

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG **SDG No.:** Q1154
Contract: PSEG03 **Lab Code:** CHEM **Case No.:** Q1154 **SAS No.:** Q1154
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
ICV67	Mercury	3.76	4.0	94	90 - 110	CV	01/23/2025	15:19	LB134389

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Client: PSEG **SDG No.:** Q1154
Contract: PSEG03 **Lab Code:** CHEM **Case No.:** Q1154 **SAS No.:** Q1154
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
CCV65	Mercury	5.12	5.0	102	90 - 110	CV	01/23/2025	15:24	LB134389
CCV66	Mercury	5.09	5.0	102	90 - 110	CV	01/23/2025	15:54	LB134389
CCV67	Mercury	5.22	5.0	104	90 - 110	CV	01/23/2025	16:12	LB134389

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG SDG No.: Q1154
Contract: PSEG03 Lab Code: CHEM Case No.: Q1154 SAS No.: Q1154
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	2450	2500	98	95 - 105	P	01/27/2025	11:16	LB134427
	Antimony	1040	1000	104	95 - 105	P	01/27/2025	11:16	LB134427
	Arsenic	1050	1000	105	95 - 105	P	01/27/2025	11:16	LB134427
	Barium	483	520	93	95 - 105	P	01/27/2025	11:16	LB134427
	Beryllium	485	510	95	95 - 105	P	01/27/2025	11:16	LB134427
	Cadmium	508	510	100	95 - 105	P	01/27/2025	11:16	LB134427
	Calcium	9640	10000	96	95 - 105	P	01/27/2025	11:16	LB134427
	Chromium	539	520	104	95 - 105	P	01/27/2025	11:16	LB134427
	Cobalt	510	520	98	95 - 105	P	01/27/2025	11:16	LB134427
	Copper	528	510	104	95 - 105	P	01/27/2025	11:16	LB134427
	Iron	10300	10000	103	95 - 105	P	01/27/2025	11:16	LB134427
	Lead	1020	1000	102	95 - 105	P	01/27/2025	11:16	LB134427
	Magnesium	5740	6000	96	95 - 105	P	01/27/2025	11:16	LB134427
	Manganese	491	520	94	95 - 105	P	01/27/2025	11:16	LB134427
	Nickel	514	530	97	95 - 105	P	01/27/2025	11:16	LB134427
	Potassium	10200	9900	103	95 - 105	P	01/27/2025	11:16	LB134427
	Selenium	1060	1000	106	95 - 105	P	01/27/2025	11:16	LB134427
	Silver	259	250	104	95 - 105	P	01/27/2025	11:16	LB134427
	Sodium	9900	10000	99	95 - 105	P	01/27/2025	11:16	LB134427
	Thallium	1070	1000	107	95 - 105	P	01/27/2025	11:16	LB134427
	Vanadium	488	500	98	95 - 105	P	01/27/2025	11:16	LB134427
	Zinc	1030	1000	103	95 - 105	P	01/27/2025	11:16	LB134427

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Client: PSEG SDG No.: Q1154
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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	97.4	100	97	80 - 120	P	01/27/2025	11:20	LB134427
	Antimony	51.9	50.0	104	80 - 120	P	01/27/2025	11:20	LB134427
	Arsenic	23.2	20.0	116	80 - 120	P	01/27/2025	11:20	LB134427
	Barium	91.3	100	91	80 - 120	P	01/27/2025	11:20	LB134427
	Beryllium	5.63	6.0	94	80 - 120	P	01/27/2025	11:20	LB134427
	Cadmium	5.94	6.0	99	80 - 120	P	01/27/2025	11:20	LB134427
	Calcium	1950	2000	98	80 - 120	P	01/27/2025	11:20	LB134427
	Chromium	9.88	10.0	99	80 - 120	P	01/27/2025	11:20	LB134427
	Cobalt	29.2	30.0	97	80 - 120	P	01/27/2025	11:20	LB134427
	Copper	22.0	20.0	110	80 - 120	P	01/27/2025	11:20	LB134427
	Iron	96.2	100	96	80 - 120	P	01/27/2025	11:20	LB134427
	Lead	9.90	12.0	82	80 - 120	P	01/27/2025	11:20	LB134427
	Magnesium	2010	2000	100	80 - 120	P	01/27/2025	11:20	LB134427
	Manganese	19.4	20.0	97	80 - 120	P	01/27/2025	11:20	LB134427
	Nickel	39.6	40.0	99	80 - 120	P	01/27/2025	11:20	LB134427
	Potassium	2130	2000	106	80 - 120	P	01/27/2025	11:20	LB134427
	Selenium	21.5	20.0	108	80 - 120	P	01/27/2025	11:20	LB134427
	Silver	10.5	10.0	105	80 - 120	P	01/27/2025	11:20	LB134427
	Sodium	1940	2000	97	80 - 120	P	01/27/2025	11:20	LB134427
	Thallium	40.7	40.0	102	80 - 120	P	01/27/2025	11:20	LB134427
	Vanadium	37.1	40.0	93	80 - 120	P	01/27/2025	11:20	LB134427
	Zinc	44.6	40.0	111	80 - 120	P	01/27/2025	11:20	LB134427

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Client: PSEG SDG No.: Q1154
Contract: PSEG03 Lab Code: CHEM Case No.: Q1154 SAS No.: Q1154
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	9580	10000	96	90 - 110	P	01/27/2025	11:41	LB134427
	Antimony	4980	5000	100	90 - 110	P	01/27/2025	11:41	LB134427
	Arsenic	4940	5000	99	90 - 110	P	01/27/2025	11:41	LB134427
	Barium	9440	10000	94	90 - 110	P	01/27/2025	11:41	LB134427
	Beryllium	241	250	96	90 - 110	P	01/27/2025	11:41	LB134427
	Cadmium	2430	2500	97	90 - 110	P	01/27/2025	11:41	LB134427
	Calcium	23600	25000	94	90 - 110	P	01/27/2025	11:41	LB134427
	Chromium	1000	1000	100	90 - 110	P	01/27/2025	11:41	LB134427
	Cobalt	2430	2500	97	90 - 110	P	01/27/2025	11:41	LB134427
	Copper	1240	1250	99	90 - 110	P	01/27/2025	11:41	LB134427
	Iron	4780	5000	96	90 - 110	P	01/27/2025	11:41	LB134427
	Lead	4870	5000	97	90 - 110	P	01/27/2025	11:41	LB134427
	Magnesium	23800	25000	95	90 - 110	P	01/27/2025	11:41	LB134427
	Manganese	2300	2500	92	90 - 110	P	01/27/2025	11:41	LB134427
	Nickel	2430	2500	97	90 - 110	P	01/27/2025	11:41	LB134427
	Potassium	24000	25000	96	90 - 110	P	01/27/2025	11:41	LB134427
	Selenium	4980	5000	100	90 - 110	P	01/27/2025	11:41	LB134427
	Silver	1240	1250	99	90 - 110	P	01/27/2025	11:41	LB134427
	Sodium	23200	25000	93	90 - 110	P	01/27/2025	11:41	LB134427
	Thallium	5090	5000	102	90 - 110	P	01/27/2025	11:41	LB134427
	Vanadium	2380	2500	95	90 - 110	P	01/27/2025	11:41	LB134427
	Zinc	2480	2500	99	90 - 110	P	01/27/2025	11:41	LB134427
CCV02	Aluminum	9500	10000	95	90 - 110	P	01/27/2025	12:31	LB134427
	Antimony	4990	5000	100	90 - 110	P	01/27/2025	12:31	LB134427
	Arsenic	4940	5000	99	90 - 110	P	01/27/2025	12:31	LB134427
	Barium	9240	10000	92	90 - 110	P	01/27/2025	12:31	LB134427
	Beryllium	239	250	96	90 - 110	P	01/27/2025	12:31	LB134427
	Cadmium	2420	2500	97	90 - 110	P	01/27/2025	12:31	LB134427
	Calcium	23300	25000	93	90 - 110	P	01/27/2025	12:31	LB134427
	Chromium	999	1000	100	90 - 110	P	01/27/2025	12:31	LB134427
	Cobalt	2410	2500	97	90 - 110	P	01/27/2025	12:31	LB134427
	Copper	1240	1250	99	90 - 110	P	01/27/2025	12:31	LB134427
	Iron	4740	5000	95	90 - 110	P	01/27/2025	12:31	LB134427
	Lead	4840	5000	97	90 - 110	P	01/27/2025	12:31	LB134427

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Client: PSEG **SDG No.:** Q1154
Contract: PSEG03 **Lab Code:** CHEM **Case No.:** Q1154 **SAS No.:** Q1154
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	23400	25000	94	90 - 110	P	01/27/2025	12:31	LB134427
	Manganese	2260	2500	90	90 - 110	P	01/27/2025	12:31	LB134427
	Nickel	2420	2500	97	90 - 110	P	01/27/2025	12:31	LB134427
	Potassium	23900	25000	96	90 - 110	P	01/27/2025	12:31	LB134427
	Selenium	4990	5000	100	90 - 110	P	01/27/2025	12:31	LB134427
	Silver	1240	1250	99	90 - 110	P	01/27/2025	12:31	LB134427
	Sodium	23000	25000	92	90 - 110	P	01/27/2025	12:31	LB134427
	Thallium	5110	5000	102	90 - 110	P	01/27/2025	12:31	LB134427
	Vanadium	2360	2500	94	90 - 110	P	01/27/2025	12:31	LB134427
	Zinc	2480	2500	99	90 - 110	P	01/27/2025	12:31	LB134427
CCV03	Aluminum	9710	10000	97	90 - 110	P	01/27/2025	13:21	LB134427
	Antimony	5060	5000	101	90 - 110	P	01/27/2025	13:21	LB134427
	Arsenic	5010	5000	100	90 - 110	P	01/27/2025	13:21	LB134427
	Barium	9530	10000	95	90 - 110	P	01/27/2025	13:21	LB134427
	Beryllium	237	250	95	90 - 110	P	01/27/2025	13:21	LB134427
	Cadmium	2450	2500	98	90 - 110	P	01/27/2025	13:21	LB134427
	Calcium	23800	25000	95	90 - 110	P	01/27/2025	13:21	LB134427
	Chromium	1010	1000	101	90 - 110	P	01/27/2025	13:21	LB134427
	Cobalt	2440	2500	98	90 - 110	P	01/27/2025	13:21	LB134427
	Copper	1250	1250	100	90 - 110	P	01/27/2025	13:21	LB134427
	Iron	4840	5000	97	90 - 110	P	01/27/2025	13:21	LB134427
	Lead	4900	5000	98	90 - 110	P	01/27/2025	13:21	LB134427
	Magnesium	24300	25000	97	90 - 110	P	01/27/2025	13:21	LB134427
	Manganese	2300	2500	92	90 - 110	P	01/27/2025	13:21	LB134427
	Nickel	2450	2500	98	90 - 110	P	01/27/2025	13:21	LB134427
	Potassium	24800	25000	99	90 - 110	P	01/27/2025	13:21	LB134427
	Selenium	5060	5000	101	90 - 110	P	01/27/2025	13:21	LB134427
	Silver	1250	1250	100	90 - 110	P	01/27/2025	13:21	LB134427
	Sodium	24400	25000	98	90 - 110	P	01/27/2025	13:21	LB134427
	Thallium	5130	5000	103	90 - 110	P	01/27/2025	13:21	LB134427
	Vanadium	2420	2500	97	90 - 110	P	01/27/2025	13:21	LB134427
	Zinc	2490	2500	100	90 - 110	P	01/27/2025	13:21	LB134427
CCV04	Aluminum	9520	10000	95	90 - 110	P	01/27/2025	13:41	LB134427
	Antimony	5030	5000	101	90 - 110	P	01/27/2025	13:41	LB134427

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG SDG No.: Q1154
Contract: PSEG03 Lab Code: CHEM Case No.: Q1154 SAS No.: Q1154
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	5000	5000	100	90 - 110	P	01/27/2025	13:41	LB134427
	Barium	9310	10000	93	90 - 110	P	01/27/2025	13:41	LB134427
	Beryllium	240	250	96	90 - 110	P	01/27/2025	13:41	LB134427
	Cadmium	2440	2500	98	90 - 110	P	01/27/2025	13:41	LB134427
	Calcium	23500	25000	94	90 - 110	P	01/27/2025	13:41	LB134427
	Chromium	1000	1000	100	90 - 110	P	01/27/2025	13:41	LB134427
	Cobalt	2430	2500	97	90 - 110	P	01/27/2025	13:41	LB134427
	Copper	1250	1250	100	90 - 110	P	01/27/2025	13:41	LB134427
	Iron	4730	5000	95	90 - 110	P	01/27/2025	13:41	LB134427
	Lead	4880	5000	98	90 - 110	P	01/27/2025	13:41	LB134427
	Magnesium	23900	25000	96	90 - 110	P	01/27/2025	13:41	LB134427
	Manganese	2270	2500	91	90 - 110	P	01/27/2025	13:41	LB134427
	Nickel	2440	2500	98	90 - 110	P	01/27/2025	13:41	LB134427
	Potassium	24000	25000	96	90 - 110	P	01/27/2025	13:41	LB134427
	Selenium	5050	5000	101	90 - 110	P	01/27/2025	13:41	LB134427
	Silver	1260	1250	100	90 - 110	P	01/27/2025	13:41	LB134427
	Sodium	23200	25000	93	90 - 110	P	01/27/2025	13:41	LB134427
	Thallium	5120	5000	102	90 - 110	P	01/27/2025	13:41	LB134427
	Vanadium	2370	2500	95	90 - 110	P	01/27/2025	13:41	LB134427
	Zinc	2430	2500	97	90 - 110	P	01/27/2025	13:41	LB134427