

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663
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
ICV68	Mercury	4.12	4.0	103	90 - 110	CV	11/04/2024	14:11	LB133275

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663
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	5.29	5.0	106	90 - 110	CV	11/04/2024	14:18	LB133275
CCV23	Mercury	5.34	5.0	107	90 - 110	CV	11/04/2024	14:48	LB133275
CCV24	Mercury	5.37	5.0	107	90 - 110	CV	11/04/2024	15:18	LB133275
CCV25	Mercury	5.41	5.0	108	90 - 110	CV	11/04/2024	15:43	LB133275

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company SDG No.: P4663
Contract: UNIO02 Lab Code: CHEM Case No.: P4663 SAS No.: P4663
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	2490	2500	99	90 - 110	P	11/04/2024	17:28	LB133296
	Antimony	999	1000	100	90 - 110	P	11/04/2024	17:28	LB133296
	Arsenic	948	1000	95	90 - 110	P	11/04/2024	17:28	LB133296
	Barium	494	520	95	90 - 110	P	11/04/2024	17:28	LB133296
	Beryllium	533	510	105	90 - 110	P	11/04/2024	17:28	LB133296
	Cadmium	485	510	95	90 - 110	P	11/04/2024	17:28	LB133296
	Calcium	9920	10000	99	90 - 110	P	11/04/2024	17:28	LB133296
	Chromium	545	520	105	90 - 110	P	11/04/2024	17:28	LB133296
	Cobalt	513	520	99	90 - 110	P	11/04/2024	17:28	LB133296
	Copper	528	510	104	90 - 110	P	11/04/2024	17:28	LB133296
	Iron	9840	10000	98	90 - 110	P	11/04/2024	17:28	LB133296
	Lead	979	1000	98	90 - 110	P	11/04/2024	17:28	LB133296
	Magnesium	6070	6000	101	90 - 110	P	11/04/2024	17:28	LB133296
	Manganese	510	520	98	90 - 110	P	11/04/2024	17:28	LB133296
	Nickel	515	530	97	90 - 110	P	11/04/2024	17:28	LB133296
	Potassium	9580	9900	97	90 - 110	P	11/04/2024	17:28	LB133296
	Selenium	989	1000	99	90 - 110	P	11/04/2024	17:28	LB133296
	Silver	260	250	104	90 - 110	P	11/04/2024	17:28	LB133296
	Sodium	9470	10000	95	90 - 110	P	11/04/2024	17:28	LB133296
	Thallium	1090	1000	109	90 - 110	P	11/04/2024	17:28	LB133296
	Vanadium	493	500	99	90 - 110	P	11/04/2024	17:28	LB133296
	Zinc	1010	1000	102	90 - 110	P	11/04/2024	17:28	LB133296

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663
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	110	100	110	80 - 120	P	11/04/2024	17:37	LB133296
	Antimony	50.7	50.0	101	80 - 120	P	11/04/2024	17:37	LB133296
	Arsenic	19.2	20.0	96	80 - 120	P	11/04/2024	17:37	LB133296
	Barium	106	100	106	80 - 120	P	11/04/2024	17:37	LB133296
	Beryllium	6.34	6.0	106	80 - 120	P	11/04/2024	17:37	LB133296
	Cadmium	6.64	6.0	111	80 - 120	P	11/04/2024	17:37	LB133296
	Calcium	2050	2000	102	80 - 120	P	11/04/2024	17:37	LB133296
	Chromium	10.9	10.0	109	80 - 120	P	11/04/2024	17:37	LB133296
	Cobalt	30.9	30.0	103	80 - 120	P	11/04/2024	17:37	LB133296
	Copper	23.3	20.0	116	80 - 120	P	11/04/2024	17:37	LB133296
	Iron	102	100	102	80 - 120	P	11/04/2024	17:37	LB133296
	Lead	11.8	12.0	98	80 - 120	P	11/04/2024	17:37	LB133296
	Magnesium	2120	2000	106	80 - 120	P	11/04/2024	17:37	LB133296
	Manganese	20.9	20.0	105	80 - 120	P	11/04/2024	17:37	LB133296
	Nickel	41.1	40.0	103	80 - 120	P	11/04/2024	17:37	LB133296
	Potassium	1880	2000	94	80 - 120	P	11/04/2024	17:37	LB133296
	Selenium	17.6	20.0	88	80 - 120	P	11/04/2024	17:37	LB133296
	Silver	10.4	10.0	104	80 - 120	P	11/04/2024	17:37	LB133296
	Sodium	1950	2000	98	80 - 120	P	11/04/2024	17:37	LB133296
	Thallium	40.7	40.0	102	80 - 120	P	11/04/2024	17:37	LB133296
	Vanadium	40.3	40.0	101	80 - 120	P	11/04/2024	17:37	LB133296
	Zinc	44.0	40.0	110	80 - 120	P	11/04/2024	17:37	LB133296

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company SDG No.: P4663
Contract: UNIO02 Lab Code: CHEM Case No.: P4663 SAS No.: P4663
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	11/04/2024	18:11	LB133296
	Antimony	4940	5000	99	90 - 110	P	11/04/2024	18:11	LB133296
	Arsenic	5050	5000	101	90 - 110	P	11/04/2024	18:11	LB133296
	Barium	9740	10000	97	90 - 110	P	11/04/2024	18:11	LB133296
	Beryllium	265	250	106	90 - 110	P	11/04/2024	18:11	LB133296
	Cadmium	2560	2500	102	90 - 110	P	11/04/2024	18:11	LB133296
	Calcium	25000	25000	100	90 - 110	P	11/04/2024	18:11	LB133296
	Chromium	1050	1000	105	90 - 110	P	11/04/2024	18:11	LB133296
	Cobalt	2520	2500	101	90 - 110	P	11/04/2024	18:11	LB133296
	Copper	1260	1250	101	90 - 110	P	11/04/2024	18:11	LB133296
	Iron	4950	5000	99	90 - 110	P	11/04/2024	18:11	LB133296
	Lead	5120	5000	102	90 - 110	P	11/04/2024	18:11	LB133296
	Magnesium	25700	25000	103	90 - 110	P	11/04/2024	18:11	LB133296
	Manganese	2490	2500	100	90 - 110	P	11/04/2024	18:11	LB133296
	Nickel	2520	2500	101	90 - 110	P	11/04/2024	18:11	LB133296
	Potassium	24600	25000	98	90 - 110	P	11/04/2024	18:11	LB133296
	Selenium	5110	5000	102	90 - 110	P	11/04/2024	18:11	LB133296
	Silver	1280	1250	102	90 - 110	P	11/04/2024	18:11	LB133296
	Sodium	24800	25000	99	90 - 110	P	11/04/2024	18:11	LB133296
	Thallium	4720	5000	94	90 - 110	P	11/04/2024	18:11	LB133296
	Vanadium	2480	2500	99	90 - 110	P	11/04/2024	18:11	LB133296
	Zinc	2540	2500	102	90 - 110	P	11/04/2024	18:11	LB133296
CCV02	Aluminum	10400	10000	104	90 - 110	P	11/04/2024	19:02	LB133296
	Antimony	5220	5000	104	90 - 110	P	11/04/2024	19:02	LB133296
	Arsenic	5310	5000	106	90 - 110	P	11/04/2024	19:02	LB133296
	Barium	10200	10000	102	90 - 110	P	11/04/2024	19:02	LB133296
	Beryllium	267	250	107	90 - 110	P	11/04/2024	19:02	LB133296
	Cadmium	2670	2500	107	90 - 110	P	11/04/2024	19:02	LB133296
	Calcium	26000	25000	104	90 - 110	P	11/04/2024	19:02	LB133296
	Chromium	1060	1000	106	90 - 110	P	11/04/2024	19:02	LB133296
	Cobalt	2630	2500	105	90 - 110	P	11/04/2024	19:02	LB133296
	Copper	1320	1250	105	90 - 110	P	11/04/2024	19:02	LB133296
	Iron	5200	5000	104	90 - 110	P	11/04/2024	19:02	LB133296
	Lead	5320	5000	106	90 - 110	P	11/04/2024	19:02	LB133296

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	26200	25000	105	90 - 110	P	11/04/2024	19:02	LB133296
	Manganese	2520	2500	101	90 - 110	P	11/04/2024	19:02	LB133296
	Nickel	2640	2500	106	90 - 110	P	11/04/2024	19:02	LB133296
	Potassium	26500	25000	106	90 - 110	P	11/04/2024	19:02	LB133296
	Selenium	5390	5000	108	90 - 110	P	11/04/2024	19:02	LB133296
	Silver	1330	1250	107	90 - 110	P	11/04/2024	19:02	LB133296
	Sodium	26400	25000	106	90 - 110	P	11/04/2024	19:02	LB133296
	Thallium	4920	5000	98	90 - 110	P	11/04/2024	19:02	LB133296
	Vanadium	2560	2500	102	90 - 110	P	11/04/2024	19:02	LB133296
	Zinc	2650	2500	106	90 - 110	P	11/04/2024	19:02	LB133296
CCV03	Aluminum	10300	10000	102	90 - 110	P	11/04/2024	19:46	LB133296
	Antimony	5190	5000	104	90 - 110	P	11/04/2024	19:46	LB133296
	Arsenic	5310	5000	106	90 - 110	P	11/04/2024	19:46	LB133296
	Barium	10100	10000	101	90 - 110	P	11/04/2024	19:46	LB133296
	Beryllium	266	250	106	90 - 110	P	11/04/2024	19:46	LB133296
	Cadmium	2660	2500	106	90 - 110	P	11/04/2024	19:46	LB133296
	Calcium	25500	25000	102	90 - 110	P	11/04/2024	19:46	LB133296
	Chromium	1090	1000	109	90 - 110	P	11/04/2024	19:46	LB133296
	Cobalt	2620	2500	105	90 - 110	P	11/04/2024	19:46	LB133296
	Copper	1310	1250	105	90 - 110	P	11/04/2024	19:46	LB133296
	Iron	5040	5000	101	90 - 110	P	11/04/2024	19:46	LB133296
	Lead	5320	5000	106	90 - 110	P	11/04/2024	19:46	LB133296
	Magnesium	25900	25000	104	90 - 110	P	11/04/2024	19:46	LB133296
	Manganese	2480	2500	99	90 - 110	P	11/04/2024	19:46	LB133296
	Nickel	2630	2500	105	90 - 110	P	11/04/2024	19:46	LB133296
	Potassium	26500	25000	106	90 - 110	P	11/04/2024	19:46	LB133296
	Selenium	5390	5000	108	90 - 110	P	11/04/2024	19:46	LB133296
	Silver	1320	1250	106	90 - 110	P	11/04/2024	19:46	LB133296
	Sodium	22800	25000	91	90 - 110	P	11/04/2024	19:46	LB133296
	Thallium	4830	5000	97	90 - 110	P	11/04/2024	19:46	LB133296
	Vanadium	2520	2500	101	90 - 110	P	11/04/2024	19:46	LB133296
	Zinc	2620	2500	105	90 - 110	P	11/04/2024	19:46	LB133296
CCV04	Aluminum	10100	10000	101	90 - 110	P	11/04/2024	21:07	LB133296
	Antimony	5260	5000	105	90 - 110	P	11/04/2024	21:07	LB133296

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company SDG No.: P4663
Contract: UNIO02 Lab Code: CHEM Case No.: P4663 SAS No.: P4663
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	11/04/2024	21:07	LB133296
	Barium	10200	10000	102	90 - 110	P	11/04/2024	21:07	LB133296
	Beryllium	248	250	99	90 - 110	P	11/04/2024	21:07	LB133296
	Cadmium	2530	2500	101	90 - 110	P	11/04/2024	21:07	LB133296
	Calcium	24900	25000	99	90 - 110	P	11/04/2024	21:07	LB133296
	Chromium	1050	1000	105	90 - 110	P	11/04/2024	21:07	LB133296
	Cobalt	2540	2500	102	90 - 110	P	11/04/2024	21:07	LB133296
	Copper	1290	1250	103	90 - 110	P	11/04/2024	21:07	LB133296
	Iron	5270	5000	105	90 - 110	P	11/04/2024	21:07	LB133296
	Lead	5020	5000	100	90 - 110	P	11/04/2024	21:07	LB133296
	Magnesium	24800	25000	99	90 - 110	P	11/04/2024	21:07	LB133296
	Manganese	2470	2500	99	90 - 110	P	11/04/2024	21:07	LB133296
	Nickel	2540	2500	102	90 - 110	P	11/04/2024	21:07	LB133296
	Potassium	25700	25000	103	90 - 110	P	11/04/2024	21:07	LB133296
	Selenium	5300	5000	106	90 - 110	P	11/04/2024	21:07	LB133296
	Silver	1310	1250	105	90 - 110	P	11/04/2024	21:07	LB133296
	Sodium	26800	25000	107	90 - 110	P	11/04/2024	21:07	LB133296
	Thallium	4740	5000	95	90 - 110	P	11/04/2024	21:07	LB133296
	Vanadium	2510	2500	100	90 - 110	P	11/04/2024	21:07	LB133296
	Zinc	2610	2500	104	90 - 110	P	11/04/2024	21:07	LB133296
CCV05	Aluminum	9940	10000	99	90 - 110	P	11/04/2024	21:47	LB133296
	Antimony	5110	5000	102	90 - 110	P	11/04/2024	21:47	LB133296
	Arsenic	5110	5000	102	90 - 110	P	11/04/2024	21:47	LB133296
	Barium	10100	10000	101	90 - 110	P	11/04/2024	21:47	LB133296
	Beryllium	254	250	102	90 - 110	P	11/04/2024	21:47	LB133296
	Cadmium	2520	2500	101	90 - 110	P	11/04/2024	21:47	LB133296
	Calcium	24600	25000	99	90 - 110	P	11/04/2024	21:47	LB133296
	Chromium	1040	1000	104	90 - 110	P	11/04/2024	21:47	LB133296
	Cobalt	2520	2500	101	90 - 110	P	11/04/2024	21:47	LB133296
	Copper	1270	1250	101	90 - 110	P	11/04/2024	21:47	LB133296
	Iron	5030	5000	101	90 - 110	P	11/04/2024	21:47	LB133296
	Lead	5020	5000	100	90 - 110	P	11/04/2024	21:47	LB133296
	Magnesium	24800	25000	99	90 - 110	P	11/04/2024	21:47	LB133296
	Manganese	2470	2500	99	90 - 110	P	11/04/2024	21:47	LB133296

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663
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	101	90 - 110	P	11/04/2024	21:47	LB133296
	Potassium	26600	25000	106	90 - 110	P	11/04/2024	21:47	LB133296
	Selenium	5180	5000	104	90 - 110	P	11/04/2024	21:47	LB133296
	Silver	1290	1250	103	90 - 110	P	11/04/2024	21:47	LB133296
	Sodium	25500	25000	102	90 - 110	P	11/04/2024	21:47	LB133296
	Thallium	4730	5000	95	90 - 110	P	11/04/2024	21:47	LB133296
	Vanadium	2470	2500	99	90 - 110	P	11/04/2024	21:47	LB133296
	Zinc	2570	2500	103	90 - 110	P	11/04/2024	21:47	LB133296

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	2550	2500	102	90 - 110	P	11/06/2024	17:34	LB133323
	Antimony	981	1000	98	90 - 110	P	11/06/2024	17:34	LB133323
	Arsenic	1010	1000	101	90 - 110	P	11/06/2024	17:34	LB133323
	Barium	522	520	100	90 - 110	P	11/06/2024	17:34	LB133323
	Beryllium	520	510	102	90 - 110	P	11/06/2024	17:34	LB133323
	Cadmium	500	510	98	90 - 110	P	11/06/2024	17:34	LB133323
	Calcium	10200	10000	102	90 - 110	P	11/06/2024	17:34	LB133323
	Chromium	529	520	102	90 - 110	P	11/06/2024	17:34	LB133323
	Cobalt	506	520	97	90 - 110	P	11/06/2024	17:34	LB133323
	Copper	516	510	101	90 - 110	P	11/06/2024	17:34	LB133323
	Iron	10100	10000	101	90 - 110	P	11/06/2024	17:34	LB133323
	Lead	1000	1000	100	90 - 110	P	11/06/2024	17:34	LB133323
	Magnesium	5990	6000	100	90 - 110	P	11/06/2024	17:34	LB133323
	Manganese	526	520	101	90 - 110	P	11/06/2024	17:34	LB133323
	Nickel	509	530	96	90 - 110	P	11/06/2024	17:34	LB133323
	Potassium	9880	9900	100	90 - 110	P	11/06/2024	17:34	LB133323
	Selenium	1010	1000	101	90 - 110	P	11/06/2024	17:34	LB133323
	Silver	258	250	103	90 - 110	P	11/06/2024	17:34	LB133323
	Sodium	9370	10000	94	90 - 110	P	11/06/2024	17:34	LB133323
	Thallium	1050	1000	105	90 - 110	P	11/06/2024	17:34	LB133323
	Vanadium	503	500	101	90 - 110	P	11/06/2024	17:34	LB133323
	Zinc	1050	1000	104	90 - 110	P	11/06/2024	17:34	LB133323

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	11/06/2024	17:38	LB133323
	Antimony	48.9	50.0	98	80 - 120	P	11/06/2024	17:38	LB133323
	Arsenic	19.2	20.0	96	80 - 120	P	11/06/2024	17:38	LB133323
	Barium	104	100	104	80 - 120	P	11/06/2024	17:38	LB133323
	Beryllium	6.08	6.0	101	80 - 120	P	11/06/2024	17:38	LB133323
	Cadmium	6.52	6.0	109	80 - 120	P	11/06/2024	17:38	LB133323
	Calcium	2060	2000	103	80 - 120	P	11/06/2024	17:38	LB133323
	Chromium	9.84	10.0	98	80 - 120	P	11/06/2024	17:38	LB133323
	Cobalt	29.1	30.0	97	80 - 120	P	11/06/2024	17:38	LB133323
	Copper	21.7	20.0	108	80 - 120	P	11/06/2024	17:38	LB133323
	Iron	95.1	100	95	80 - 120	P	11/06/2024	17:38	LB133323
	Lead	12.2	12.0	102	80 - 120	P	11/06/2024	17:38	LB133323
	Magnesium	2030	2000	102	80 - 120	P	11/06/2024	17:38	LB133323
	Manganese	21.2	20.0	106	80 - 120	P	11/06/2024	17:38	LB133323
	Nickel	40.6	40.0	102	80 - 120	P	11/06/2024	17:38	LB133323
	Potassium	1990	2000	99	80 - 120	P	11/06/2024	17:38	LB133323
	Selenium	20.1	20.0	100	80 - 120	P	11/06/2024	17:38	LB133323
	Silver	10.1	10.0	101	80 - 120	P	11/06/2024	17:38	LB133323
	Sodium	1680	2000	84	80 - 120	P	11/06/2024	17:38	LB133323
	Thallium	41.1	40.0	103	80 - 120	P	11/06/2024	17:38	LB133323
	Vanadium	40.9	40.0	102	80 - 120	P	11/06/2024	17:38	LB133323
	Zinc	44.7	40.0	112	80 - 120	P	11/06/2024	17:38	LB133323

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	10100	10000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Antimony	5020	5000	100	90 - 110	P	11/06/2024	18:23	LB133323
	Arsenic	5050	5000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Barium	10300	10000	103	90 - 110	P	11/06/2024	18:23	LB133323
	Beryllium	255	250	102	90 - 110	P	11/06/2024	18:23	LB133323
	Cadmium	2500	2500	100	90 - 110	P	11/06/2024	18:23	LB133323
	Calcium	25300	25000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Chromium	1010	1000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Cobalt	2490	2500	100	90 - 110	P	11/06/2024	18:23	LB133323
	Copper	1260	1250	101	90 - 110	P	11/06/2024	18:23	LB133323
	Iron	4970	5000	99	90 - 110	P	11/06/2024	18:23	LB133323
	Lead	5010	5000	100	90 - 110	P	11/06/2024	18:23	LB133323
	Magnesium	25100	25000	100	90 - 110	P	11/06/2024	18:23	LB133323
	Manganese	2540	2500	102	90 - 110	P	11/06/2024	18:23	LB133323
	Nickel	2500	2500	100	90 - 110	P	11/06/2024	18:23	LB133323
	Potassium	24900	25000	100	90 - 110	P	11/06/2024	18:23	LB133323
	Selenium	5060	5000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Silver	1250	1250	100	90 - 110	P	11/06/2024	18:23	LB133323
	Sodium	25800	25000	103	90 - 110	P	11/06/2024	18:23	LB133323
	Thallium	5280	5000	106	90 - 110	P	11/06/2024	18:23	LB133323
	Vanadium	2530	2500	101	90 - 110	P	11/06/2024	18:23	LB133323
	Zinc	2470	2500	99	90 - 110	P	11/06/2024	18:23	LB133323
CCV02	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	18:39	LB133323
	Antimony	4960	5000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Arsenic	4940	5000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Barium	10100	10000	101	90 - 110	P	11/06/2024	18:39	LB133323
	Beryllium	256	250	102	90 - 110	P	11/06/2024	18:39	LB133323
	Cadmium	2480	2500	99	90 - 110	P	11/06/2024	18:39	LB133323
	Calcium	25300	25000	101	90 - 110	P	11/06/2024	18:39	LB133323
	Chromium	993	1000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Cobalt	2480	2500	99	90 - 110	P	11/06/2024	18:39	LB133323
	Copper	1240	1250	99	90 - 110	P	11/06/2024	18:39	LB133323
	Iron	4880	5000	98	90 - 110	P	11/06/2024	18:39	LB133323
	Lead	4970	5000	99	90 - 110	P	11/06/2024	18:39	LB133323

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	25100	25000	100	90 - 110	P	11/06/2024	18:39	LB133323
	Manganese	2540	2500	102	90 - 110	P	11/06/2024	18:39	LB133323
	Nickel	2480	2500	99	90 - 110	P	11/06/2024	18:39	LB133323
	Potassium	24200	25000	97	90 - 110	P	11/06/2024	18:39	LB133323
	Selenium	4960	5000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Silver	1230	1250	99	90 - 110	P	11/06/2024	18:39	LB133323
	Sodium	24700	25000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Thallium	5160	5000	103	90 - 110	P	11/06/2024	18:39	LB133323
	Vanadium	2530	2500	101	90 - 110	P	11/06/2024	18:39	LB133323
	Zinc	2430	2500	97	90 - 110	P	11/06/2024	18:39	LB133323
CCV03	Aluminum	9900	10000	99	90 - 110	P	11/06/2024	19:32	LB133323
	Antimony	4880	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Arsenic	4870	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Barium	10100	10000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Beryllium	254	250	102	90 - 110	P	11/06/2024	19:32	LB133323
	Cadmium	2450	2500	98	90 - 110	P	11/06/2024	19:32	LB133323
	Calcium	25100	25000	100	90 - 110	P	11/06/2024	19:32	LB133323
	Chromium	1010	1000	100	90 - 110	P	11/06/2024	19:32	LB133323
	Cobalt	2450	2500	98	90 - 110	P	11/06/2024	19:32	LB133323
	Copper	1220	1250	98	90 - 110	P	11/06/2024	19:32	LB133323
	Iron	5050	5000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Lead	4910	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Magnesium	24700	25000	99	90 - 110	P	11/06/2024	19:32	LB133323
	Manganese	2510	2500	100	90 - 110	P	11/06/2024	19:32	LB133323
	Nickel	2450	2500	98	90 - 110	P	11/06/2024	19:32	LB133323
	Potassium	25200	25000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Selenium	4880	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Silver	1260	1250	101	90 - 110	P	11/06/2024	19:32	LB133323
	Sodium	26100	25000	104	90 - 110	P	11/06/2024	19:32	LB133323
	Thallium	5030	5000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Vanadium	2490	2500	100	90 - 110	P	11/06/2024	19:32	LB133323
	Zinc	2440	2500	98	90 - 110	P	11/06/2024	19:32	LB133323
CCV04	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	20:22	LB133323
	Antimony	5040	5000	101	90 - 110	P	11/06/2024	20:22	LB133323

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	5070	5000	101	90 - 110	P	11/06/2024	20:22	LB133323
	Barium	10200	10000	102	90 - 110	P	11/06/2024	20:22	LB133323
	Beryllium	257	250	103	90 - 110	P	11/06/2024	20:22	LB133323
	Cadmium	2540	2500	102	90 - 110	P	11/06/2024	20:22	LB133323
	Calcium	25200	25000	101	90 - 110	P	11/06/2024	20:22	LB133323
	Chromium	1010	1000	100	90 - 110	P	11/06/2024	20:22	LB133323
	Cobalt	2530	2500	101	90 - 110	P	11/06/2024	20:22	LB133323
	Copper	1270	1250	102	90 - 110	P	11/06/2024	20:22	LB133323
	Iron	4920	5000	98	90 - 110	P	11/06/2024	20:22	LB133323
	Lead	5080	5000	102	90 - 110	P	11/06/2024	20:22	LB133323
	Magnesium	24900	25000	100	90 - 110	P	11/06/2024	20:22	LB133323
	Manganese	2520	2500	101	90 - 110	P	11/06/2024	20:22	LB133323
	Nickel	2540	2500	101	90 - 110	P	11/06/2024	20:22	LB133323
	Potassium	24500	25000	98	90 - 110	P	11/06/2024	20:22	LB133323
	Selenium	5060	5000	101	90 - 110	P	11/06/2024	20:22	LB133323
	Silver	1250	1250	100	90 - 110	P	11/06/2024	20:22	LB133323
	Sodium	25500	25000	102	90 - 110	P	11/06/2024	20:22	LB133323
	Thallium	5290	5000	106	90 - 110	P	11/06/2024	20:22	LB133323
	Vanadium	2510	2500	100	90 - 110	P	11/06/2024	20:22	LB133323
	Zinc	2450	2500	98	90 - 110	P	11/06/2024	20:22	LB133323
CCV05	Aluminum	10300	10000	103	90 - 110	P	11/06/2024	21:13	LB133323
	Antimony	5050	5000	101	90 - 110	P	11/06/2024	21:13	LB133323
	Arsenic	5070	5000	102	90 - 110	P	11/06/2024	21:13	LB133323
	Barium	10500	10000	105	90 - 110	P	11/06/2024	21:13	LB133323
	Beryllium	265	250	106	90 - 110	P	11/06/2024	21:13	LB133323
	Cadmium	2570	2500	103	90 - 110	P	11/06/2024	21:13	LB133323
	Calcium	26100	25000	104	90 - 110	P	11/06/2024	21:13	LB133323
	Chromium	1030	1000	103	90 - 110	P	11/06/2024	21:13	LB133323
	Cobalt	2560	2500	102	90 - 110	P	11/06/2024	21:13	LB133323
	Copper	1270	1250	102	90 - 110	P	11/06/2024	21:13	LB133323
	Iron	5050	5000	101	90 - 110	P	11/06/2024	21:13	LB133323
	Lead	5120	5000	102	90 - 110	P	11/06/2024	21:13	LB133323
	Magnesium	25800	25000	103	90 - 110	P	11/06/2024	21:13	LB133323
	Manganese	2620	2500	105	90 - 110	P	11/06/2024	21:13	LB133323

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	2560	2500	102	90 - 110	P	11/06/2024	21:13	LB133323
	Potassium	25200	25000	101	90 - 110	P	11/06/2024	21:13	LB133323
	Selenium	5060	5000	101	90 - 110	P	11/06/2024	21:13	LB133323
	Silver	1280	1250	102	90 - 110	P	11/06/2024	21:13	LB133323
	Sodium	26400	25000	106	90 - 110	P	11/06/2024	21:13	LB133323
	Thallium	5270	5000	105	90 - 110	P	11/06/2024	21:13	LB133323
	Vanadium	2590	2500	104	90 - 110	P	11/06/2024	21:13	LB133323
	Zinc	2500	2500	100	90 - 110	P	11/06/2024	21:13	LB133323
CCV06	Aluminum	10100	10000	101	90 - 110	P	11/06/2024	22:11	LB133323
	Antimony	4990	5000	100	90 - 110	P	11/06/2024	22:11	LB133323
	Arsenic	4990	5000	100	90 - 110	P	11/06/2024	22:11	LB133323
	Barium	10500	10000	104	90 - 110	P	11/06/2024	22:11	LB133323
	Beryllium	262	250	105	90 - 110	P	11/06/2024	22:11	LB133323
	Cadmium	2510	2500	100	90 - 110	P	11/06/2024	22:11	LB133323
	Calcium	25600	25000	102	90 - 110	P	11/06/2024	22:11	LB133323
	Chromium	1010	1000	101	90 - 110	P	11/06/2024	22:11	LB133323
	Cobalt	2510	2500	100	90 - 110	P	11/06/2024	22:11	LB133323
	Copper	1250	1250	100	90 - 110	P	11/06/2024	22:11	LB133323
	Iron	4880	5000	98	90 - 110	P	11/06/2024	22:11	LB133323
	Lead	5030	5000	100	90 - 110	P	11/06/2024	22:11	LB133323
	Magnesium	25000	25000	100	90 - 110	P	11/06/2024	22:11	LB133323
	Manganese	2530	2500	101	90 - 110	P	11/06/2024	22:11	LB133323
	Nickel	2510	2500	100	90 - 110	P	11/06/2024	22:11	LB133323
	Potassium	24700	25000	99	90 - 110	P	11/06/2024	22:11	LB133323
	Selenium	4990	5000	100	90 - 110	P	11/06/2024	22:11	LB133323
	Silver	1250	1250	100	90 - 110	P	11/06/2024	22:11	LB133323
	Sodium	25900	25000	104	90 - 110	P	11/06/2024	22:11	LB133323
	Thallium	5210	5000	104	90 - 110	P	11/06/2024	22:11	LB133323
	Vanadium	2520	2500	101	90 - 110	P	11/06/2024	22:11	LB133323
	Zinc	2270	2500	91	90 - 110	P	11/06/2024	22:11	LB133323
CCV07	Aluminum	10200	10000	102	90 - 110	P	11/06/2024	23:03	LB133323
	Antimony	5020	5000	100	90 - 110	P	11/06/2024	23:03	LB133323
	Arsenic	5020	5000	100	90 - 110	P	11/06/2024	23:03	LB133323
	Barium	10600	10000	106	90 - 110	P	11/06/2024	23:03	LB133323

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	274	250	110	90 - 110	P	11/06/2024	23:03	LB133323
	Cadmium	2550	2500	102	90 - 110	P	11/06/2024	23:03	LB133323
	Calcium	25900	25000	104	90 - 110	P	11/06/2024	23:03	LB133323
	Chromium	1040	1000	104	90 - 110	P	11/06/2024	23:03	LB133323
	Cobalt	2540	2500	102	90 - 110	P	11/06/2024	23:03	LB133323
	Copper	1260	1250	101	90 - 110	P	11/06/2024	23:03	LB133323
	Iron	5090	5000	102	90 - 110	P	11/06/2024	23:03	LB133323
	Lead	5100	5000	102	90 - 110	P	11/06/2024	23:03	LB133323
	Magnesium	25600	25000	102	90 - 110	P	11/06/2024	23:03	LB133323
	Manganese	2600	2500	104	90 - 110	P	11/06/2024	23:03	LB133323
	Nickel	2550	2500	102	90 - 110	P	11/06/2024	23:03	LB133323
	Potassium	26000	25000	104	90 - 110	P	11/06/2024	23:03	LB133323
	Selenium	5020	5000	100	90 - 110	P	11/06/2024	23:03	LB133323
	Silver	1300	1250	104	90 - 110	P	11/06/2024	23:03	LB133323
	Sodium	27100	25000	108	90 - 110	P	11/06/2024	23:03	LB133323
	Thallium	5240	5000	105	90 - 110	P	11/06/2024	23:03	LB133323
	Vanadium	2560	2500	103	90 - 110	P	11/06/2024	23:03	LB133323
	Zinc	2340	2500	94	90 - 110	P	11/06/2024	23:03	LB133323
CCV08	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	23:59	LB133323
	Antimony	4940	5000	99	90 - 110	P	11/06/2024	23:59	LB133323
	Arsenic	4970	5000	99	90 - 110	P	11/06/2024	23:59	LB133323
	Barium	10400	10000	104	90 - 110	P	11/06/2024	23:59	LB133323
	Beryllium	270	250	108	90 - 110	P	11/06/2024	23:59	LB133323
	Cadmium	2520	2500	101	90 - 110	P	11/06/2024	23:59	LB133323
	Calcium	25500	25000	102	90 - 110	P	11/06/2024	23:59	LB133323
	Chromium	1020	1000	102	90 - 110	P	11/06/2024	23:59	LB133323
	Cobalt	2510	2500	100	90 - 110	P	11/06/2024	23:59	LB133323
	Copper	1240	1250	100	90 - 110	P	11/06/2024	23:59	LB133323
	Iron	4890	5000	98	90 - 110	P	11/06/2024	23:59	LB133323
	Lead	5040	5000	101	90 - 110	P	11/06/2024	23:59	LB133323
	Magnesium	25300	25000	101	90 - 110	P	11/06/2024	23:59	LB133323
	Manganese	2570	2500	103	90 - 110	P	11/06/2024	23:59	LB133323
	Nickel	2510	2500	101	90 - 110	P	11/06/2024	23:59	LB133323
	Potassium	24900	25000	100	90 - 110	P	11/06/2024	23:59	LB133323

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	4950	5000	99	90 - 110	P	11/06/2024	23:59	LB133323
	Silver	1260	1250	101	90 - 110	P	11/06/2024	23:59	LB133323
	Sodium	25900	25000	104	90 - 110	P	11/06/2024	23:59	LB133323
	Thallium	5090	5000	102	90 - 110	P	11/06/2024	23:59	LB133323
	Vanadium	2530	2500	101	90 - 110	P	11/06/2024	23:59	LB133323
	Zinc	2400	2500	96	90 - 110	P	11/06/2024	23:59	LB133323
CCV09	Aluminum	9840	10000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Antimony	4890	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Arsenic	4880	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Barium	10100	10000	101	90 - 110	P	11/07/2024	00:53	LB133323
	Beryllium	260	250	104	90 - 110	P	11/07/2024	00:53	LB133323
	Cadmium	2450	2500	98	90 - 110	P	11/07/2024	00:53	LB133323
	Calcium	24800	25000	99	90 - 110	P	11/07/2024	00:53	LB133323
	Chromium	997	1000	100	90 - 110	P	11/07/2024	00:53	LB133323
	Cobalt	2440	2500	98	90 - 110	P	11/07/2024	00:53	LB133323
	Copper	1220	1250	98	90 - 110	P	11/07/2024	00:53	LB133323
	Iron	4930	5000	99	90 - 110	P	11/07/2024	00:53	LB133323
	Lead	4900	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Magnesium	24600	25000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Manganese	2510	2500	100	90 - 110	P	11/07/2024	00:53	LB133323
	Nickel	2450	2500	98	90 - 110	P	11/07/2024	00:53	LB133323
	Potassium	25100	25000	100	90 - 110	P	11/07/2024	00:53	LB133323
	Selenium	4890	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Silver	1250	1250	100	90 - 110	P	11/07/2024	00:53	LB133323
	Sodium	26100	25000	104	90 - 110	P	11/07/2024	00:53	LB133323
	Thallium	4980	5000	100	90 - 110	P	11/07/2024	00:53	LB133323
	Vanadium	2500	2500	100	90 - 110	P	11/07/2024	00:53	LB133323
	Zinc	2370	2500	95	90 - 110	P	11/07/2024	00:53	LB133323
CCV10	Aluminum	10100	10000	101	90 - 110	P	11/07/2024	01:49	LB133323
	Antimony	4760	5000	95	90 - 110	P	11/07/2024	01:49	LB133323
	Arsenic	4860	5000	97	90 - 110	P	11/07/2024	01:49	LB133323
	Barium	10100	10000	101	90 - 110	P	11/07/2024	01:49	LB133323
	Beryllium	245	250	98	90 - 110	P	11/07/2024	01:49	LB133323
	Cadmium	2660	2500	106	90 - 110	P	11/07/2024	01:49	LB133323

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663
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
CCV10	Calcium	27400	25000	109	90 - 110	P	11/07/2024	01:49	LB133323
	Chromium	1080	1000	108	90 - 110	P	11/07/2024	01:49	LB133323
	Cobalt	2610	2500	104	90 - 110	P	11/07/2024	01:49	LB133323
	Copper	1220	1250	98	90 - 110	P	11/07/2024	01:49	LB133323
	Iron	4960	5000	99	90 - 110	P	11/07/2024	01:49	LB133323
	Lead	5270	5000	105	90 - 110	P	11/07/2024	01:49	LB133323
	Magnesium	23100	25000	92	90 - 110	P	11/07/2024	01:49	LB133323
	Manganese	2710	2500	108	90 - 110	P	11/07/2024	01:49	LB133323
	Nickel	2620	2500	105	90 - 110	P	11/07/2024	01:49	LB133323
	Potassium	23100	25000	92	90 - 110	P	11/07/2024	01:49	LB133323
	Selenium	4770	5000	95	90 - 110	P	11/07/2024	01:49	LB133323
	Silver	1300	1250	104	90 - 110	P	11/07/2024	01:49	LB133323
	Sodium	23600	25000	94	90 - 110	P	11/07/2024	01:49	LB133323
	Thallium	5290	5000	106	90 - 110	P	11/07/2024	01:49	LB133323
	Vanadium	2640	2500	106	90 - 110	P	11/07/2024	01:49	LB133323
	Zinc	2540	2500	102	90 - 110	P	11/07/2024	01:49	LB133323

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663
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	2590	2500	104	90 - 110	P	11/07/2024	13:49	LB133344
	Antimony	1010	1000	101	90 - 110	P	11/07/2024	13:49	LB133344
	Arsenic	1030	1000	103	90 - 110	P	11/07/2024	13:49	LB133344
	Barium	521	520	100	90 - 110	P	11/07/2024	13:49	LB133344
	Beryllium	515	510	101	90 - 110	P	11/07/2024	13:49	LB133344
	Cadmium	509	510	100	90 - 110	P	11/07/2024	13:49	LB133344
	Calcium	10200	10000	102	90 - 110	P	11/07/2024	13:49	LB133344
	Chromium	531	520	102	90 - 110	P	11/07/2024	13:49	LB133344
	Cobalt	516	520	99	90 - 110	P	11/07/2024	13:49	LB133344
	Copper	531	510	104	90 - 110	P	11/07/2024	13:49	LB133344
	Iron	9990	10000	100	90 - 110	P	11/07/2024	13:49	LB133344
	Lead	1020	1000	102	90 - 110	P	11/07/2024	13:49	LB133344
	Magnesium	6010	6000	100	90 - 110	P	11/07/2024	13:49	LB133344
	Manganese	526	520	101	90 - 110	P	11/07/2024	13:49	LB133344
	Nickel	518	530	98	90 - 110	P	11/07/2024	13:49	LB133344
	Potassium	9890	9900	100	90 - 110	P	11/07/2024	13:49	LB133344
	Selenium	1040	1000	104	90 - 110	P	11/07/2024	13:49	LB133344
	Silver	256	250	102	90 - 110	P	11/07/2024	13:49	LB133344
	Sodium	9440	10000	94	90 - 110	P	11/07/2024	13:49	LB133344
	Thallium	1100	1000	110	90 - 110	P	11/07/2024	13:49	LB133344
	Vanadium	507	500	101	90 - 110	P	11/07/2024	13:49	LB133344
	Zinc	1050	1000	105	90 - 110	P	11/07/2024	13:49	LB133344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663
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	11/07/2024	14:23	LB133344
	Antimony	50.8	50.0	102	80 - 120	P	11/07/2024	14:23	LB133344
	Arsenic	18.0	20.0	90	80 - 120	P	11/07/2024	14:23	LB133344
	Barium	100	100	100	80 - 120	P	11/07/2024	14:23	LB133344
	Beryllium	5.93	6.0	99	80 - 120	P	11/07/2024	14:23	LB133344
	Cadmium	6.52	6.0	109	80 - 120	P	11/07/2024	14:23	LB133344
	Calcium	2010	2000	100	80 - 120	P	11/07/2024	14:23	LB133344
	Chromium	9.52	10.0	95	80 - 120	P	11/07/2024	14:23	LB133344
	Cobalt	29.4	30.0	98	80 - 120	P	11/07/2024	14:23	LB133344
	Copper	22.7	20.0	114	80 - 120	P	11/07/2024	14:23	LB133344
	Iron	96.8	100	97	80 - 120	P	11/07/2024	14:23	LB133344
	Lead	11.4	12.0	95	80 - 120	P	11/07/2024	14:23	LB133344
	Magnesium	2020	2000	101	80 - 120	P	11/07/2024	14:23	LB133344
	Manganese	20.2	20.0	101	80 - 120	P	11/07/2024	14:23	LB133344
	Nickel	38.5	40.0	96	80 - 120	P	11/07/2024	14:23	LB133344
	Potassium	2010	2000	101	80 - 120	P	11/07/2024	14:23	LB133344
	Selenium	20.8	20.0	104	80 - 120	P	11/07/2024	14:23	LB133344
	Silver	10.8	10.0	108	80 - 120	P	11/07/2024	14:23	LB133344
	Sodium	1680	2000	84	80 - 120	P	11/07/2024	14:23	LB133344
	Thallium	43.4	40.0	108	80 - 120	P	11/07/2024	14:23	LB133344
	Vanadium	40.8	40.0	102	80 - 120	P	11/07/2024	14:23	LB133344
	Zinc	42.0	40.0	105	80 - 120	P	11/07/2024	14:23	LB133344

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	10000	10000	100	90 - 110	P	11/07/2024	15:01	LB133344
	Antimony	5120	5000	102	90 - 110	P	11/07/2024	15:01	LB133344
	Arsenic	5040	5000	101	90 - 110	P	11/07/2024	15:01	LB133344
	Barium	9710	10000	97	90 - 110	P	11/07/2024	15:01	LB133344
	Beryllium	239	250	96	90 - 110	P	11/07/2024	15:01	LB133344
	Cadmium	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Calcium	24000	25000	96	90 - 110	P	11/07/2024	15:01	LB133344
	Chromium	992	1000	99	90 - 110	P	11/07/2024	15:01	LB133344
	Cobalt	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	15:01	LB133344
	Iron	4870	5000	97	90 - 110	P	11/07/2024	15:01	LB133344
	Lead	4920	5000	98	90 - 110	P	11/07/2024	15:01	LB133344
	Magnesium	24000	25000	96	90 - 110	P	11/07/2024	15:01	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	15:01	LB133344
	Nickel	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Potassium	25100	25000	100	90 - 110	P	11/07/2024	15:01	LB133344
	Selenium	5150	5000	103	90 - 110	P	11/07/2024	15:01	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	15:01	LB133344
	Sodium	25300	25000	101	90 - 110	P	11/07/2024	15:01	LB133344
	Thallium	5140	5000	103	90 - 110	P	11/07/2024	15:01	LB133344
	Vanadium	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Zinc	2530	2500	101	90 - 110	P	11/07/2024	15:01	LB133344
CCV02	Aluminum	9620	10000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Antimony	5030	5000	101	90 - 110	P	11/07/2024	15:53	LB133344
	Arsenic	4950	5000	99	90 - 110	P	11/07/2024	15:53	LB133344
	Barium	9390	10000	94	90 - 110	P	11/07/2024	15:53	LB133344
	Beryllium	231	250	92	90 - 110	P	11/07/2024	15:53	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Calcium	23100	25000	92	90 - 110	P	11/07/2024	15:53	LB133344
	Chromium	963	1000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Cobalt	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	15:53	LB133344
	Iron	4810	5000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Lead	4800	5000	96	90 - 110	P	11/07/2024	15:53	LB133344

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	23100	25000	92	90 - 110	P	11/07/2024	15:53	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/07/2024	15:53	LB133344
	Nickel	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Potassium	25000	25000	100	90 - 110	P	11/07/2024	15:53	LB133344
	Selenium	5050	5000	101	90 - 110	P	11/07/2024	15:53	LB133344
	Silver	1220	1250	98	90 - 110	P	11/07/2024	15:53	LB133344
	Sodium	25800	25000	103	90 - 110	P	11/07/2024	15:53	LB133344
	Thallium	4850	5000	97	90 - 110	P	11/07/2024	15:53	LB133344
	Vanadium	2370	2500	95	90 - 110	P	11/07/2024	15:53	LB133344
	Zinc	2480	2500	99	90 - 110	P	11/07/2024	15:53	LB133344
CCV03	Aluminum	10100	10000	101	90 - 110	P	11/07/2024	16:45	LB133344
	Antimony	5250	5000	105	90 - 110	P	11/07/2024	16:45	LB133344
	Arsenic	5190	5000	104	90 - 110	P	11/07/2024	16:45	LB133344
	Barium	9850	10000	98	90 - 110	P	11/07/2024	16:45	LB133344
	Beryllium	235	250	94	90 - 110	P	11/07/2024	16:45	LB133344
	Cadmium	2470	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Calcium	24000	25000	96	90 - 110	P	11/07/2024	16:45	LB133344
	Chromium	993	1000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Cobalt	2470	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Copper	1300	1250	104	90 - 110	P	11/07/2024	16:45	LB133344
	Iron	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Lead	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Magnesium	23900	25000	96	90 - 110	P	11/07/2024	16:45	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	16:45	LB133344
	Nickel	2480	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Potassium	25900	25000	103	90 - 110	P	11/07/2024	16:45	LB133344
	Selenium	5320	5000	106	90 - 110	P	11/07/2024	16:45	LB133344
	Silver	1240	1250	100	90 - 110	P	11/07/2024	16:45	LB133344
	Sodium	25500	25000	102	90 - 110	P	11/07/2024	16:45	LB133344
	Thallium	5400	5000	108	90 - 110	P	11/07/2024	16:45	LB133344
	Vanadium	2460	2500	98	90 - 110	P	11/07/2024	16:45	LB133344
	Zinc	2400	2500	96	90 - 110	P	11/07/2024	16:45	LB133344
CCV04	Aluminum	10200	10000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Antimony	5280	5000	106	90 - 110	P	11/07/2024	17:56	LB133344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	11/07/2024	17:56	LB133344
	Barium	9810	10000	98	90 - 110	P	11/07/2024	17:56	LB133344
	Beryllium	242	250	97	90 - 110	P	11/07/2024	17:56	LB133344
	Cadmium	2500	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Calcium	24200	25000	97	90 - 110	P	11/07/2024	17:56	LB133344
	Chromium	1020	1000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Cobalt	2490	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Copper	1300	1250	104	90 - 110	P	11/07/2024	17:56	LB133344
	Iron	4980	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
	Lead	5010	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
	Magnesium	24300	25000	97	90 - 110	P	11/07/2024	17:56	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	17:56	LB133344
	Nickel	2490	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Potassium	26000	25000	104	90 - 110	P	11/07/2024	17:56	LB133344
	Selenium	5390	5000	108	90 - 110	P	11/07/2024	17:56	LB133344
	Silver	1260	1250	101	90 - 110	P	11/07/2024	17:56	LB133344
	Sodium	25400	25000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Thallium	5070	5000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Vanadium	2490	2500	99	90 - 110	P	11/07/2024	17:56	LB133344
	Zinc	2510	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
CCV05	Aluminum	10000	10000	100	90 - 110	P	11/07/2024	18:32	LB133344
	Antimony	5190	5000	104	90 - 110	P	11/07/2024	18:32	LB133344
	Arsenic	5120	5000	102	90 - 110	P	11/07/2024	18:32	LB133344
	Barium	9790	10000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Beryllium	236	250	94	90 - 110	P	11/07/2024	18:32	LB133344
	Cadmium	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Calcium	23800	25000	95	90 - 110	P	11/07/2024	18:32	LB133344
	Chromium	988	1000	99	90 - 110	P	11/07/2024	18:32	LB133344
	Cobalt	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Copper	1280	1250	102	90 - 110	P	11/07/2024	18:32	LB133344
	Iron	4910	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Lead	4880	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Magnesium	23800	25000	95	90 - 110	P	11/07/2024	18:32	LB133344
	Manganese	2350	2500	94	90 - 110	P	11/07/2024	18:32	LB133344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	11/07/2024	18:32	LB133344
	Potassium	25800	25000	103	90 - 110	P	11/07/2024	18:32	LB133344
	Selenium	5290	5000	106	90 - 110	P	11/07/2024	18:32	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	18:32	LB133344
	Sodium	25600	25000	102	90 - 110	P	11/07/2024	18:32	LB133344
	Thallium	5000	5000	100	90 - 110	P	11/07/2024	18:32	LB133344
	Vanadium	2440	2500	98	90 - 110	P	11/07/2024	18:32	LB133344
	Zinc	2500	2500	100	90 - 110	P	11/07/2024	18:32	LB133344
CCV06	Aluminum	9950	10000	100	90 - 110	P	11/07/2024	19:08	LB133344
	Antimony	5160	5000	103	90 - 110	P	11/07/2024	19:08	LB133344
	Arsenic	5110	5000	102	90 - 110	P	11/07/2024	19:08	LB133344
	Barium	9640	10000	96	90 - 110	P	11/07/2024	19:08	LB133344
	Beryllium	238	250	95	90 - 110	P	11/07/2024	19:08	LB133344
	Cadmium	2460	2500	99	90 - 110	P	11/07/2024	19:08	LB133344
	Calcium	23800	25000	95	90 - 110	P	11/07/2024	19:08	LB133344
	Chromium	994	1000	99	90 - 110	P	11/07/2024	19:08	LB133344
	Cobalt	2460	2500	98	90 - 110	P	11/07/2024	19:08	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	19:08	LB133344
	Iron	4870	5000	97	90 - 110	P	11/07/2024	19:08	LB133344
	Lead	4930	5000	99	90 - 110	P	11/07/2024	19:08	LB133344
	Magnesium	23800	25000	95	90 - 110	P	11/07/2024	19:08	LB133344
	Manganese	2330	2500	93	90 - 110	P	11/07/2024	19:08	LB133344
	Nickel	2460	2500	98	90 - 110	P	11/07/2024	19:08	LB133344
	Potassium	25300	25000	101	90 - 110	P	11/07/2024	19:08	LB133344
	Selenium	5260	5000	105	90 - 110	P	11/07/2024	19:08	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	19:08	LB133344
	Sodium	25300	25000	101	90 - 110	P	11/07/2024	19:08	LB133344
	Thallium	5060	5000	101	90 - 110	P	11/07/2024	19:08	LB133344
	Vanadium	2430	2500	97	90 - 110	P	11/07/2024	19:08	LB133344
	Zinc	2490	2500	100	90 - 110	P	11/07/2024	19:08	LB133344
CCV07	Aluminum	9840	10000	98	90 - 110	P	11/07/2024	19:58	LB133344
	Antimony	5160	5000	103	90 - 110	P	11/07/2024	19:58	LB133344
	Arsenic	5100	5000	102	90 - 110	P	11/07/2024	19:58	LB133344
	Barium	9400	10000	94	90 - 110	P	11/07/2024	19:58	LB133344

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	11/07/2024	19:58	LB133344
	Cadmium	2420	2500	97	90 - 110	P	11/07/2024	19:58	LB133344
	Calcium	23300	25000	93	90 - 110	P	11/07/2024	19:58	LB133344
	Chromium	986	1000	99	90 - 110	P	11/07/2024	19:58	LB133344
	Cobalt	2410	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Copper	1270	1250	101	90 - 110	P	11/07/2024	19:58	LB133344
	Iron	4800	5000	96	90 - 110	P	11/07/2024	19:58	LB133344
	Lead	4850	5000	97	90 - 110	P	11/07/2024	19:58	LB133344
	Magnesium	23400	25000	94	90 - 110	P	11/07/2024	19:58	LB133344
	Manganese	2270	2500	91	90 - 110	P	11/07/2024	19:58	LB133344
	Nickel	2410	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Potassium	25200	25000	101	90 - 110	P	11/07/2024	19:58	LB133344
	Selenium	5270	5000	105	90 - 110	P	11/07/2024	19:58	LB133344
	Silver	1230	1250	98	90 - 110	P	11/07/2024	19:58	LB133344
	Sodium	24900	25000	100	90 - 110	P	11/07/2024	19:58	LB133344
	Thallium	4910	5000	98	90 - 110	P	11/07/2024	19:58	LB133344
	Vanadium	2400	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Zinc	2490	2500	100	90 - 110	P	11/07/2024	19:58	LB133344
CCV08	Aluminum	9850	10000	98	90 - 110	P	11/07/2024	20:58	LB133344
	Antimony	5180	5000	104	90 - 110	P	11/07/2024	20:58	LB133344
	Arsenic	5100	5000	102	90 - 110	P	11/07/2024	20:58	LB133344
	Barium	9480	10000	95	90 - 110	P	11/07/2024	20:58	LB133344
	Beryllium	234	250	94	90 - 110	P	11/07/2024	20:58	LB133344
	Cadmium	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Calcium	23200	25000	93	90 - 110	P	11/07/2024	20:58	LB133344
	Chromium	989	1000	99	90 - 110	P	11/07/2024	20:58	LB133344
	Cobalt	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	20:58	LB133344
	Iron	4890	5000	98	90 - 110	P	11/07/2024	20:58	LB133344
	Lead	4840	5000	97	90 - 110	P	11/07/2024	20:58	LB133344
	Magnesium	23300	25000	93	90 - 110	P	11/07/2024	20:58	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/07/2024	20:58	LB133344
	Nickel	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Potassium	25900	25000	104	90 - 110	P	11/07/2024	20:58	LB133344

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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	5290	5000	106	90 - 110	P	11/07/2024	20:58	LB133344
	Silver	1250	1250	100	90 - 110	P	11/07/2024	20:58	LB133344
	Sodium	26000	25000	104	90 - 110	P	11/07/2024	20:58	LB133344
	Thallium	4970	5000	99	90 - 110	P	11/07/2024	20:58	LB133344
	Vanadium	2390	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Zinc	2530	2500	101	90 - 110	P	11/07/2024	20:58	LB133344
CCV09	Aluminum	9720	10000	97	90 - 110	P	11/07/2024	21:51	LB133344
	Antimony	5100	5000	102	90 - 110	P	11/07/2024	21:51	LB133344
	Arsenic	5030	5000	100	90 - 110	P	11/07/2024	21:51	LB133344
	Barium	9510	10000	95	90 - 110	P	11/07/2024	21:51	LB133344
	Beryllium	231	250	92	90 - 110	P	11/07/2024	21:51	LB133344
	Cadmium	2390	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Calcium	23100	25000	92	90 - 110	P	11/07/2024	21:51	LB133344
	Chromium	966	1000	97	90 - 110	P	11/07/2024	21:51	LB133344
	Cobalt	2380	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	21:51	LB133344
	Iron	4750	5000	95	90 - 110	P	11/07/2024	21:51	LB133344
	Lead	4780	5000	96	90 - 110	P	11/07/2024	21:51	LB133344
	Magnesium	22900	25000	92	90 - 110	P	11/07/2024	21:51	LB133344
	Manganese	2250	2500	90	90 - 110	P	11/07/2024	21:51	LB133344
	Nickel	2380	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Potassium	25100	25000	100	90 - 110	P	11/07/2024	21:51	LB133344
	Selenium	5170	5000	103	90 - 110	P	11/07/2024	21:51	LB133344
	Silver	1210	1250	97	90 - 110	P	11/07/2024	21:51	LB133344
	Sodium	25300	25000	101	90 - 110	P	11/07/2024	21:51	LB133344
	Thallium	5380	5000	108	90 - 110	P	11/07/2024	21:51	LB133344
	Vanadium	2360	2500	94	90 - 110	P	11/07/2024	21:51	LB133344
	Zinc	2670	2500	107	90 - 110	P	11/07/2024	21:51	LB133344
CCV10	Aluminum	9650	10000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Antimony	5080	5000	102	90 - 110	P	11/07/2024	22:52	LB133344
	Arsenic	5000	5000	100	90 - 110	P	11/07/2024	22:52	LB133344
	Barium	9460	10000	95	90 - 110	P	11/07/2024	22:52	LB133344
	Beryllium	255	250	102	90 - 110	P	11/07/2024	22:52	LB133344
	Cadmium	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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
CCV10	Calcium	22600	25000	90	90 - 110	P	11/07/2024	22:52	LB133344
	Chromium	963	1000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Cobalt	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Copper	1240	1250	99	90 - 110	P	11/07/2024	22:52	LB133344
	Iron	4790	5000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Lead	4710	5000	94	90 - 110	P	11/07/2024	22:52	LB133344
	Magnesium	26500	25000	106	90 - 110	P	11/07/2024	22:52	LB133344
	Manganese	2500	2500	100	90 - 110	P	11/07/2024	22:52	LB133344
	Nickel	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Potassium	26100	25000	104	90 - 110	P	11/07/2024	22:52	LB133344
	Selenium	5160	5000	103	90 - 110	P	11/07/2024	22:52	LB133344
	Silver	1220	1250	98	90 - 110	P	11/07/2024	22:52	LB133344
	Sodium	27200	25000	109	90 - 110	P	11/07/2024	22:52	LB133344
	Thallium	5290	5000	106	90 - 110	P	11/07/2024	22:52	LB133344
	Vanadium	2320	2500	93	90 - 110	P	11/07/2024	22:52	LB133344
	Zinc	2400	2500	96	90 - 110	P	11/07/2024	22:52	LB133344
CCV11	Aluminum	9750	10000	98	90 - 110	P	11/07/2024	23:43	LB133344
	Antimony	5100	5000	102	90 - 110	P	11/07/2024	23:43	LB133344
	Arsenic	5020	5000	100	90 - 110	P	11/07/2024	23:43	LB133344
	Barium	9690	10000	97	90 - 110	P	11/07/2024	23:43	LB133344
	Beryllium	234	250	93	90 - 110	P	11/07/2024	23:43	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/07/2024	23:43	LB133344
	Calcium	23200	25000	93	90 - 110	P	11/07/2024	23:43	LB133344
	Chromium	962	1000	96	90 - 110	P	11/07/2024	23:43	LB133344
	Cobalt	2390	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	23:43	LB133344
	Iron	4730	5000	94	90 - 110	P	11/07/2024	23:43	LB133344
	Lead	4800	5000	96	90 - 110	P	11/07/2024	23:43	LB133344
	Magnesium	23000	25000	92	90 - 110	P	11/07/2024	23:43	LB133344
	Manganese	2290	2500	92	90 - 110	P	11/07/2024	23:43	LB133344
	Nickel	2390	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Potassium	25300	25000	101	90 - 110	P	11/07/2024	23:43	LB133344
	Selenium	5160	5000	103	90 - 110	P	11/07/2024	23:43	LB133344
	Silver	1210	1250	97	90 - 110	P	11/07/2024	23:43	LB133344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** P4663

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** P4663 **SAS No.:** P4663

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
CCV11	Sodium	26300	25000	105	90 - 110	P	11/07/2024	23:43	LB133344
	Thallium	5350	5000	107	90 - 110	P	11/07/2024	23:43	LB133344
	Vanadium	2370	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Zinc	2430	2500	97	90 - 110	P	11/07/2024	23:43	LB133344
CCV12	Aluminum	9840	10000	98	90 - 110	P	11/08/2024	00:39	LB133344
	Antimony	5240	5000	105	90 - 110	P	11/08/2024	00:39	LB133344
	Arsenic	5150	5000	103	90 - 110	P	11/08/2024	00:39	LB133344
	Barium	9830	10000	98	90 - 110	P	11/08/2024	00:39	LB133344
	Beryllium	228	250	91	90 - 110	P	11/08/2024	00:39	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Calcium	22900	25000	92	90 - 110	P	11/08/2024	00:39	LB133344
	Chromium	965	1000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Cobalt	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Copper	1280	1250	102	90 - 110	P	11/08/2024	00:39	LB133344
	Iron	4790	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Lead	4820	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Magnesium	22700	25000	91	90 - 110	P	11/08/2024	00:39	LB133344
	Manganese	2260	2500	90	90 - 110	P	11/08/2024	00:39	LB133344
	Nickel	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Potassium	26400	25000	106	90 - 110	P	11/08/2024	00:39	LB133344
	Selenium	5340	5000	107	90 - 110	P	11/08/2024	00:39	LB133344
	Silver	1230	1250	98	90 - 110	P	11/08/2024	00:39	LB133344
	Sodium	22700	25000	91	90 - 110	P	11/08/2024	00:39	LB133344
	Thallium	5270	5000	105	90 - 110	P	11/08/2024	00:39	LB133344
CCV13	Vanadium	2370	2500	95	90 - 110	P	11/08/2024	00:39	LB133344
	Zinc	2380	2500	95	90 - 110	P	11/08/2024	00:39	LB133344
	Aluminum	9910	10000	99	90 - 110	P	11/08/2024	00:57	LB133344
	Antimony	5250	5000	105	90 - 110	P	11/08/2024	00:57	LB133344
	Arsenic	5160	5000	103	90 - 110	P	11/08/2024	00:57	LB133344
	Barium	9650	10000	96	90 - 110	P	11/08/2024	00:57	LB133344
	Beryllium	233	250	93	90 - 110	P	11/08/2024	00:57	LB133344
	Cadmium	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Calcium	23200	25000	93	90 - 110	P	11/08/2024	00:57	LB133344
	Chromium	980	1000	98	90 - 110	P	11/08/2024	00:57	LB133344

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company SDG No.: P4663

Contract: UNIO02 Lab Code: CHEM Case No.: P4663 SAS No.: P4663

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
CCV13	Cobalt	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Copper	1290	1250	103	90 - 110	P	11/08/2024	00:57	LB133344
	Iron	4780	5000	96	90 - 110	P	11/08/2024	00:57	LB133344
	Lead	4870	5000	97	90 - 110	P	11/08/2024	00:57	LB133344
	Magnesium	23100	25000	92	90 - 110	P	11/08/2024	00:57	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/08/2024	00:57	LB133344
	Nickel	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Potassium	26000	25000	104	90 - 110	P	11/08/2024	00:57	LB133344
	Selenium	5340	5000	107	90 - 110	P	11/08/2024	00:57	LB133344
	Silver	1230	1250	99	90 - 110	P	11/08/2024	00:57	LB133344
	Sodium	26900	25000	108	90 - 110	P	11/08/2024	00:57	LB133344
	Thallium	5410	5000	108	90 - 110	P	11/08/2024	00:57	LB133344
	Vanadium	2390	2500	96	90 - 110	P	11/08/2024	00:57	LB133344
	Zinc	2470	2500	99	90 - 110	P	11/08/2024	00:57	LB133344