

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1122
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122
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
ICV66	Mercury	4.06	4.0	102	90 - 110	CV	01/23/2025	10:19	LB134375

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Client: Tetra Tech NUS, Inc. **SDG No.:** Q1122
Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122
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
CCV62	Mercury	5.08	5.0	102	90 - 110	CV	01/23/2025	10:23	LB134375
CCV63	Mercury	5.17	5.0	103	90 - 110	CV	01/23/2025	10:56	LB134375
CCV64	Mercury	5.10	5.0	102	90 - 110	CV	01/23/2025	11:10	LB134375

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q1122
Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122
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	2400	2500	96	90 - 110	P	01/21/2025	11:26	LB134358
	Antimony	1020	1000	102	90 - 110	P	01/21/2025	11:26	LB134358
	Arsenic	1030	1000	103	90 - 110	P	01/21/2025	11:26	LB134358
	Barium	477	520	92	90 - 110	P	01/21/2025	11:26	LB134358
	Beryllium	485	510	95	90 - 110	P	01/21/2025	11:26	LB134358
	Cadmium	505	510	99	90 - 110	P	01/21/2025	11:26	LB134358
	Calcium	9610	10000	96	90 - 110	P	01/21/2025	11:26	LB134358
	Chromium	529	520	102	90 - 110	P	01/21/2025	11:26	LB134358
	Cobalt	509	520	98	90 - 110	P	01/21/2025	11:26	LB134358
	Copper	524	510	103	90 - 110	P	01/21/2025	11:26	LB134358
	Iron	10300	10000	103	90 - 110	P	01/21/2025	11:26	LB134358
	Lead	1010	1000	101	90 - 110	P	01/21/2025	11:26	LB134358
	Magnesium	5700	6000	95	90 - 110	P	01/21/2025	11:26	LB134358
	Manganese	494	520	95	90 - 110	P	01/21/2025	11:26	LB134358
	Nickel	511	530	96	90 - 110	P	01/21/2025	11:26	LB134358
	Potassium	10000	9900	101	90 - 110	P	01/21/2025	11:26	LB134358
	Selenium	1040	1000	104	90 - 110	P	01/21/2025	11:26	LB134358
	Silver	252	250	101	90 - 110	P	01/21/2025	11:26	LB134358
	Sodium	9990	10000	100	90 - 110	P	01/21/2025	11:26	LB134358
	Thallium	1040	1000	104	90 - 110	P	01/21/2025	11:26	LB134358
	Vanadium	483	500	97	90 - 110	P	01/21/2025	11:26	LB134358
	Zinc	1020	1000	102	90 - 110	P	01/21/2025	11:26	LB134358

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Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

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	90.4	100	90	80 - 120	P	01/21/2025	11:35	LB134358
	Antimony	49.2	50.0	98	80 - 120	P	01/21/2025	11:35	LB134358
	Arsenic	20.6	20.0	103	80 - 120	P	01/21/2025	11:35	LB134358
	Barium	93.4	100	93	80 - 120	P	01/21/2025	11:35	LB134358
	Beryllium	5.63	6.0	94	80 - 120	P	01/21/2025	11:35	LB134358
	Cadmium	5.80	6.0	97	80 - 120	P	01/21/2025	11:35	LB134358
	Calcium	1930	2000	96	80 - 120	P	01/21/2025	11:35	LB134358
	Chromium	9.51	10.0	95	80 - 120	P	01/21/2025	11:35	LB134358
	Cobalt	28.9	30.0	96	80 - 120	P	01/21/2025	11:35	LB134358
	Copper	21.6	20.0	108	80 - 120	P	01/21/2025	11:35	LB134358
	Iron	109	100	109	80 - 120	P	01/21/2025	11:35	LB134358
	Lead	11.8	12.0	98	80 - 120	P	01/21/2025	11:35	LB134358
	Magnesium	2030	2000	102	80 - 120	P	01/21/2025	11:35	LB134358
	Manganese	19.8	20.0	99	80 - 120	P	01/21/2025	11:35	LB134358
	Nickel	38.6	40.0	96	80 - 120	P	01/21/2025	11:35	LB134358
	Potassium	1980	2000	99	80 - 120	P	01/21/2025	11:35	LB134358
	Selenium	19.4	20.0	97	80 - 120	P	01/21/2025	11:35	LB134358
	Silver	10.3	10.0	103	80 - 120	P	01/21/2025	11:35	LB134358
	Sodium	2000	2000	100	80 - 120	P	01/21/2025	11:35	LB134358
	Thallium	39.3	40.0	98	80 - 120	P	01/21/2025	11:35	LB134358
	Vanadium	38.6	40.0	96	80 - 120	P	01/21/2025	11:35	LB134358
	Zinc	41.9	40.0	105	80 - 120	P	01/21/2025	11:35	LB134358

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Client: Tetra Tech NUS, Inc. **SDG No.:** Q1122

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

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	9840	10000	98	90 - 110	P	01/21/2025	12:12	LB134358
	Antimony	4970	5000	100	90 - 110	P	01/21/2025	12:12	LB134358
	Arsenic	4890	5000	98	90 - 110	P	01/21/2025	12:12	LB134358
	Barium	9850	10000	98	90 - 110	P	01/21/2025	12:12	LB134358
	Beryllium	240	250	96	90 - 110	P	01/21/2025	12:12	LB134358
	Cadmium	2450	2500	98	90 - 110	P	01/21/2025	12:12	LB134358
	Calcium	24500	25000	98	90 - 110	P	01/21/2025	12:12	LB134358
	Chromium	992	1000	99	90 - 110	P	01/21/2025	12:12	LB134358
	Cobalt	2450	2500	98	90 - 110	P	01/21/2025	12:12	LB134358
	Copper	1240	1250	100	90 - 110	P	01/21/2025	12:12	LB134358
	Iron	5040	5000	101	90 - 110	P	01/21/2025	12:12	LB134358
	Lead	4890	5000	98	90 - 110	P	01/21/2025	12:12	LB134358
	Magnesium	24300	25000	97	90 - 110	P	01/21/2025	12:12	LB134358
	Manganese	2450	2500	98	90 - 110	P	01/21/2025	12:12	LB134358
	Nickel	2450	2500	98	90 - 110	P	01/21/2025	12:12	LB134358
	Potassium	25300	25000	101	90 - 110	P	01/21/2025	12:12	LB134358
	Selenium	4940	5000	99	90 - 110	P	01/21/2025	12:12	LB134358
	Silver	1240	1250	99	90 - 110	P	01/21/2025	12:12	LB134358
	Sodium	25300	25000	101	90 - 110	P	01/21/2025	12:12	LB134358
	Thallium	5100	5000	102	90 - 110	P	01/21/2025	12:12	LB134358
	Vanadium	2460	2500	98	90 - 110	P	01/21/2025	12:12	LB134358
	Zinc	2490	2500	100	90 - 110	P	01/21/2025	12:12	LB134358
CCV02	Aluminum	9660	10000	97	90 - 110	P	01/21/2025	13:01	LB134358
	Antimony	4910	5000	98	90 - 110	P	01/21/2025	13:01	LB134358
	Arsenic	4820	5000	96	90 - 110	P	01/21/2025	13:01	LB134358
	Barium	9770	10000	98	90 - 110	P	01/21/2025	13:01	LB134358
	Beryllium	238	250	95	90 - 110	P	01/21/2025	13:01	LB134358
	Cadmium	2420	2500	97	90 - 110	P	01/21/2025	13:01	LB134358
	Calcium	24000	25000	96	90 - 110	P	01/21/2025	13:01	LB134358
	Chromium	984	1000	98	90 - 110	P	01/21/2025	13:01	LB134358
	Cobalt	2420	2500	97	90 - 110	P	01/21/2025	13:01	LB134358
	Copper	1230	1250	98	90 - 110	P	01/21/2025	13:01	LB134358
	Iron	5050	5000	101	90 - 110	P	01/21/2025	13:01	LB134358
	Lead	4820	5000	96	90 - 110	P	01/21/2025	13:01	LB134358

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Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1122 **SAS No.:** Q1122

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	23800	25000	95	90 - 110	P	01/21/2025	13:01	LB134358
	Manganese	2400	2500	96	90 - 110	P	01/21/2025	13:01	LB134358
	Nickel	2420	2500	97	90 - 110	P	01/21/2025	13:01	LB134358
	Potassium	25100	25000	101	90 - 110	P	01/21/2025	13:01	LB134358
	Selenium	4870	5000	97	90 - 110	P	01/21/2025	13:01	LB134358
	Silver	1230	1250	99	90 - 110	P	01/21/2025	13:01	LB134358
	Sodium	25100	25000	100	90 - 110	P	01/21/2025	13:01	LB134358
	Thallium	5100	5000	102	90 - 110	P	01/21/2025	13:01	LB134358
	Vanadium	2420	2500	97	90 - 110	P	01/21/2025	13:01	LB134358
	Zinc	2470	2500	99	90 - 110	P	01/21/2025	13:01	LB134358
CCV03	Aluminum	9610	10000	96	90 - 110	P	01/21/2025	13:18	LB134358
	Antimony	4940	5000	99	90 - 110	P	01/21/2025	13:18	LB134358
	Arsenic	4870	5000	97	90 - 110	P	01/21/2025	13:18	LB134358
	Barium	9590	10000	96	90 - 110	P	01/21/2025	13:18	LB134358
	Beryllium	233	250	93	90 - 110	P	01/21/2025	13:18	LB134358
	Cadmium	2410	2500	96	90 - 110	P	01/21/2025	13:18	LB134358
	Calcium	23700	25000	95	90 - 110	P	01/21/2025	13:18	LB134358
	Chromium	974	1000	97	90 - 110	P	01/21/2025	13:18	LB134358
	Cobalt	2410	2500	96	90 - 110	P	01/21/2025	13:18	LB134358
	Copper	1230	1250	98	90 - 110	P	01/21/2025	13:18	LB134358
	Iron	4840	5000	97	90 - 110	P	01/21/2025	13:18	LB134358
	Lead	4810	5000	96	90 - 110	P	01/21/2025	13:18	LB134358
	Magnesium	23700	25000	95	90 - 110	P	01/21/2025	13:18	LB134358
	Manganese	2360	2500	94	90 - 110	P	01/21/2025	13:18	LB134358
	Nickel	2410	2500	96	90 - 110	P	01/21/2025	13:18	LB134358
	Potassium	24200	25000	97	90 - 110	P	01/21/2025	13:18	LB134358
	Selenium	4910	5000	98	90 - 110	P	01/21/2025	13:18	LB134358
	Silver	1200	1250	96	90 - 110	P	01/21/2025	13:18	LB134358
	Sodium	24400	25000	98	90 - 110	P	01/21/2025	13:18	LB134358
	Thallium	5090	5000	102	90 - 110	P	01/21/2025	13:18	LB134358
	Vanadium	2390	2500	96	90 - 110	P	01/21/2025	13:18	LB134358
	Zinc	2430	2500	97	90 - 110	P	01/21/2025	13:18	LB134358
CCV04	Aluminum	9510	10000	95	90 - 110	P	01/21/2025	13:56	LB134358
	Antimony	5020	5000	100	90 - 110	P	01/21/2025	13:56	LB134358

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: Q1122
Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122
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	4940	5000	99	90 - 110	P	01/21/2025	13:56	LB134358
	Barium	9550	10000	96	90 - 110	P	01/21/2025	13:56	LB134358
	Beryllium	226	250	90	90 - 110	P	01/21/2025	13:56	LB134358
	Cadmium	2410	2500	96	90 - 110	P	01/21/2025	13:56	LB134358
	Calcium	23300	25000	93	90 - 110	P	01/21/2025	13:56	LB134358
	Chromium	959	1000	96	90 - 110	P	01/21/2025	13:56	LB134358
	Cobalt	2410	2500	96	90 - 110	P	01/21/2025	13:56	LB134358
	Copper	1240	1250	99	90 - 110	P	01/21/2025	13:56	LB134358
	Iron	4930	5000	99	90 - 110	P	01/21/2025	13:56	LB134358
	Lead	4790	5000	96	90 - 110	P	01/21/2025	13:56	LB134358
	Magnesium	22900	25000	92	90 - 110	P	01/21/2025	13:56	LB134358
	Manganese	2310	2500	92	90 - 110	P	01/21/2025	13:56	LB134358
	Nickel	2410	2500	96	90 - 110	P	01/21/2025	13:56	LB134358
	Potassium	25100	25000	101	90 - 110	P	01/21/2025	13:56	LB134358
	Selenium	5040	5000	101	90 - 110	P	01/21/2025	13:56	LB134358
	Silver	1210	1250	96	90 - 110	P	01/21/2025	13:56	LB134358
	Sodium	25300	25000	101	90 - 110	P	01/21/2025	13:56	LB134358
	Thallium	5060	5000	101	90 - 110	P	01/21/2025	13:56	LB134358
	Vanadium	2360	2500	94	90 - 110	P	01/21/2025	13:56	LB134358
	Zinc	2420	2500	97	90 - 110	P	01/21/2025	13:56	LB134358
CCV05	Aluminum	9740	10000	97	90 - 110	P	01/21/2025	15:03	LB134358
	Antimony	5040	5000	101	90 - 110	P	01/21/2025	15:03	LB134358
	Arsenic	4970	5000	99	90 - 110	P	01/21/2025	15:03	LB134358
	Barium	9770	10000	98	90 - 110	P	01/21/2025	15:03	LB134358
	Beryllium	230	250	92	90 - 110	P	01/21/2025	15:03	LB134358
	Cadmium	2430	2500	97	90 - 110	P	01/21/2025	15:03	LB134358
	Calcium	23900	25000	96	90 - 110	P	01/21/2025	15:03	LB134358
	Chromium	978	1000	98	90 - 110	P	01/21/2025	15:03	LB134358
	Cobalt	2430	2500	97	90 - 110	P	01/21/2025	15:03	LB134358
	Copper	1250	1250	100	90 - 110	P	01/21/2025	15:03	LB134358
	Iron	5010	5000	100	90 - 110	P	01/21/2025	15:03	LB134358
	Lead	4840	5000	97	90 - 110	P	01/21/2025	15:03	LB134358
	Magnesium	23700	25000	95	90 - 110	P	01/21/2025	15:03	LB134358
	Manganese	2380	2500	95	90 - 110	P	01/21/2025	15:03	LB134358

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Client: Tetra Tech NUS, Inc. SDG No.: Q1122
Contract: TETR06 Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122
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	2430	2500	97	90 - 110	P	01/21/2025	15:03	LB134358
	Potassium	25400	25000	102	90 - 110	P	01/21/2025	15:03	LB134358
	Selenium	5030	5000	101	90 - 110	P	01/21/2025	15:03	LB134358
	Silver	1220	1250	97	90 - 110	P	01/21/2025	15:03	LB134358
	Sodium	25600	25000	102	90 - 110	P	01/21/2025	15:03	LB134358
	Thallium	5110	5000	102	90 - 110	P	01/21/2025	15:03	LB134358
	Vanadium	2420	2500	97	90 - 110	P	01/21/2025	15:03	LB134358
	Zinc	2450	2500	98	90 - 110	P	01/21/2025	15:03	LB134358