

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1242
Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242
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
ICV82	Mercury	3.82	4.0	95	90 - 110	CV	02/03/2025	18:02	LB134542

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1242
Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242
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
CCV14	Mercury	5.18	5.0	104	90 - 110	CV	02/03/2025	18:07	LB134542
CCV15	Mercury	4.99	5.0	100	90 - 110	CV	02/03/2025	18:35	LB134542
CCV16	Mercury	5.19	5.0	104	90 - 110	CV	02/03/2025	19:02	LB134542
CCV17	Mercury	5.01	5.0	100	90 - 110	CV	02/03/2025	19:27	LB134542

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1242

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

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	02/10/2025	14:06	LB134659
	Antimony	1070	1000	107	90 - 110	P	02/10/2025	14:06	LB134659
	Arsenic	1030	1000	104	90 - 110	P	02/10/2025	14:06	LB134659
	Barium	502	520	97	90 - 110	P	02/10/2025	14:06	LB134659
	Beryllium	505	510	99	90 - 110	P	02/10/2025	14:06	LB134659
	Cadmium	514	510	101	90 - 110	P	02/10/2025	14:06	LB134659
	Calcium	10000	10000	100	90 - 110	P	02/10/2025	14:06	LB134659
	Chromium	541	520	104	90 - 110	P	02/10/2025	14:06	LB134659
	Cobalt	522	520	100	90 - 110	P	02/10/2025	14:06	LB134659
	Copper	541	510	106	90 - 110	P	02/10/2025	14:06	LB134659
	Iron	10300	10000	103	90 - 110	P	02/10/2025	14:06	LB134659
	Lead	1010	1000	101	90 - 110	P	02/10/2025	14:06	LB134659
	Magnesium	5910	6000	99	90 - 110	P	02/10/2025	14:06	LB134659
	Manganese	511	520	98	90 - 110	P	02/10/2025	14:06	LB134659
	Nickel	526	530	99	90 - 110	P	02/10/2025	14:06	LB134659
	Potassium	10100	9900	102	90 - 110	P	02/10/2025	14:06	LB134659
	Selenium	1080	1000	108	90 - 110	P	02/10/2025	14:06	LB134659
	Silver	256	250	102	90 - 110	P	02/10/2025	14:06	LB134659
	Sodium	9920	10000	99	90 - 110	P	02/10/2025	14:06	LB134659
	Thallium	1050	1000	106	90 - 110	P	02/10/2025	14:06	LB134659
	Vanadium	503	500	101	90 - 110	P	02/10/2025	14:06	LB134659
	Zinc	988	1000	99	90 - 110	P	02/10/2025	14:06	LB134659

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Client: RU2 Engineering, LLC **SDG No.:** Q1242

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	97.7	100	98	80 - 120	P	02/10/2025	14:20	LB134659
	Antimony	52.3	50.0	105	80 - 120	P	02/10/2025	14:20	LB134659
	Arsenic	21.0	20.0	105	80 - 120	P	02/10/2025	14:20	LB134659
	Barium	84.5	100	84	80 - 120	P	02/10/2025	14:20	LB134659
	Beryllium	5.86	6.0	98	80 - 120	P	02/10/2025	14:20	LB134659
	Cadmium	5.70	6.0	95	80 - 120	P	02/10/2025	14:20	LB134659
	Calcium	1930	2000	96	80 - 120	P	02/10/2025	14:20	LB134659
	Chromium	9.89	10.0	99	80 - 120	P	02/10/2025	14:20	LB134659
	Cobalt	29.0	30.0	97	80 - 120	P	02/10/2025	14:20	LB134659
	Copper	22.1	20.0	110	80 - 120	P	02/10/2025	14:20	LB134659
	Iron	95.9	100	96	80 - 120	P	02/10/2025	14:20	LB134659
	Lead	11.5	12.0	95	80 - 120	P	02/10/2025	14:20	LB134659
	Magnesium	2010	2000	101	80 - 120	P	02/10/2025	14:20	LB134659
	Manganese	19.0	20.0	95	80 - 120	P	02/10/2025	14:20	LB134659
	Nickel	38.9	40.0	97	80 - 120	P	02/10/2025	14:20	LB134659
	Potassium	1630	2000	82	80 - 120	P	02/10/2025	14:20	LB134659
	Selenium	20.3	20.0	101	80 - 120	P	02/10/2025	14:20	LB134659
	Silver	10.3	10.0	103	80 - 120	P	02/10/2025	14:20	LB134659
	Sodium	1950	2000	98	80 - 120	P	02/10/2025	14:20	LB134659
	Thallium	39.3	40.0	98	80 - 120	P	02/10/2025	14:20	LB134659
	Vanadium	36.8	40.0	92	80 - 120	P	02/10/2025	14:20	LB134659
	Zinc	42.9	40.0	107	80 - 120	P	02/10/2025	14:20	LB134659

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Client: RU2 Engineering, LLC **SDG No.:** Q1242

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

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	9800	10000	98	90 - 110	P	02/10/2025	14:59	LB134659
	Antimony	5120	5000	102	90 - 110	P	02/10/2025	14:59	LB134659
	Arsenic	5020	5000	100	90 - 110	P	02/10/2025	14:59	LB134659
	Barium	9910	10000	99	90 - 110	P	02/10/2025	14:59	LB134659
	Beryllium	268	250	107	90 - 110	P	02/10/2025	14:59	LB134659
	Cadmium	2640	2500	106	90 - 110	P	02/10/2025	14:59	LB134659
	Calcium	23800	25000	95	90 - 110	P	02/10/2025	14:59	LB134659
	Chromium	998	1000	100	90 - 110	P	02/10/2025	14:59	LB134659
	Cobalt	2430	2500	97	90 - 110	P	02/10/2025	14:59	LB134659
	Copper	1260	1250	101	90 - 110	P	02/10/2025	14:59	LB134659
	Iron	4930	5000	99	90 - 110	P	02/10/2025	14:59	LB134659
	Lead	4860	5000	97	90 - 110	P	02/10/2025	14:59	LB134659
	Magnesium	23800	25000	95	90 - 110	P	02/10/2025	14:59	LB134659
	Manganese	2340	2500	93	90 - 110	P	02/10/2025	14:59	LB134659
	Nickel	2430	2500	97	90 - 110	P	02/10/2025	14:59	LB134659
	Potassium	25000	25000	100	90 - 110	P	02/10/2025	14:59	LB134659
	Selenium	5080	5000	102	90 - 110	P	02/10/2025	14:59	LB134659
	Silver	1240	1250	99	90 - 110	P	02/10/2025	14:59	LB134659
	Sodium	25600	25000	102	90 - 110	P	02/10/2025	14:59	LB134659
	Thallium	4990	5000	100	90 - 110	P	02/10/2025	14:59	LB134659
	Vanadium	2400	2500	96	90 - 110	P	02/10/2025	14:59	LB134659
	Zinc	2510	2500	100	90 - 110	P	02/10/2025	14:59	LB134659
CCV02	Aluminum	9130	10000	91	90 - 110	P	02/10/2025	16:05	LB134659
	Antimony	4840	5000	97	90 - 110	P	02/10/2025	16:05	LB134659
	Arsenic	4720	5000	94	90 - 110	P	02/10/2025	16:05	LB134659
	Barium	10500	10000	105	90 - 110	P	02/10/2025	16:05	LB134659
	Beryllium	268	250	107	90 - 110	P	02/10/2025	16:05	LB134659
	Cadmium	2720	2500	109	90 - 110	P	02/10/2025	16:05	LB134659
	Calcium	27300	25000	109	90 - 110	P	02/10/2025	16:05	LB134659
	Chromium	929	1000	93	90 - 110	P	02/10/2025	16:05	LB134659
	Cobalt	2260	2500	91	90 - 110	P	02/10/2025	16:05	LB134659
	Copper	1180	1250	95	90 - 110	P	02/10/2025	16:05	LB134659
	Iron	4500	5000	90	90 - 110	P	02/10/2025	16:05	LB134659
	Lead	4520	5000	90	90 - 110	P	02/10/2025	16:05	LB134659

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Client: RU2 Engineering, LLC **SDG No.:** Q1242

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

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	26300	25000	105	90 - 110	P	02/10/2025	16:05	LB134659
	Manganese	2450	2500	98	90 - 110	P	02/10/2025	16:05	LB134659
	Nickel	2270	2500	91	90 - 110	P	02/10/2025	16:05	LB134659
	Potassium	22900	25000	92	90 - 110	P	02/10/2025	16:05	LB134659
	Selenium	4790	5000	96	90 - 110	P	02/10/2025	16:05	LB134659
	Silver	1150	1250	92	90 - 110	P	02/10/2025	16:05	LB134659
	Sodium	23800	25000	95	90 - 110	P	02/10/2025	16:05	LB134659
	Thallium	4620	5000	92	90 - 110	P	02/10/2025	16:05	LB134659
	Vanadium	2560	2500	102	90 - 110	P	02/10/2025	16:05	LB134659
	Zinc	2350	2500	94	90 - 110	P	02/10/2025	16:05	LB134659
CCV03	Aluminum	9720	10000	97	90 - 110	P	02/10/2025	16:57	LB134659
	Antimony	5160	5000	103	90 - 110	P	02/10/2025	16:57	LB134659
	Arsenic	5040	5000	101	90 - 110	P	02/10/2025	16:57	LB134659
	Barium	9210	10000	92	90 - 110	P	02/10/2025	16:57	LB134659
	Beryllium	231	250	93	90 - 110	P	02/10/2025	16:57	LB134659
	Cadmium	2370	2500	95	90 - 110	P	02/10/2025	16:57	LB134659
	Calcium	23100	25000	92	90 - 110	P	02/10/2025	16:57	LB134659
	Chromium	991	1000	99	90 - 110	P	02/10/2025	16:57	LB134659
	Cobalt	2390	2500	96	90 - 110	P	02/10/2025	16:57	LB134659
	Copper	1250	1250	100	90 - 110	P	02/10/2025	16:57	LB134659
	Iron	4770	5000	95	90 - 110	P	02/10/2025	16:57	LB134659
	Lead	4770	5000	95	90 - 110	P	02/10/2025	16:57	LB134659
	Magnesium	23000	25000	92	90 - 110	P	02/10/2025	16:57	LB134659
	Manganese	2610	2500	104	90 - 110	P	02/10/2025	16:57	LB134659
	Nickel	2390	2500	96	90 - 110	P	02/10/2025	16:57	LB134659
	Potassium	24400	25000	98	90 - 110	P	02/10/2025	16:57	LB134659
	Selenium	5140	5000	103	90 - 110	P	02/10/2025	16:57	LB134659
	Silver	1220	1250	98	90 - 110	P	02/10/2025	16:57	LB134659
	Sodium	25700	25000	103	90 - 110	P	02/10/2025	16:57	LB134659
	Thallium	4880	5000	98	90 - 110	P	02/10/2025	16:57	LB134659
	Vanadium	2330	2500	93	90 - 110	P	02/10/2025	16:57	LB134659
	Zinc	2490	2500	100	90 - 110	P	02/10/2025	16:57	LB134659
CCV04	Aluminum	9540	10000	95	90 - 110	P	02/10/2025	17:53	LB134659
	Antimony	5040	5000	101	90 - 110	P	02/10/2025	17:53	LB134659

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Client: RU2 Engineering, LLC **SDG No.:** Q1242

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

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	4910	5000	98	90 - 110	P	02/10/2025	17:53	LB134659
	Barium	9210	10000	92	90 - 110	P	02/10/2025	17:53	LB134659
	Beryllium	228	250	91	90 - 110	P	02/10/2025	17:53	LB134659
	Cadmium	2320	2500	93	90 - 110	P	02/10/2025	17:53	LB134659
	Calcium	22700	25000	91	90 - 110	P	02/10/2025	17:53	LB134659
	Chromium	972	1000	97	90 - 110	P	02/10/2025	17:53	LB134659
	Cobalt	2350	2500	94	90 - 110	P	02/10/2025	17:53	LB134659
	Copper	1230	1250	98	90 - 110	P	02/10/2025	17:53	LB134659
	Iron	4730	5000	95	90 - 110	P	02/10/2025	17:53	LB134659
	Lead	4680	5000	94	90 - 110	P	02/10/2025	17:53	LB134659
	Magnesium	22500	25000	90	90 - 110	P	02/10/2025	17:53	LB134659
	Manganese	2570	2500	103	90 - 110	P	02/10/2025	17:53	LB134659
	Nickel	2350	2500	94	90 - 110	P	02/10/2025	17:53	LB134659
	Potassium	24200	25000	97	90 - 110	P	02/10/2025	17:53	LB134659
	Selenium	5010	5000	100	90 - 110	P	02/10/2025	17:53	LB134659
	Silver	1210	1250	97	90 - 110	P	02/10/2025	17:53	LB134659
	Sodium	25300	25000	101	90 - 110	P	02/10/2025	17:53	LB134659
	Thallium	4840	5000	97	90 - 110	P	02/10/2025	17:53	LB134659
	Vanadium	2300	2500	92	90 - 110	P	02/10/2025	17:53	LB134659
	Zinc	2460	2500	99	90 - 110	P	02/10/2025	17:53	LB134659
CCV05	Aluminum	9720	10000	97	90 - 110	P	02/10/2025	18:48	LB134659
	Antimony	5170	5000	103	90 - 110	P	02/10/2025	18:48	LB134659
	Arsenic	5050	5000	101	90 - 110	P	02/10/2025	18:48	LB134659
	Barium	9470	10000	95	90 - 110	P	02/10/2025	18:48	LB134659
	Beryllium	229	250	92	90 - 110	P	02/10/2025	18:48	LB134659
	Cadmium	2360	2500	94	90 - 110	P	02/10/2025	18:48	LB134659
	Calcium	23400	25000	94	90 - 110	P	02/10/2025	18:48	LB134659
	Chromium	969	1000	97	90 - 110	P	02/10/2025	18:48	LB134659
	Cobalt	2390	2500	96	90 - 110	P	02/10/2025	18:48	LB134659
	Copper	1260	1250	101	90 - 110	P	02/10/2025	18:48	LB134659
	Iron	4760	5000	95	90 - 110	P	02/10/2025	18:48	LB134659
	Lead	4760	5000	95	90 - 110	P	02/10/2025	18:48	LB134659
	Magnesium	23200	25000	93	90 - 110	P	02/10/2025	18:48	LB134659
	Manganese	2680	2500	107	90 - 110	P	02/10/2025	18:48	LB134659

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1242

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

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	2390	2500	96	90 - 110	P	02/10/2025	18:48	LB134659
	Potassium	24400	25000	98	90 - 110	P	02/10/2025	18:48	LB134659
	Selenium	5190	5000	104	90 - 110	P	02/10/2025	18:48	LB134659
	Silver	1200	1250	96	90 - 110	P	02/10/2025	18:48	LB134659
	Sodium	25600	25000	102	90 - 110	P	02/10/2025	18:48	LB134659
	Thallium	4870	5000	98	90 - 110	P	02/10/2025	18:48	LB134659
	Vanadium	2360	2500	94	90 - 110	P	02/10/2025	18:48	LB134659
	Zinc	2450	2500	98	90 - 110	P	02/10/2025	18:48	LB134659
CCV06	Aluminum	9650	10000	96	90 - 110	P	02/10/2025	19:40	LB134659
	Antimony	5050	5000	101	90 - 110	P	02/10/2025	19:40	LB134659
	Arsenic	4890	5000	98	90 - 110	P	02/10/2025	19:40	LB134659
	Barium	9330	10000	93	90 - 110	P	02/10/2025	19:40	LB134659
	Beryllium	227	250	91	90 - 110	P	02/10/2025	19:40	LB134659
	Cadmium	2290	2500	92	90 - 110	P	02/10/2025	19:40	LB134659
	Calcium	23200	25000	93	90 - 110	P	02/10/2025	19:40	LB134659
	Chromium	970	1000	97	90 - 110	P	02/10/2025	19:40	LB134659
	Cobalt	2340	2500	93	90 - 110	P	02/10/2025	19:40	LB134659
	Copper	1220	1250	98	90 - 110	P	02/10/2025	19:40	LB134659
	Iron	4760	5000	95	90 - 110	P	02/10/2025	19:40	LB134659
	Lead	4630	5000	93	90 - 110	P	02/10/2025	19:40	LB134659
	Magnesium	23100	25000	92	90 - 110	P	02/10/2025	19:40	LB134659
	Manganese	2640	2500	106	90 - 110	P	02/10/2025	19:40	LB134659
	Nickel	2330	2500	93	90 - 110	P	02/10/2025	19:40	LB134659
	Potassium	24500	25000	98	90 - 110	P	02/10/2025	19:40	LB134659
	Selenium	5000	5000	100	90 - 110	P	02/10/2025	19:40	LB134659
	Silver	1200	1250	96	90 - 110	P	02/10/2025	19:40	LB134659
	Sodium	25700	25000	103	90 - 110	P	02/10/2025	19:40	LB134659
	Thallium	4680	5000	94	90 - 110	P	02/10/2025	19:40	LB134659
	Vanadium	2330	2500	93	90 - 110	P	02/10/2025	19:40	LB134659
	Zinc	2420	2500	97	90 - 110	P	02/10/2025	19:40	LB134659
CCV07	Aluminum	9710	10000	97	90 - 110	P	02/10/2025	20:36	LB134659
	Antimony	5030	5000	101	90 - 110	P	02/10/2025	20:36	LB134659
	Arsenic	4890	5000	98	90 - 110	P	02/10/2025	20:36	LB134659
	Barium	9290	10000	93	90 - 110	P	02/10/2025	20:36	LB134659

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

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Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

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	233	250	93	90 - 110	P	02/10/2025	20:36	LB134659
	Cadmium	2290	2500	92	90 - 110	P	02/10/2025	20:36	LB134659
	Calcium	23400	25000	93	90 - 110	P	02/10/2025	20:36	LB134659
	Chromium	968	1000	97	90 - 110	P	02/10/2025	20:36	LB134659
	Cobalt	2340	2500	93	90 - 110	P	02/10/2025	20:36	LB134659
	Copper	1220	1250	98	90 - 110	P	02/10/2025	20:36	LB134659
	Iron	4710	5000	94	90 - 110	P	02/10/2025	20:36	LB134659
	Lead	4650	5000	93	90 - 110	P	02/10/2025	20:36	LB134659
	Magnesium	23200	25000	93	90 - 110	P	02/10/2025	20:36	LB134659
	Manganese	2270	2500	91	90 - 110	P	02/10/2025	20:36	LB134659
	Nickel	2330	2500	93	90 - 110	P	02/10/2025	20:36	LB134659
	Potassium	24200	25000	97	90 - 110	P	02/10/2025	20:36	LB134659
	Selenium	5010	5000	100	90 - 110	P	02/10/2025	20:36	LB134659
	Silver	1200	1250	96	90 - 110	P	02/10/2025	20:36	LB134659
	Sodium	24900	25000	100	90 - 110	P	02/10/2025	20:36	LB134659
	Thallium	4770	5000	95	90 - 110	P	02/10/2025	20:36	LB134659
	Vanadium	2330	2500	93	90 - 110	P	02/10/2025	20:36	LB134659
	Zinc	2430	2500	97	90 - 110	P	02/10/2025	20:36	LB134659
CCV08	Aluminum	9750	10000	98	90 - 110	P	02/10/2025	21:02	LB134659
	Antimony	5080	5000	102	90 - 110	P	02/10/2025	21:02	LB134659
	Arsenic	4920	5000	98	90 - 110	P	02/10/2025	21:02	LB134659
	Barium	9300	10000	93	90 - 110	P	02/10/2025	21:02	LB134659
	Beryllium	238	250	95	90 - 110	P	02/10/2025	21:02	LB134659
	Cadmium	2320	2500	93	90 - 110	P	02/10/2025	21:02	LB134659
	Calcium	23500	25000	94	90 - 110	P	02/10/2025	21:02	LB134659
	Chromium	983	1000	98	90 - 110	P	02/10/2025	21:02	LB134659
	Cobalt	2370	2500	95	90 - 110	P	02/10/2025	21:02	LB134659
	Copper	1240	1250	99	90 - 110	P	02/10/2025	21:02	LB134659
	Iron	4860	5000	97	90 - 110	P	02/10/2025	21:02	LB134659
	Lead	4700	5000	94	90 - 110	P	02/10/2025	21:02	LB134659
	Magnesium	23200	25000	93	90 - 110	P	02/10/2025	21:02	LB134659
	Manganese	2280	2500	91	90 - 110	P	02/10/2025	21:02	LB134659
	Nickel	2360	2500	94	90 - 110	P	02/10/2025	21:02	LB134659
	Potassium	24100	25000	96	90 - 110	P	02/10/2025	21:02	LB134659



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Client:	<u>RU2 Engineering, LLC</u>	SDG No.:	<u>Q1242</u>	
Contract:	<u>RUTW01</u>	Lab Code:	<u>CHEM</u>	Case No.: <u>Q1242</u> SAS No.: <u>Q1242</u>
Initial Calibration Source:	<u>EPA</u>			
Continuing Calibration Source:	Inorganic Ventures			

Sample ID	Analyte	Result	True Value	%	Acceptance	M	Analysis Date	Analysis Time	Run Number
		ug/L		Recovery	Window (%R)				
CCV08	Selenium	5010	5000	100	90 - 110	P	02/10/2025	21:02	LB134659
	Silver	1220	1250	97	90 - 110	P	02/10/2025	21:02	LB134659
	Sodium	24900	25000	100	90 - 110	P	02/10/2025	21:02	LB134659
	Thallium	4780	5000	96	90 - 110	P	02/10/2025	21:02	LB134659
	Vanadium	2340	2500	94	90 - 110	P	02/10/2025	21:02	LB134659
	Zinc	2460	2500	99	90 - 110	P	02/10/2025	21:02	LB134659

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1242
Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242
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	2420	2500	97	90 - 110	P	02/12/2025	12:59	LB134704
	Antimony	1010	1000	101	90 - 110	P	02/12/2025	12:59	LB134704
	Arsenic	998	1000	100	90 - 110	P	02/12/2025	12:59	LB134704
	Barium	545	520	105	90 - 110	P	02/12/2025	12:59	LB134704
	Beryllium	501	510	98	90 - 110	P	02/12/2025	12:59	LB134704
	Cadmium	505	510	99	90 - 110	P	02/12/2025	12:59	LB134704
	Calcium	9700	10000	97	90 - 110	P	02/12/2025	12:59	LB134704
	Chromium	528	520	102	90 - 110	P	02/12/2025	12:59	LB134704
	Cobalt	509	520	98	90 - 110	P	02/12/2025	12:59	LB134704
	Copper	520	510	102	90 - 110	P	02/12/2025	12:59	LB134704
	Iron	10400	10000	104	90 - 110	P	02/12/2025	12:59	LB134704
	Lead	987	1000	99	90 - 110	P	02/12/2025	12:59	LB134704
	Magnesium	6290	6000	105	90 - 110	P	02/12/2025	12:59	LB134704
	Manganese	496	520	95	90 - 110	P	02/12/2025	12:59	LB134704
	Nickel	514	530	97	90 - 110	P	02/12/2025	12:59	LB134704
	Potassium	10100	9900	102	90 - 110	P	02/12/2025	12:59	LB134704
	Selenium	1030	1000	103	90 - 110	P	02/12/2025	12:59	LB134704
	Silver	247	250	99	90 - 110	P	02/12/2025	12:59	LB134704
	Sodium	10300	10000	103	90 - 110	P	02/12/2025	12:59	LB134704
	Thallium	1020	1000	102	90 - 110	P	02/12/2025	12:59	LB134704
	Vanadium	517	500	103	90 - 110	P	02/12/2025	12:59	LB134704
	Zinc	1010	1000	101	90 - 110	P	02/12/2025	12:59	LB134704

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1242
Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242
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	95.9	100	96	80 - 120	P	02/12/2025	13:08	LB134704
	Antimony	49.5	50.0	99	80 - 120	P	02/12/2025	13:08	LB134704
	Arsenic	19.2	20.0	96	80 - 120	P	02/12/2025	13:08	LB134704
	Barium	97.5	100	98	80 - 120	P	02/12/2025	13:08	LB134704
	Beryllium	5.68	6.0	95	80 - 120	P	02/12/2025	13:08	LB134704
	Cadmium	5.79	6.0	96	80 - 120	P	02/12/2025	13:08	LB134704
	Calcium	1990	2000	99	80 - 120	P	02/12/2025	13:08	LB134704
	Chromium	10.2	10.0	102	80 - 120	P	02/12/2025	13:08	LB134704
	Cobalt	29.3	30.0	98	80 - 120	P	02/12/2025	13:08	LB134704
	Copper	21.9	20.0	110	80 - 120	P	02/12/2025	13:08	LB134704
	Iron	102	100	102	80 - 120	P	02/12/2025	13:08	LB134704
	Lead	10.4	12.0	87	80 - 120	P	02/12/2025	13:08	LB134704
	Magnesium	2110	2000	105	80 - 120	P	02/12/2025	13:08	LB134704
	Manganese	19.8	20.0	99	80 - 120	P	02/12/2025	13:08	LB134704
	Nickel	39.3	40.0	98	80 - 120	P	02/12/2025	13:08	LB134704
	Potassium	2090	2000	104	80 - 120	P	02/12/2025	13:08	LB134704
	Selenium	18.5	20.0	92	80 - 120	P	02/12/2025	13:08	LB134704
	Silver	10.2	10.0	102	80 - 120	P	02/12/2025	13:08	LB134704
	Sodium	2090	2000	104	80 - 120	P	02/12/2025	13:08	LB134704
	Thallium	39.9	40.0	100	80 - 120	P	02/12/2025	13:08	LB134704
	Vanadium	38.4	40.0	96	80 - 120	P	02/12/2025	13:08	LB134704
	Zinc	42.2	40.0	106	80 - 120	P	02/12/2025	13:08	LB134704

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC SDG No.: Q1242
Contract: RUTW01 Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242
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	02/12/2025	13:39	LB134704
	Antimony	4950	5000	99	90 - 110	P	02/12/2025	13:39	LB134704
	Arsenic	4980	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Barium	10100	10000	101	90 - 110	P	02/12/2025	13:39	LB134704
	Beryllium	246	250	98	90 - 110	P	02/12/2025	13:39	LB134704
	Cadmium	2500	2500	100	90 - 110	P	02/12/2025	13:39	LB134704
	Calcium	25000	25000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Chromium	999	1000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Cobalt	2490	2500	100	90 - 110	P	02/12/2025	13:39	LB134704
	Copper	1260	1250	101	90 - 110	P	02/12/2025	13:39	LB134704
	Iron	5110	5000	102	90 - 110	P	02/12/2025	13:39	LB134704
	Lead	5000	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Magnesium	25000	25000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Manganese	2520	2500	101	90 - 110	P	02/12/2025	13:39	LB134704
	Nickel	2500	2500	100	90 - 110	P	02/12/2025	13:39	LB134704
	Potassium	25100	25000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Selenium	4980	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Silver	1240	1250	99	90 - 110	P	02/12/2025	13:39	LB134704
	Sodium	25200	25000	101	90 - 110	P	02/12/2025	13:39	LB134704
	Thallium	5020	5000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Vanadium	2490	2500	100	90 - 110	P	02/12/2025	13:39	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	13:39	LB134704
CCV02	Aluminum	9980	10000	100	90 - 110	P	02/12/2025	14:29	LB134704
	Antimony	5040	5000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Arsenic	5040	5000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Barium	10000	10000	100	90 - 110	P	02/12/2025	14:29	LB134704
	Beryllium	247	250	99	90 - 110	P	02/12/2025	14:29	LB134704
	Cadmium	2540	2500	102	90 - 110	P	02/12/2025	14:29	LB134704
	Calcium	25100	25000	100	90 - 110	P	02/12/2025	14:29	LB134704
	Chromium	1030	1000	103	90 - 110	P	02/12/2025	14:29	LB134704
	Cobalt	2530	2500	101	90 - 110	P	02/12/2025	14:29	LB134704
	Copper	1270	1250	102	90 - 110	P	02/12/2025	14:29	LB134704
	Iron	5210	5000	104	90 - 110	P	02/12/2025	14:29	LB134704
	Lead	5060	5000	101	90 - 110	P	02/12/2025	14:29	LB134704

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1242

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

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	25200	25000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Manganese	2500	2500	100	90 - 110	P	02/12/2025	14:29	LB134704
	Nickel	2530	2500	101	90 - 110	P	02/12/2025	14:29	LB134704
	Potassium	26000	25000	104	90 - 110	P	02/12/2025	14:29	LB134704
	Selenium	5040	5000	101	90 - 110	P	02/12/2025	14:29	LB134704
	Silver	1270	1250	102	90 - 110	P	02/12/2025	14:29	LB134704
	Sodium	26300	25000	105	90 - 110	P	02/12/2025	14:29	LB134704
	Thallium	5160	5000	103	90 - 110	P	02/12/2025	14:29	LB134704
	Vanadium	2510	2500	100	90 - 110	P	02/12/2025	14:29	LB134704
	Zinc	2520	2500	101	90 - 110	P	02/12/2025	14:29	LB134704
CCV03	Aluminum	9920	10000	99	90 - 110	P	02/12/2025	15:20	LB134704
	Antimony	4990	5000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Arsenic	4960	5000	99	90 - 110	P	02/12/2025	15:20	LB134704
	Barium	10000	10000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Beryllium	243	250	97	90 - 110	P	02/12/2025	15:20	LB134704
	Cadmium	2490	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
	Calcium	24900	25000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	15:20	LB134704
	Cobalt	2490	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	15:20	LB134704
	Iron	5160	5000	103	90 - 110	P	02/12/2025	15:20	LB134704
	Lead	4980	5000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Magnesium	24900	25000	100	90 - 110	P	02/12/2025	15:20	LB134704
	Manganese	2470	2500	99	90 - 110	P	02/12/2025	15:20	LB134704
	Nickel	2490	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
	Potassium	26000	25000	104	90 - 110	P	02/12/2025	15:20	LB134704
	Selenium	4970	5000	99	90 - 110	P	02/12/2025	15:20	LB134704
	Silver	1260	1250	101	90 - 110	P	02/12/2025	15:20	LB134704
	Sodium	26600	25000	106	90 - 110	P	02/12/2025	15:20	LB134704
	Thallium	5070	5000	101	90 - 110	P	02/12/2025	15:20	LB134704
	Vanadium	2490	2500	99	90 - 110	P	02/12/2025	15:20	LB134704
	Zinc	2510	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
CCV04	Aluminum	9770	10000	98	90 - 110	P	02/12/2025	16:13	LB134704
	Antimony	4820	5000	96	90 - 110	P	02/12/2025	16:13	LB134704

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC SDG No.: Q1242
Contract: RUTW01 Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242
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	4870	5000	97	90 - 110	P	02/12/2025	16:13	LB134704
	Barium	9830	10000	98	90 - 110	P	02/12/2025	16:13	LB134704
	Beryllium	245	250	98	90 - 110	P	02/12/2025	16:13	LB134704
	Cadmium	2500	2500	100	90 - 110	P	02/12/2025	16:13	LB134704
	Calcium	24900	25000	100	90 - 110	P	02/12/2025	16:13	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	16:13	LB134704
	Cobalt	2470	2500	99	90 - 110	P	02/12/2025	16:13	LB134704
	Copper	1240	1250	99	90 - 110	P	02/12/2025	16:13	LB134704
	Iron	5120	5000	102	90 - 110	P	02/12/2025	16:13	LB134704
	Lead	4970	5000	99	90 - 110	P	02/12/2025	16:13	LB134704
	Magnesium	25200	25000	101	90 - 110	P	02/12/2025	16:13	LB134704
	Manganese	2480	2500	99	90 - 110	P	02/12/2025	16:13	LB134704
	Nickel	2490	2500	100	90 - 110	P	02/12/2025	16:13	LB134704
	Potassium	25000	25000	100	90 - 110	P	02/12/2025	16:13	LB134704
	Selenium	4810	5000	96	90 - 110	P	02/12/2025	16:13	LB134704
	Silver	1250	1250	100	90 - 110	P	02/12/2025	16:13	LB134704
	Sodium	26200	25000	105	90 - 110	P	02/12/2025	16:13	LB134704
	Thallium	4760	5000	95	90 - 110	P	02/12/2025	16:13	LB134704
	Vanadium	2470	2500	99	90 - 110	P	02/12/2025	16:13	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	16:13	LB134704
CCV05	Aluminum	9750	10000	98	90 - 110	P	02/12/2025	17:04	LB134704
	Antimony	4870	5000	97	90 - 110	P	02/12/2025	17:04	LB134704
	Arsenic	4890	5000	98	90 - 110	P	02/12/2025	17:04	LB134704
	Barium	9700	10000	97	90 - 110	P	02/12/2025	17:04	LB134704
	Beryllium	251	250	100	90 - 110	P	02/12/2025	17:04	LB134704
	Cadmium	2490	2500	100	90 - 110	P	02/12/2025	17:04	LB134704
	Calcium	24700	25000	99	90 - 110	P	02/12/2025	17:04	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	17:04	LB134704
	Cobalt	2480	2500	99	90 - 110	P	02/12/2025	17:04	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	17:04	LB134704
	Iron	5000	5000	100	90 - 110	P	02/12/2025	17:04	LB134704
	Lead	4970	5000	100	90 - 110	P	02/12/2025	17:04	LB134704
	Magnesium	25000	25000	100	90 - 110	P	02/12/2025	17:04	LB134704
	Manganese	2460	2500	98	90 - 110	P	02/12/2025	17:04	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1242

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1242 **SAS No.:** Q1242

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	2490	2500	100	90 - 110	P	02/12/2025	17:04	LB134704
	Potassium	24200	25000	97	90 - 110	P	02/12/2025	17:04	LB134704
	Selenium	4840	5000	97	90 - 110	P	02/12/2025	17:04	LB134704
	Silver	1250	1250	100	90 - 110	P	02/12/2025	17:04	LB134704
	Sodium	24800	25000	99	90 - 110	P	02/12/2025	17:04	LB134704
	Thallium	4720	5000	94	90 - 110	P	02/12/2025	17:04	LB134704
	Vanadium	2450	2500	98	90 - 110	P	02/12/2025	17:04	LB134704
	Zinc	2480	2500	99	90 - 110	P	02/12/2025	17:04	LB134704
CCV06	Aluminum	9860	10000	99	90 - 110	P	02/12/2025	17:55	LB134704
	Antimony	4890	5000	98	90 - 110	P	02/12/2025	17:55	LB134704
	Arsenic	4910	5000	98	90 - 110	P	02/12/2025	17:55	LB134704
	Barium	9930	10000	99	90 - 110	P	02/12/2025	17:55	LB134704
	Beryllium	250	250	100	90 - 110	P	02/12/2025	17:55	LB134704
	Cadmium	2500	2500	100	90 - 110	P	02/12/2025	17:55	LB134704
	Calcium	25200	25000	101	90 - 110	P	02/12/2025	17:55	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	17:55	LB134704
	Cobalt	2490	2500	99	90 - 110	P	02/12/2025	17:55	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	17:55	LB134704
	Iron	5180	5000	104	90 - 110	P	02/12/2025	17:55	LB134704
	Lead	4980	5000	100	90 - 110	P	02/12/2025	17:55	LB134704
	Magnesium	25400	25000	102	90 - 110	P	02/12/2025	17:55	LB134704
	Manganese	2530	2500	101	90 - 110	P	02/12/2025	17:55	LB134704
	Nickel	2500	2500	100	90 - 110	P	02/12/2025	17:55	LB134704
	Potassium	25100	25000	100	90 - 110	P	02/12/2025	17:55	LB134704
	Selenium	4860	5000	97	90 - 110	P	02/12/2025	17:55	LB134704
	Silver	1260	1250	101	90 - 110	P	02/12/2025	17:55	LB134704
	Sodium	25700	25000	103	90 - 110	P	02/12/2025	17:55	LB134704
	Thallium	4740	5000	95	90 - 110	P	02/12/2025	17:55	LB134704
	Vanadium	2510	2500	100	90 - 110	P	02/12/2025	17:55	LB134704
	Zinc	2490	2500	99	90 - 110	P	02/12/2025	17:55	LB134704
CCV07	Aluminum	9920	10000	99	90 - 110	P	02/12/2025	18:34	LB134704
	Antimony	5000	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Arsenic	5020	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Barium	9970	10000	100	90 - 110	P	02/12/2025	18:34	LB134704

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC SDG No.: Q1242
Contract: RUTW01 Lab Code: CHEM Case No.: Q1242 SAS No.: Q1242
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	245	250	98	90 - 110	P	02/12/2025	18:34	LB134704
	Cadmium	2520	2500	101	90 - 110	P	02/12/2025	18:34	LB134704
	Calcium	24900	25000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Chromium	1020	1000	102	90 - 110	P	02/12/2025	18:34	LB134704
	Cobalt	2500	2500	100	90 - 110	P	02/12/2025	18:34	LB134704
	Copper	1270	1250	102	90 - 110	P	02/12/2025	18:34	LB134704
	Iron	5160	5000	103	90 - 110	P	02/12/2025	18:34	LB134704
	Lead	5020	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Magnesium	25100	25000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Manganese	2480	2500	99	90 - 110	P	02/12/2025	18:34	LB134704
	Nickel	2510	2500	100	90 - 110	P	02/12/2025	18:34	LB134704
	Potassium	25400	25000	102	90 - 110	P	02/12/2025	18:34	LB134704
	Selenium	5000	5000	100	90 - 110	P	02/12/2025	18:34	LB134704
	Silver	1260	1250	101	90 - 110	P	02/12/2025	18:34	LB134704
	Sodium	26100	25000	105	90 - 110	P	02/12/2025	18:34	LB134704
	Thallium	4800	5000	96	90 - 110	P	02/12/2025	18:34	LB134704
	Vanadium	2490	2500	100	90 - 110	P	02/12/2025	18:34	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	18:34	LB134704