

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5283
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283
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
ICV20	Mercury	4.17	4.0	104	90 - 110	CV	12/17/2024	11:05	LB133972

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Client: Tetra Tech NUS, Inc. **SDG No.:** P5283
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283
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
CCV32	Mercury	4.92	5.0	98	90 - 110	CV	12/17/2024	11:10	LB133972
CCV33	Mercury	5.24	5.0	105	90 - 110	CV	12/17/2024	11:40	LB133972
CCV34	Mercury	5.43	5.0	109	90 - 110	CV	12/17/2024	11:59	LB133972

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Client: Tetra Tech NUS, Inc. **SDG No.:** P5283

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	2620	2500	105	90 - 110	P	12/16/2024	16:02	LB133968
	Antimony	1020	1000	102	90 - 110	P	12/16/2024	16:02	LB133968
	Arsenic	1030	1000	103	90 - 110	P	12/16/2024	16:02	LB133968
	Barium	520	520	100	90 - 110	P	12/16/2024	16:02	LB133968
	Beryllium	527	510	103	90 - 110	P	12/16/2024	16:02	LB133968
	Cadmium	519	510	102	90 - 110	P	12/16/2024	16:02	LB133968
	Calcium	10300	10000	103	90 - 110	P	12/16/2024	16:02	LB133968
	Chromium	540	520	104	90 - 110	P	12/16/2024	16:02	LB133968
	Cobalt	526	520	101	90 - 110	P	12/16/2024	16:02	LB133968
	Copper	541	510	106	90 - 110	P	12/16/2024	16:02	LB133968
	Iron	10200	10000	102	90 - 110	P	12/16/2024	16:02	LB133968
	Lead	1030	1000	103	90 - 110	P	12/16/2024	16:02	LB133968
	Magnesium	6050	6000	101	90 - 110	P	12/16/2024	16:02	LB133968
	Manganese	527	520	101	90 - 110	P	12/16/2024	16:02	LB133968
	Nickel	529	530	100	90 - 110	P	12/16/2024	16:02	LB133968
	Potassium	9980	9900	101	90 - 110	P	12/16/2024	16:02	LB133968
	Selenium	1060	1000	106	90 - 110	P	12/16/2024	16:02	LB133968
	Silver	255	250	102	90 - 110	P	12/16/2024	16:02	LB133968
	Sodium	10200	10000	102	90 - 110	P	12/16/2024	16:02	LB133968
	Thallium	1060	1000	106	90 - 110	P	12/16/2024	16:02	LB133968
	Vanadium	511	500	102	90 - 110	P	12/16/2024	16:02	LB133968
	Zinc	1060	1000	106	90 - 110	P	12/16/2024	16:02	LB133968

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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	103	100	103	80 - 120	P	12/16/2024	16:06	LB133968
	Antimony	46.4	50.0	93	80 - 120	P	12/16/2024	16:06	LB133968
	Arsenic	19.2	20.0	96	80 - 120	P	12/16/2024	16:06	LB133968
	Barium	95.0	100	95	80 - 120	P	12/16/2024	16:06	LB133968
	Beryllium	5.99	6.0	100	80 - 120	P	12/16/2024	16:06	LB133968
	Cadmium	5.53	6.0	92	80 - 120	P	12/16/2024	16:06	LB133968
	Calcium	1990	2000	99	80 - 120	P	12/16/2024	16:06	LB133968
	Chromium	9.70	10.0	97	80 - 120	P	12/16/2024	16:06	LB133968
	Cobalt	28.0	30.0	93	80 - 120	P	12/16/2024	16:06	LB133968
	Copper	21.6	20.0	108	80 - 120	P	12/16/2024	16:06	LB133968
	Iron	91.1	100	91	80 - 120	P	12/16/2024	16:06	LB133968
	Lead	10.6	12.0	88	80 - 120	P	12/16/2024	16:06	LB133968
	Magnesium	2080	2000	104	80 - 120	P	12/16/2024	16:06	LB133968
	Manganese	20.2	20.0	101	80 - 120	P	12/16/2024	16:06	LB133968
	Nickel	37.5	40.0	94	80 - 120	P	12/16/2024	16:06	LB133968
	Potassium	1960	2000	98	80 - 120	P	12/16/2024	16:06	LB133968
	Selenium	19.7	20.0	98	80 - 120	P	12/16/2024	16:06	LB133968
	Silver	9.45	10.0	94	80 - 120	P	12/16/2024	16:06	LB133968
	Sodium	1910	2000	95	80 - 120	P	12/16/2024	16:06	LB133968
	Thallium	35.6	40.0	89	80 - 120	P	12/16/2024	16:06	LB133968
	Vanadium	38.7	40.0	97	80 - 120	P	12/16/2024	16:06	LB133968
	Zinc	39.8	40.0	100	80 - 120	P	12/16/2024	16:06	LB133968

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Client: Tetra Tech NUS, Inc. **SDG No.:** P5283

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	9630	10000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Antimony	4800	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Arsenic	4810	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Barium	9520	10000	95	90 - 110	P	12/16/2024	16:57	LB133968
	Beryllium	252	250	101	90 - 110	P	12/16/2024	16:57	LB133968
	Cadmium	2460	2500	99	90 - 110	P	12/16/2024	16:57	LB133968
	Calcium	24500	25000	98	90 - 110	P	12/16/2024	16:57	LB133968
	Chromium	993	1000	99	90 - 110	P	12/16/2024	16:57	LB133968
	Cobalt	2440	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	16:57	LB133968
	Iron	4780	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Lead	4930	5000	99	90 - 110	P	12/16/2024	16:57	LB133968
	Magnesium	24600	25000	98	90 - 110	P	12/16/2024	16:57	LB133968
	Manganese	2420	2500	97	90 - 110	P	12/16/2024	16:57	LB133968
	Nickel	2450	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
	Potassium	23400	25000	94	90 - 110	P	12/16/2024	16:57	LB133968
	Selenium	4810	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Silver	1220	1250	98	90 - 110	P	12/16/2024	16:57	LB133968
	Sodium	23800	25000	95	90 - 110	P	12/16/2024	16:57	LB133968
	Thallium	4960	5000	99	90 - 110	P	12/16/2024	16:57	LB133968
	Vanadium	2430	2500	97	90 - 110	P	12/16/2024	16:57	LB133968
	Zinc	2460	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
CCV02	Aluminum	9700	10000	97	90 - 110	P	12/16/2024	17:58	LB133968
	Antimony	4720	5000	94	90 - 110	P	12/16/2024	17:58	LB133968
	Arsenic	4740	5000	95	90 - 110	P	12/16/2024	17:58	LB133968
	Barium	9620	10000	96	90 - 110	P	12/16/2024	17:58	LB133968
	Beryllium	263	250	105	90 - 110	P	12/16/2024	17:58	LB133968
	Cadmium	2500	2500	100	90 - 110	P	12/16/2024	17:58	LB133968
	Calcium	25100	25000	100	90 - 110	P	12/16/2024	17:58	LB133968
	Chromium	1020	1000	102	90 - 110	P	12/16/2024	17:58	LB133968
	Cobalt	2470	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	17:58	LB133968
	Iron	4840	5000	97	90 - 110	P	12/16/2024	17:58	LB133968
	Lead	5000	5000	100	90 - 110	P	12/16/2024	17:58	LB133968

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Client: Tetra Tech NUS, Inc. **SDG No.:** P5283

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	25300	25000	101	90 - 110	P	12/16/2024	17:58	LB133968
	Manganese	2490	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Nickel	2480	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Potassium	23100	25000	92	90 - 110	P	12/16/2024	17:58	LB133968
	Selenium	4710	5000	94	90 - 110	P	12/16/2024	17:58	LB133968
	Silver	1240	1250	99	90 - 110	P	12/16/2024	17:58	LB133968
	Sodium	23700	25000	95	90 - 110	P	12/16/2024	17:58	LB133968
	Thallium	4930	5000	98	90 - 110	P	12/16/2024	17:58	LB133968
	Vanadium	2480	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Zinc	2470	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
CCV03	Aluminum	9590	10000	96	90 - 110	P	12/16/2024	18:48	LB133968
	Antimony	4660	5000	93	90 - 110	P	12/16/2024	18:48	LB133968
	Arsenic	4700	5000	94	90 - 110	P	12/16/2024	18:48	LB133968
	Barium	9330	10000	93	90 - 110	P	12/16/2024	18:48	LB133968
	Beryllium	263	250	105	90 - 110	P	12/16/2024	18:48	LB133968
	Cadmium	2480	2500	99	90 - 110	P	12/16/2024	18:48	LB133968
	Calcium	25100	25000	100	90 - 110	P	12/16/2024	18:48	LB133968
	Chromium	1020	1000	102	90 - 110	P	12/16/2024	18:48	LB133968
	Cobalt	2450	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
	Copper	1210	1250	96	90 - 110	P	12/16/2024	18:48	LB133968
	Iron	4810	5000	96	90 - 110	P	12/16/2024	18:48	LB133968
	Lead	4950	5000	99	90 - 110	P	12/16/2024	18:48	LB133968
	Magnesium	25300	25000	101	90 - 110	P	12/16/2024	18:48	LB133968
	Manganese	2470	2500	99	90 - 110	P	12/16/2024	18:48	LB133968
	Nickel	2460	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
	Potassium	22800	25000	91	90 - 110	P	12/16/2024	18:48	LB133968
	Selenium	4670	5000	93	90 - 110	P	12/16/2024	18:48	LB133968
	Silver	1230	1250	98	90 - 110	P	12/16/2024	18:48	LB133968
	Sodium	23300	25000	93	90 - 110	P	12/16/2024	18:48	LB133968
	Thallium	4800	5000	96	90 - 110	P	12/16/2024	18:48	LB133968
	Vanadium	2460	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
	Zinc	2440	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
CCV04	Aluminum	9770	10000	98	90 - 110	P	12/16/2024	19:51	LB133968
	Antimony	4690	5000	94	90 - 110	P	12/16/2024	19:51	LB133968

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Client: Tetra Tech NUS, Inc. **SDG No.:** P5283

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	4740	5000	95	90 - 110	P	12/16/2024	19:51	LB133968
	Barium	9400	10000	94	90 - 110	P	12/16/2024	19:51	LB133968
	Beryllium	274	250	110	90 - 110	P	12/16/2024	19:51	LB133968
	Cadmium	2550	2500	102	90 - 110	P	12/16/2024	19:51	LB133968
	Calcium	25700	25000	103	90 - 110	P	12/16/2024	19:51	LB133968
	Chromium	1040	1000	104	90 - 110	P	12/16/2024	19:51	LB133968
	Cobalt	2510	2500	100	90 - 110	P	12/16/2024	19:51	LB133968
	Copper	1220	1250	98	90 - 110	P	12/16/2024	19:51	LB133968
	Iron	4880	5000	98	90 - 110	P	12/16/2024	19:51	LB133968
	Lead	5050	5000	101	90 - 110	P	12/16/2024	19:51	LB133968
	Magnesium	26200	25000	105	90 - 110	P	12/16/2024	19:51	LB133968
	Manganese	2540	2500	102	90 - 110	P	12/16/2024	19:51	LB133968
	Nickel	2510	2500	101	90 - 110	P	12/16/2024	19:51	LB133968
	Potassium	26900	25000	108	90 - 110	P	12/16/2024	19:51	LB133968
	Selenium	4680	5000	94	90 - 110	P	12/16/2024	19:51	LB133968
	Silver	1240	1250	100	90 - 110	P	12/16/2024	19:51	LB133968
	Sodium	25300	25000	101	90 - 110	P	12/16/2024	19:51	LB133968
	Thallium	4970	5000	99	90 - 110	P	12/16/2024	19:51	LB133968
	Vanadium	2530	2500	101	90 - 110	P	12/16/2024	19:51	LB133968
	Zinc	2460	2500	98	90 - 110	P	12/16/2024	19:51	LB133968
CCV05	Aluminum	9980	10000	100	90 - 110	P	12/16/2024	20:49	LB133968
	Antimony	4980	5000	100	90 - 110	P	12/16/2024	20:49	LB133968
	Arsenic	4960	5000	99	90 - 110	P	12/16/2024	20:49	LB133968
	Barium	9720	10000	97	90 - 110	P	12/16/2024	20:49	LB133968
	Beryllium	263	250	105	90 - 110	P	12/16/2024	20:49	LB133968
	Cadmium	2520	2500	101	90 - 110	P	12/16/2024	20:49	LB133968
	Calcium	25000	25000	100	90 - 110	P	12/16/2024	20:49	LB133968
	Chromium	1030	1000	103	90 - 110	P	12/16/2024	20:49	LB133968
	Cobalt	2500	2500	100	90 - 110	P	12/16/2024	20:49	LB133968
	Copper	1260	1250	101	90 - 110	P	12/16/2024	20:49	LB133968
	Iron	4950	5000	99	90 - 110	P	12/16/2024	20:49	LB133968
	Lead	5060	5000	101	90 - 110	P	12/16/2024	20:49	LB133968
	Magnesium	25400	25000	102	90 - 110	P	12/16/2024	20:49	LB133968
	Manganese	2500	2500	100	90 - 110	P	12/16/2024	20:49	LB133968

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Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	2510	2500	100	90 - 110	P	12/16/2024	20:49	LB133968
	Potassium	23200	25000	93	90 - 110	P	12/16/2024	20:49	LB133968
	Selenium	4960	5000	99	90 - 110	P	12/16/2024	20:49	LB133968
	Silver	1270	1250	101	90 - 110	P	12/16/2024	20:49	LB133968
	Sodium	27000	25000	108	90 - 110	P	12/16/2024	20:49	LB133968
	Thallium	5030	5000	101	90 - 110	P	12/16/2024	20:49	LB133968
	Vanadium	2530	2500	101	90 - 110	P	12/16/2024	20:49	LB133968
	Zinc	2520	2500	101	90 - 110	P	12/16/2024	20:49	LB133968
CCV06	Aluminum	9700	10000	97	90 - 110	P	12/16/2024	21:47	LB133968
	Antimony	4710	5000	94	90 - 110	P	12/16/2024	21:47	LB133968
	Arsenic	4730	5000	95	90 - 110	P	12/16/2024	21:47	LB133968
	Barium	9350	10000	94	90 - 110	P	12/16/2024	21:47	LB133968
	Beryllium	268	250	107	90 - 110	P	12/16/2024	21:47	LB133968
	Cadmium	2510	2500	100	90 - 110	P	12/16/2024	21:47	LB133968
	Calcium	25200	25000	101	90 - 110	P	12/16/2024	21:47	LB133968
	Chromium	1030	1000	103	90 - 110	P	12/16/2024	21:47	LB133968
	Cobalt	2470	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	21:47	LB133968
	Iron	4840	5000	97	90 - 110	P	12/16/2024	21:47	LB133968
	Lead	5020	5000	100	90 - 110	P	12/16/2024	21:47	LB133968
	Magnesium	25600	25000	102	90 - 110	P	12/16/2024	21:47	LB133968
	Manganese	2490	2500	100	90 - 110	P	12/16/2024	21:47	LB133968
	Nickel	2480	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
	Potassium	27100	25000	109	90 - 110	P	12/16/2024	21:47	LB133968
	Selenium	4700	5000	94	90 - 110	P	12/16/2024	21:47	LB133968
	Silver	1250	1250	100	90 - 110	P	12/16/2024	21:47	LB133968
	Sodium	24900	25000	100	90 - 110	P	12/16/2024	21:47	LB133968
	Thallium	4870	5000	97	90 - 110	P	12/16/2024	21:47	LB133968
	Vanadium	2490	2500	100	90 - 110	P	12/16/2024	21:47	LB133968
	Zinc	2470	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
CCV07	Aluminum	9690	10000	97	90 - 110	P	12/16/2024	23:02	LB133968
	Antimony	4630	5000	92	90 - 110	P	12/16/2024	23:02	LB133968
	Arsenic	4700	5000	94	90 - 110	P	12/16/2024	23:02	LB133968
	Barium	9330	10000	93	90 - 110	P	12/16/2024	23:02	LB133968

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Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	232	250	93	90 - 110	P	12/16/2024	23:02	LB133968
	Cadmium	2560	2500	102	90 - 110	P	12/16/2024	23:02	LB133968
	Calcium	25700	25000	103	90 - 110	P	12/16/2024	23:02	LB133968
	Chromium	1050	1000	105	90 - 110	P	12/16/2024	23:02	LB133968
	Cobalt	2500	2500	100	90 - 110	P	12/16/2024	23:02	LB133968
	Copper	1210	1250	96	90 - 110	P	12/16/2024	23:02	LB133968
	Iron	4820	5000	96	90 - 110	P	12/16/2024	23:02	LB133968
	Lead	5100	5000	102	90 - 110	P	12/16/2024	23:02	LB133968
	Magnesium	26300	25000	105	90 - 110	P	12/16/2024	23:02	LB133968
	Manganese	2520	2500	101	90 - 110	P	12/16/2024	23:02	LB133968
	Nickel	2520	2500	101	90 - 110	P	12/16/2024	23:02	LB133968
	Potassium	26900	25000	108	90 - 110	P	12/16/2024	23:02	LB133968
	Selenium	4640	5000	93	90 - 110	P	12/16/2024	23:02	LB133968
	Silver	1250	1250	100	90 - 110	P	12/16/2024	23:02	LB133968
	Sodium	23100	25000	92	90 - 110	P	12/16/2024	23:02	LB133968
	Thallium	4980	5000	100	90 - 110	P	12/16/2024	23:02	LB133968
	Vanadium	2510	2500	100	90 - 110	P	12/16/2024	23:02	LB133968
	Zinc	2460	2500	99	90 - 110	P	12/16/2024	23:02	LB133968
CCV08	Aluminum	9720	10000	97	90 - 110	P	12/16/2024	23:35	LB133968
	Antimony	4760	5000	95	90 - 110	P	12/16/2024	23:35	LB133968
	Arsenic	4800	5000	96	90 - 110	P	12/16/2024	23:35	LB133968
	Barium	9410	10000	94	90 - 110	P	12/16/2024	23:35	LB133968
	Beryllium	274	250	109	90 - 110	P	12/16/2024	23:35	LB133968
	Cadmium	2540	2500	102	90 - 110	P	12/16/2024	23:35	LB133968
	Calcium	25500	25000	102	90 - 110	P	12/16/2024	23:35	LB133968
	Chromium	1050	1000	105	90 - 110	P	12/16/2024	23:35	LB133968
	Cobalt	2500	2500	100	90 - 110	P	12/16/2024	23:35	LB133968
	Copper	1230	1250	99	90 - 110	P	12/16/2024	23:35	LB133968
	Iron	4830	5000	97	90 - 110	P	12/16/2024	23:35	LB133968
	Lead	5070	5000	102	90 - 110	P	12/16/2024	23:35	LB133968
	Magnesium	25900	25000	104	90 - 110	P	12/16/2024	23:35	LB133968
	Manganese	2500	2500	100	90 - 110	P	12/16/2024	23:35	LB133968
	Nickel	2520	2500	101	90 - 110	P	12/16/2024	23:35	LB133968
	Potassium	26700	25000	107	90 - 110	P	12/16/2024	23:35	LB133968

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5283
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283
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
CCV08	Selenium	4760	5000	95	90 - 110	P	12/16/2024	23:35	LB133968
	Silver	1260	1250	101	90 - 110	P	12/16/2024	23:35	LB133968
	Sodium	24300	25000	97	90 - 110	P	12/16/2024	23:35	LB133968
	Thallium	4900	5000	98	90 - 110	P	12/16/2024	23:35	LB133968
	Vanadium	2510	2500	100	90 - 110	P	12/16/2024	23:35	LB133968
	Zinc	2490	2500	100	90 - 110	P	12/16/2024	23:35	LB133968

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5283

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	2410	2500	97	90 - 110	P	12/23/2024	11:17	LB134066
	Antimony	1010	1000	101	90 - 110	P	12/23/2024	11:17	LB134066
	Arsenic	1050	1000	105	90 - 110	P	12/23/2024	11:17	LB134066
	Barium	484	520	93	90 - 110	P	12/23/2024	11:17	LB134066
	Beryllium	472	510	93	90 - 110	P	12/23/2024	11:17	LB134066
	Cadmium	508	510	100	90 - 110	P	12/23/2024	11:17	LB134066
	Calcium	9500	10000	95	90 - 110	P	12/23/2024	11:17	LB134066
	Chromium	532	520	102	90 - 110	P	12/23/2024	11:17	LB134066
	Cobalt	516	520	99	90 - 110	P	12/23/2024	11:17	LB134066
	Copper	530	510	104	90 - 110	P	12/23/2024	11:17	LB134066
	Iron	10200	10000	102	90 - 110	P	12/23/2024	11:17	LB134066
	Lead	1020	1000	102	90 - 110	P	12/23/2024	11:17	LB134066
	Magnesium	5570	6000	93	90 - 110	P	12/23/2024	11:17	LB134066
	Manganese	490	520	94	90 - 110	P	12/23/2024	11:17	LB134066
	Nickel	519	530	98	90 - 110	P	12/23/2024	11:17	LB134066
	Potassium	9950	9900	100	90 - 110	P	12/23/2024	11:17	LB134066
	Selenium	1050	1000	105	90 - 110	P	12/23/2024	11:17	LB134066
	Silver	260	250	104	90 - 110	P	12/23/2024	11:17	LB134066
	Sodium	9710	10000	97	90 - 110	P	12/23/2024	11:17	LB134066
	Thallium	1020	1000	102	90 - 110	P	12/23/2024	11:17	LB134066
	Vanadium	470	500	94	90 - 110	P	12/23/2024	11:17	LB134066
	Zinc	1030	1000	103	90 - 110	P	12/23/2024	11:17	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5283
Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283
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	99.3	100	99	80 - 120	P	12/23/2024	11:37	LB134066
	Antimony	50.0	50.0	100	80 - 120	P	12/23/2024	11:37	LB134066
	Arsenic	20.6	20.0	103	80 - 120	P	12/23/2024	11:37	LB134066
	Barium	90.4	100	90	80 - 120	P	12/23/2024	11:37	LB134066
	Beryllium	5.75	6.0	96	80 - 120	P	12/23/2024	11:37	LB134066
	Cadmium	5.89	6.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Calcium	1970	2000	98	80 - 120	P	12/23/2024	11:37	LB134066
	Chromium	9.87	10.0	99	80 - 120	P	12/23/2024	11:37	LB134066
	Cobalt	29.2	30.0	97	80 - 120	P	12/23/2024	11:37	LB134066
	Copper	21.8	20.0	109	80 - 120	P	12/23/2024	11:37	LB134066
	Iron	105	100	104	80 - 120	P	12/23/2024	11:37	LB134066
	Lead	12.0	12.0	100	80 - 120	P	12/23/2024	11:37	LB134066
	Magnesium	2020	2000	101	80 - 120	P	12/23/2024	11:37	LB134066
	Manganese	19.5	20.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Nickel	39.3	40.0	98	80 - 120	P	12/23/2024	11:37	LB134066
	Potassium	1870	2000	94	80 - 120	P	12/23/2024	11:37	LB134066
	Selenium	19.0	20.0	95	80 - 120	P	12/23/2024	11:37	LB134066
	Silver	10.8	10.0	108	80 - 120	P	12/23/2024	11:37	LB134066
	Sodium	1800	2000	90	80 - 120	P	12/23/2024	11:37	LB134066
	Thallium	40.5	40.0	101	80 - 120	P	12/23/2024	11:37	LB134066
	Vanadium	38.0	40.0	95	80 - 120	P	12/23/2024	11:37	LB134066
	Zinc	45.7	40.0	114	80 - 120	P	12/23/2024	11:37	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5283

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	9870	10000	99	90 - 110	P	12/23/2024	12:31	LB134066
	Antimony	5170	5000	103	90 - 110	P	12/23/2024	12:31	LB134066
	Arsenic	5110	5000	102	90 - 110	P	12/23/2024	12:31	LB134066
	Barium	9710	10000	97	90 - 110	P	12/23/2024	12:31	LB134066
	Beryllium	232	250	93	90 - 110	P	12/23/2024	12:31	LB134066
	Cadmium	2450	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
	Calcium	23800	25000	95	90 - 110	P	12/23/2024	12:31	LB134066
	Chromium	998	1000	100	90 - 110	P	12/23/2024	12:31	LB134066
	Cobalt	2460	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
	Copper	1280	1250	102	90 - 110	P	12/23/2024	12:31	LB134066
	Iron	5080	5000	102	90 - 110	P	12/23/2024	12:31	LB134066
	Lead	4890	5000	98	90 - 110	P	12/23/2024	12:31	LB134066
	Magnesium	23600	25000	94	90 - 110	P	12/23/2024	12:31	LB134066
	Manganese	2380	2500	95	90 - 110	P	12/23/2024	12:31	LB134066
	Nickel	2470	2500	99	90 - 110	P	12/23/2024	12:31	LB134066
	Potassium	25700	25000	103	90 - 110	P	12/23/2024	12:31	LB134066
	Selenium	5190	5000	104	90 - 110	P	12/23/2024	12:31	LB134066
	Silver	1250	1250	100	90 - 110	P	12/23/2024	12:31	LB134066
	Sodium	25200	25000	101	90 - 110	P	12/23/2024	12:31	LB134066
	Thallium	5150	5000	103	90 - 110	P	12/23/2024	12:31	LB134066
	Vanadium	2440	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	12:31	LB134066
CCV02	Aluminum	10200	10000	102	90 - 110	P	12/23/2024	13:43	LB134066
	Antimony	5450	5000	109	90 - 110	P	12/23/2024	13:43	LB134066
	Arsenic	5360	5000	107	90 - 110	P	12/23/2024	13:43	LB134066
	Barium	10100	10000	101	90 - 110	P	12/23/2024	13:43	LB134066
	Beryllium	230	250	92	90 - 110	P	12/23/2024	13:43	LB134066
	Cadmium	2500	2500	100	90 - 110	P	12/23/2024	13:43	LB134066
	Calcium	24000	25000	96	90 - 110	P	12/23/2024	13:43	LB134066
	Chromium	1000	1000	100	90 - 110	P	12/23/2024	13:43	LB134066
	Cobalt	2520	2500	101	90 - 110	P	12/23/2024	13:43	LB134066
	Copper	1340	1250	107	90 - 110	P	12/23/2024	13:43	LB134066
	Iron	5260	5000	105	90 - 110	P	12/23/2024	13:43	LB134066
	Lead	4990	5000	100	90 - 110	P	12/23/2024	13:43	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5283

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	23600	25000	94	90 - 110	P	12/23/2024	13:43	LB134066
	Manganese	2410	2500	96	90 - 110	P	12/23/2024	13:43	LB134066
	Nickel	2530	2500	101	90 - 110	P	12/23/2024	13:43	LB134066
	Potassium	27300	25000	109	90 - 110	P	12/23/2024	13:43	LB134066
	Selenium	5480	5000	110	90 - 110	P	12/23/2024	13:43	LB134066
	Silver	1270	1250	102	90 - 110	P	12/23/2024	13:43	LB134066
	Sodium	26600	25000	106	90 - 110	P	12/23/2024	13:43	LB134066
	Thallium	5230	5000	105	90 - 110	P	12/23/2024	13:43	LB134066
	Vanadium	2490	2500	100	90 - 110	P	12/23/2024	13:43	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	13:43	LB134066
CCV03	Aluminum	10200	10000	102	90 - 110	P	12/23/2024	14:07	LB134066
	Antimony	5490	5000	110	90 - 110	P	12/23/2024	14:07	LB134066
	Arsenic	5340	5000	107	90 - 110	P	12/23/2024	14:07	LB134066
	Barium	10200	10000	102	90 - 110	P	12/23/2024	14:07	LB134066
	Beryllium	230	250	92	90 - 110	P	12/23/2024	14:07	LB134066
	Cadmium	2470	2500	99	90 - 110	P	12/23/2024	14:07	LB134066
	Calcium	24000	25000	96	90 - 110	P	12/23/2024	14:07	LB134066
	Chromium	1000	1000	100	90 - 110	P	12/23/2024	14:07	LB134066
	Cobalt	2500	2500	100	90 - 110	P	12/23/2024	14:07	LB134066
	Copper	1340	1250	107	90 - 110	P	12/23/2024	14:07	LB134066
	Iron	5200	5000	104	90 - 110	P	12/23/2024	14:07	LB134066
	Lead	4940	5000	99	90 - 110	P	12/23/2024	14:07	LB134066
	Magnesium	23400	25000	94	90 - 110	P	12/23/2024	14:07	LB134066
	Manganese	2400	2500	96	90 - 110	P	12/23/2024	14:07	LB134066
	Nickel	2510	2500	100	90 - 110	P	12/23/2024	14:07	LB134066
	Potassium	27200	25000	109	90 - 110	P	12/23/2024	14:07	LB134066
	Selenium	5480	5000	110	90 - 110	P	12/23/2024	14:07	LB134066
	Silver	1270	1250	102	90 - 110	P	12/23/2024	14:07	LB134066
	Sodium	26100	25000	104	90 - 110	P	12/23/2024	14:07	LB134066
	Thallium	5190	5000	104	90 - 110	P	12/23/2024	14:07	LB134066
CCV04	Vanadium	2490	2500	100	90 - 110	P	12/23/2024	14:07	LB134066
	Zinc	2450	2500	98	90 - 110	P	12/23/2024	14:07	LB134066
	Aluminum	10000	10000	100	90 - 110	P	12/23/2024	15:06	LB134066
	Antimony	5310	5000	106	90 - 110	P	12/23/2024	15:06	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. SDG No.: P5283
Contract: TETR06 Lab Code: CHEM Case No.: P5283 SAS No.: P5283
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	5210	5000	104	90 - 110	P	12/23/2024	15:06	LB134066
	Barium	9720	10000	97	90 - 110	P	12/23/2024	15:06	LB134066
	Beryllium	226	250	90	90 - 110	P	12/23/2024	15:06	LB134066
	Cadmium	2450	2500	98	90 - 110	P	12/23/2024	15:06	LB134066
	Calcium	23400	25000	94	90 - 110	P	12/23/2024	15:06	LB134066
	Chromium	998	1000	100	90 - 110	P	12/23/2024	15:06	LB134066
	Cobalt	2460	2500	98	90 - 110	P	12/23/2024	15:06	LB134066
	Copper	1300	1250	104	90 - 110	P	12/23/2024	15:06	LB134066
	Iron	5150	5000	103	90 - 110	P	12/23/2024	15:06	LB134066
	Lead	4870	5000	97	90 - 110	P	12/23/2024	15:06	LB134066
	Magnesium	23100	25000	92	90 - 110	P	12/23/2024	15:06	LB134066
	Manganese	2330	2500	93	90 - 110	P	12/23/2024	15:06	LB134066
	Nickel	2480	2500	99	90 - 110	P	12/23/2024	15:06	LB134066
	Potassium	26400	25000	106	90 - 110	P	12/23/2024	15:06	LB134066
	Selenium	5340	5000	107	90 - 110	P	12/23/2024	15:06	LB134066
	Silver	1250	1250	100	90 - 110	P	12/23/2024	15:06	LB134066
	Sodium	24200	25000	97	90 - 110	P	12/23/2024	15:06	LB134066
	Thallium	5280	5000	106	90 - 110	P	12/23/2024	15:06	LB134066
	Vanadium	2440	2500	98	90 - 110	P	12/23/2024	15:06	LB134066
	Zinc	2350	2500	94	90 - 110	P	12/23/2024	15:06	LB134066
CCV05	Aluminum	10300	10000	103	90 - 110	P	12/23/2024	16:06	LB134066
	Antimony	5490	5000	110	90 - 110	P	12/23/2024	16:06	LB134066
	Arsenic	5380	5000	108	90 - 110	P	12/23/2024	16:06	LB134066
	Barium	9910	10000	99	90 - 110	P	12/23/2024	16:06	LB134066
	Beryllium	227	250	91	90 - 110	P	12/23/2024	16:06	LB134066
	Cadmium	2470	2500	99	90 - 110	P	12/23/2024	16:06	LB134066
	Calcium	23700	25000	95	90 - 110	P	12/23/2024	16:06	LB134066
	Chromium	1010	1000	101	90 - 110	P	12/23/2024	16:06	LB134066
	Cobalt	2490	2500	100	90 - 110	P	12/23/2024	16:06	LB134066
	Copper	1340	1250	108	90 - 110	P	12/23/2024	16:06	LB134066
	Iron	5240	5000	105	90 - 110	P	12/23/2024	16:06	LB134066
	Lead	4920	5000	98	90 - 110	P	12/23/2024	16:06	LB134066
	Magnesium	23200	25000	93	90 - 110	P	12/23/2024	16:06	LB134066
	Manganese	2360	2500	94	90 - 110	P	12/23/2024	16:06	LB134066

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** P5283

Contract: TETR06 **Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283

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	2510	2500	100	90 - 110	P	12/23/2024	16:06	LB134066
	Potassium	27100	25000	108	90 - 110	P	12/23/2024	16:06	LB134066
	Selenium	5500	5000	110	90 - 110	P	12/23/2024	16:06	LB134066
	Silver	1270	1250	102	90 - 110	P	12/23/2024	16:06	LB134066
	Sodium	25000	25000	100	90 - 110	P	12/23/2024	16:06	LB134066
	Thallium	5080	5000	102	90 - 110	P	12/23/2024	16:06	LB134066
	Vanadium	2490	2500	100	90 - 110	P	12/23/2024	16:06	LB134066
	Zinc	2350	2500	94	90 - 110	P	12/23/2024	16:06	LB134066
CCV06	Aluminum	10300	10000	103	90 - 110	P	12/23/2024	16:54	LB134066
	Antimony	5440	5000	109	90 - 110	P	12/23/2024	16:54	LB134066
	Arsenic	5350	5000	107	90 - 110	P	12/23/2024	16:54	LB134066
	Barium	10100	10000	101	90 - 110	P	12/23/2024	16:54	LB134066
	Beryllium	243	250	97	90 - 110	P	12/23/2024	16:54	LB134066
	Cadmium	2540	2500	102	90 - 110	P	12/23/2024	16:54	LB134066
	Calcium	24500	25000	98	90 - 110	P	12/23/2024	16:54	LB134066
	Chromium	1040	1000	104	90 - 110	P	12/23/2024	16:54	LB134066
	Cobalt	2540	2500	102	90 - 110	P	12/23/2024	16:54	LB134066
	Copper	1350	1250	108	90 - 110	P	12/23/2024	16:54	LB134066
	Iron	5220	5000	104	90 - 110	P	12/23/2024	16:54	LB134066
	Lead	5030	5000	100	90 - 110	P	12/23/2024	16:54	LB134066
	Magnesium	24200	25000	97	90 - 110	P	12/23/2024	16:54	LB134066
	Manganese	2430	2500	97	90 - 110	P	12/23/2024	16:54	LB134066
	Nickel	2560	2500	102	90 - 110	P	12/23/2024	16:54	LB134066
	Potassium	26600	25000	106	90 - 110	P	12/23/2024	16:54	LB134066
	Selenium	5460	5000	109	90 - 110	P	12/23/2024	16:54	LB134066
	Silver	1280	1250	103	90 - 110	P	12/23/2024	16:54	LB134066
	Sodium	24700	25000	99	90 - 110	P	12/23/2024	16:54	LB134066
	Thallium	5270	5000	105	90 - 110	P	12/23/2024	16:54	LB134066
	Vanadium	2540	2500	101	90 - 110	P	12/23/2024	16:54	LB134066
	Zinc	2340	2500	94	90 - 110	P	12/23/2024	16:54	LB134066