	80 - 120	P	04/29/2025	12:18	LB135595
	Silver	1.02	1.0	102	80 - 120	P	04/29/2025	12:18	LB135595
	Sodium	543	500	109	80 - 120	P	04/29/2025	12:18	LB135595
	Thallium	0.94	1.0	94	80 - 120	P	04/29/2025	12:18	LB135595
	Vanadium	5.14	5.0	103	80 - 120	P	04/29/2025	12:18	LB135595
	Zinc	5.15	5.0	103	80 - 120	P	04/29/2025	12:18	LB135595

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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	04/29/2025	12:40	LB135595
	Antimony	519	500	104	90 - 110	P	04/29/2025	12:40	LB135595
	Arsenic	498	500	100	90 - 110	P	04/29/2025	12:40	LB135595
	Barium	2640	2500	105	90 - 110	P	04/29/2025	12:40	LB135595
	Beryllium	521	500	104	90 - 110	P	04/29/2025	12:40	LB135595
	Cadmium	515	500	103	90 - 110	P	04/29/2025	12:40	LB135595
	Calcium	254000	250000	102	90 - 110	P	04/29/2025	12:40	LB135595
	Chromium	510	500	102	90 - 110	P	04/29/2025	12:40	LB135595
	Cobalt	487	500	97	90 - 110	P	04/29/2025	12:40	LB135595
	Copper	4670	5000	94	90 - 110	P	04/29/2025	12:40	LB135595
	Iron	128000	125000	103	90 - 110	P	04/29/2025	12:40	LB135595
	Lead	2510	2500	100	90 - 110	P	04/29/2025	12:40	LB135595
	Magnesium	251000	250000	100	90 - 110	P	04/29/2025	12:40	LB135595
	Manganese	4960	5000	99	90 - 110	P	04/29/2025	12:40	LB135595
	Nickel	461	500	92	90 - 110	P	04/29/2025	12:40	LB135595
	Potassium	125000	125000	100	90 - 110	P	04/29/2025	12:40	LB135595
	Selenium	487	500	97	90 - 110	P	04/29/2025	12:40	LB135595
	Silver	508	500	102	90 - 110	P	04/29/2025	12:40	LB135595
	Sodium	252000	250000	101	90 - 110	P	04/29/2025	12:40	LB135595
	Thallium	511	500	102	90 - 110	P	04/29/2025	12:40	LB135595
	Vanadium	512	500	102	90 - 110	P	04/29/2025	12:40	LB135595
	Zinc	4730	5000	95	90 - 110	P	04/29/2025	12:40	LB135595
CCV02	Aluminum	52000	50000	104	90 - 110	P	04/29/2025	13:03	LB135595
	Antimony	516	500	103	90 - 110	P	04/29/2025	13:03	LB135595
	Arsenic	498	500	100	90 - 110	P	04/29/2025	13:03	LB135595
	Barium	2630	2500	105	90 - 110	P	04/29/2025	13:03	LB135595
	Beryllium	523	500	105	90 - 110	P	04/29/2025	13:03	LB135595
	Cadmium	514	500	103	90 - 110	P	04/29/2025	13:03	LB135595
	Calcium	253000	250000	101	90 - 110	P	04/29/2025	13:03	LB135595
	Chromium	511	500	102	90 - 110	P	04/29/2025	13:03	LB135595
	Cobalt	490	500	98	90 - 110	P	04/29/2025	13:03	LB135595
	Copper	4690	5000	94	90 - 110	P	04/29/2025	13:03	LB135595
	Iron	130000	125000	104	90 - 110	P	04/29/2025	13:03	LB135595
	Lead	2490	2500	100	90 - 110	P	04/29/2025	13:03	LB135595

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q1812

Contract: JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812

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
CCV02	Magnesium	254000	250000	102	90 - 110	P	04/29/2025	13:03	LB135595
	Manganese	5010	5000	100	90 - 110	P	04/29/2025	13:03	LB135595
	Nickel	455	500	91	90 - 110	P	04/29/2025	13:03	LB135595
	Potassium	126000	125000	101	90 - 110	P	04/29/2025	13:03	LB135595
	Selenium	483	500	97	90 - 110	P	04/29/2025	13:03	LB135595
	Silver	505	500	101	90 - 110	P	04/29/2025	13:03	LB135595
	Sodium	259000	250000	104	90 - 110	P	04/29/2025	13:03	LB135595
	Thallium	505	500	101	90 - 110	P	04/29/2025	13:03	LB135595
	Vanadium	510	500	102	90 - 110	P	04/29/2025	13:03	LB135595
	Zinc	4760	5000	95	90 - 110	P	04/29/2025	13:03	LB135595