284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1232

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1232 **SAS No.:** Q1232

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
ICV77	Mercury	3.97	4.0	99	90 - 110	CV	01/31/2025	13:15	LB134501

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1232

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1232 **SAS No.:** Q1232

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
CCV92	Mercury	4.92	5.0	98	90 - 110	CV	01/31/2025	13:19	LB134501
CCV93	Mercury	4.98	5.0	100	90 - 110	CV	01/31/2025	13:47	LB134501
CCV94	Mercury	5.01	5.0	100	90 - 110	CV	01/31/2025	14:15	LB134501
CCV95	Mercury	5.00	5.0	100	90 - 110	CV	01/31/2025	14:42	LB134501
CCV96	Mercury	5.03	5.0	100	90 - 110	CV	01/31/2025	14:52	LB134501

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1232

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1232 **SAS No.:** Q1232

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2400	2500	96	90 - 110	P	01/31/2025	11:23	LB134505
	Antimony	1020	1000	102	90 - 110	P	01/31/2025	11:23	LB134505
	Arsenic	1030	1000	103	90 - 110	P	01/31/2025	11:23	LB134505
	Barium	478	520	92	90 - 110	P	01/31/2025	11:23	LB134505
	Beryllium	487	510	96	90 - 110	P	01/31/2025	11:23	LB134505
	Cadmium	496	510	97	90 - 110	P	01/31/2025	11:23	LB134505
	Calcium	9560	10000	96	90 - 110	P	01/31/2025	11:23	LB134505
	Chromium	519	520	100	90 - 110	P	01/31/2025	11:23	LB134505
	Cobalt	501	520	96	90 - 110	P	01/31/2025	11:23	LB134505
	Copper	515	510	101	90 - 110	P	01/31/2025	11:23	LB134505
	Iron	9830	10000	98	90 - 110	P	01/31/2025	11:23	LB134505
	Lead	997	1000	100	90 - 110	P	01/31/2025	11:23	LB134505
	Magnesium	5620	6000	94	90 - 110	P	01/31/2025	11:23	LB134505
	Manganese	488	520	94	90 - 110	P	01/31/2025	11:23	LB134505
	Nickel	504	530	95	90 - 110	P	01/31/2025	11:23	LB134505
	Potassium	9640	9900	97	90 - 110	P	01/31/2025	11:23	LB134505
	Selenium	1040	1000	104	90 - 110	P	01/31/2025	11:23	LB134505
	Silver	252	250	101	90 - 110	P	01/31/2025	11:23	LB134505
	Sodium	9160	10000	92	90 - 110	P	01/31/2025	11:23	LB134505
	Thallium	1020	1000	102	90 - 110	P	01/31/2025	11:23	LB134505
	Vanadium	481	500	96	90 - 110	P	01/31/2025	11:23	LB134505
	Zinc	1010	1000	101	90 - 110	P	01/31/2025	11:23	LB134505

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1232

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1232 **SAS No.:** Q1232

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	01/31/2025	11:27	LB134505
	Antimony	50.9	50.0	102	80 - 120	P	01/31/2025	11:27	LB134505
	Arsenic	23.2	20.0	116	80 - 120	P	01/31/2025	11:27	LB134505
	Barium	92.6	100	93	80 - 120	P	01/31/2025	11:27	LB134505
	Beryllium	5.53	6.0	92	80 - 120	P	01/31/2025	11:27	LB134505
	Cadmium	5.82	6.0	97	80 - 120	P	01/31/2025	11:27	LB134505
	Calcium	1920	2000	96	80 - 120	P	01/31/2025	11:27	LB134505
	Chromium	9.80	10.0	98	80 - 120	P	01/31/2025	11:27	LB134505
	Cobalt	29.1	30.0	97	80 - 120	P	01/31/2025	11:27	LB134505
	Copper	21.7	20.0	108	80 - 120	P	01/31/2025	11:27	LB134505
	Iron	103	100	103	80 - 120	P	01/31/2025	11:27	LB134505
	Lead	12.9	12.0	108	80 - 120	P	01/31/2025	11:27	LB134505
	Magnesium	2040	2000	102	80 - 120	P	01/31/2025	11:27	LB134505
	Manganese	19.5	20.0	98	80 - 120	P	01/31/2025	11:27	LB134505
	Nickel	39.2	40.0	98	80 - 120	P	01/31/2025	11:27	LB134505
	Potassium	2050	2000	102	80 - 120	P	01/31/2025	11:27	LB134505
	Selenium	19.2	20.0	96	80 - 120	P	01/31/2025	11:27	LB134505
	Silver	10.3	10.0	104	80 - 120	P	01/31/2025	11:27	LB134505
	Sodium	1950	2000	98	80 - 120	P	01/31/2025	11:27	LB134505
	Thallium	37.8	40.0	95	80 - 120	P	01/31/2025	11:27	LB134505
	Vanadium	39.9	40.0	100	80 - 120	P	01/31/2025	11:27	LB134505
	Zinc	41.2	40.0	103	80 - 120	P	01/31/2025	11:27	LB134505

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1232

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1232 **SAS No.:** Q1232

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	9490	10000	95	90 - 110	P	01/31/2025	12:16	LB134505
	Antimony	4880	5000	98	90 - 110	P	01/31/2025	12:16	LB134505
	Arsenic	4860	5000	97	90 - 110	P	01/31/2025	12:16	LB134505
	Barium	9620	10000	96	90 - 110	P	01/31/2025	12:16	LB134505
	Beryllium	251	250	100	90 - 110	P	01/31/2025	12:16	LB134505
	Cadmium	2380	2500	95	90 - 110	P	01/31/2025	12:16	LB134505
	Calcium	23600	25000	94	90 - 110	P	01/31/2025	12:16	LB134505
	Chromium	956	1000	96	90 - 110	P	01/31/2025	12:16	LB134505
	Cobalt	2380	2500	95	90 - 110	P	01/31/2025	12:16	LB134505
	Copper	1220	1250	98	90 - 110	P	01/31/2025	12:16	LB134505
	Iron	4860	5000	97	90 - 110	P	01/31/2025	12:16	LB134505
	Lead	4780	5000	96	90 - 110	P	01/31/2025	12:16	LB134505
	Magnesium	23200	25000	93	90 - 110	P	01/31/2025	12:16	LB134505
	Manganese	2340	2500	94	90 - 110	P	01/31/2025	12:16	LB134505
	Nickel	2380	2500	95	90 - 110	P	01/31/2025	12:16	LB134505
	Potassium	24500	25000	98	90 - 110	P	01/31/2025	12:16	LB134505
	Selenium	4910	5000	98	90 - 110	P	01/31/2025	12:16	LB134505
	Silver	1190	1250	96	90 - 110	P	01/31/2025	12:16	LB134505
	Sodium	24500	25000	98	90 - 110	P	01/31/2025	12:16	LB134505
	Thallium	5080	5000	102	90 - 110	P	01/31/2025	12:16	LB134505
	Vanadium	2370	2500	95	90 - 110	P	01/31/2025	12:16	LB134505
	Zinc	2410	2500	96	90 - 110	P	01/31/2025	12:16	LB134505
CCV02	Aluminum	9670	10000	97	90 - 110	P	01/31/2025	13:06	LB134505
	Antimony	4970	5000	100	90 - 110	P	01/31/2025	13:06	LB134505
	Arsenic	4930	5000	99	90 - 110	P	01/31/2025	13:06	LB134505
	Barium	9270	10000	93	90 - 110	P	01/31/2025	13:06	LB134505
	Beryllium	227	250	91	90 - 110	P	01/31/2025	13:06	LB134505
	Cadmium	2360	2500	94	90 - 110	P	01/31/2025	13:06	LB134505
	Calcium	23200	25000	93	90 - 110	P	01/31/2025	13:06	LB134505
	Chromium	971	1000	97	90 - 110	P	01/31/2025	13:06	LB134505
	Cobalt	2380	2500	95	90 - 110	P	01/31/2025	13:06	LB134505
	Copper	1240	1250	99	90 - 110	P	01/31/2025	13:06	LB134505
	Iron	4780	5000	96	90 - 110	P	01/31/2025	13:06	LB134505
	Lead	4760	5000	95	90 - 110	P	01/31/2025	13:06	LB134505

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1232

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1232 **SAS No.:** Q1232

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23400	25000	94	90 - 110	P	01/31/2025	13:06	LB134505
	Manganese	2260	2500	91	90 - 110	P	01/31/2025	13:06	LB134505
	Nickel	2380	2500	95	90 - 110	P	01/31/2025	13:06	LB134505
	Potassium	24600	25000	98	90 - 110	P	01/31/2025	13:06	LB134505
	Selenium	5020	5000	100	90 - 110	P	01/31/2025	13:06	LB134505
	Silver	1190	1250	95	90 - 110	P	01/31/2025	13:06	LB134505
	Sodium	24000	25000	96	90 - 110	P	01/31/2025	13:06	LB134505
	Thallium	5100	5000	102	90 - 110	P	01/31/2025	13:06	LB134505
	Vanadium	2370	2500	95	90 - 110	P	01/31/2025	13:06	LB134505
	Zinc	2410	2500	96	90 - 110	P	01/31/2025	13:06	LB134505
CCV03	Aluminum	9820	10000	98	90 - 110	P	01/31/2025	13:57	LB134505
	Antimony	4880	5000	98	90 - 110	P	01/31/2025	13:57	LB134505
	Arsenic	4840	5000	97	90 - 110	P	01/31/2025	13:57	LB134505
	Barium	9480	10000	95	90 - 110	P	01/31/2025	13:57	LB134505
	Beryllium	246	250	98	90 - 110	P	01/31/2025	13:57	LB134505
	Cadmium	2390	2500	96	90 - 110	P	01/31/2025	13:57	LB134505
	Calcium	23700	25000	95	90 - 110	P	01/31/2025	13:57	LB134505
	Chromium	982	1000	98	90 - 110	P	01/31/2025	13:57	LB134505
	Cobalt	2390	2500	96	90 - 110	P	01/31/2025	13:57	LB134505
	Copper	1230	1250	98	90 - 110	P	01/31/2025	13:57	LB134505
	Iron	4710	5000	94	90 - 110	P	01/31/2025	13:57	LB134505
	Lead	4790	5000	96	90 - 110	P	01/31/2025	13:57	LB134505
	Magnesium	23700	25000	95	90 - 110	P	01/31/2025	13:57	LB134505
	Manganese	2330	2500	93	90 - 110	P	01/31/2025	13:57	LB134505
	Nickel	2390	2500	96	90 - 110	P	01/31/2025	13:57	LB134505
	Potassium	23900	25000	96	90 - 110	P	01/31/2025	13:57	LB134505
	Selenium	4880	5000	98	90 - 110	P	01/31/2025	13:57	LB134505
	Silver	1220	1250	97	90 - 110	P	01/31/2025	13:57	LB134505
	Sodium	22600	25000	90	90 - 110	P	01/31/2025	13:57	LB134505
	Thallium	5160	5000	103	90 - 110	P	01/31/2025	13:57	LB134505
	Vanadium	2400	2500	96	90 - 110	P	01/31/2025	13:57	LB134505
	Zinc	2440	2500	98	90 - 110	P	01/31/2025	13:57	LB134505
CCV04	Aluminum	9870	10000	99	90 - 110	P	01/31/2025	14:47	LB134505
	Antimony	5050	5000	101	90 - 110	P	01/31/2025	14:47	LB134505

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1232

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1232 **SAS No.:** Q1232

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	5030	5000	101	90 - 110	P	01/31/2025	14:47	LB134505
	Barium	9430	10000	94	90 - 110	P	01/31/2025	14:47	LB134505
	Beryllium	243	250	97	90 - 110	P	01/31/2025	14:47	LB134505
	Cadmium	2440	2500	97	90 - 110	P	01/31/2025	14:47	LB134505
	Calcium	23500	25000	94	90 - 110	P	01/31/2025	14:47	LB134505
	Chromium	1010	1000	101	90 - 110	P	01/31/2025	14:47	LB134505
	Cobalt	2430	2500	97	90 - 110	P	01/31/2025	14:47	LB134505
	Copper	1260	1250	101	90 - 110	P	01/31/2025	14:47	LB134505
	Iron	4760	5000	95	90 - 110	P	01/31/2025	14:47	LB134505
	Lead	4880	5000	98	90 - 110	P	01/31/2025	14:47	LB134505
	Magnesium	23700	25000	95	90 - 110	P	01/31/2025	14:47	LB134505
	Manganese	2280	2500	91	90 - 110	P	01/31/2025	14:47	LB134505
	Nickel	2430	2500	97	90 - 110	P	01/31/2025	14:47	LB134505
	Potassium	24300	25000	97	90 - 110	P	01/31/2025	14:47	LB134505
	Selenium	5090	5000	102	90 - 110	P	01/31/2025	14:47	LB134505
	Silver	1240	1250	99	90 - 110	P	01/31/2025	14:47	LB134505
	Sodium	22600	25000	90	90 - 110	P	01/31/2025	14:47	LB134505
	Thallium	5290	5000	106	90 - 110	P	01/31/2025	14:47	LB134505
	Vanadium	2400	2500	96	90 - 110	P	01/31/2025	14:47	LB134505
	Zinc	2510	2500	101	90 - 110	P	01/31/2025	14:47	LB134505
CCV05	Aluminum	9620	10000	96	90 - 110	P	01/31/2025	15:25	LB134505
	Antimony	4930	5000	98	90 - 110	P	01/31/2025	15:25	LB134505
	Arsenic	4900	5000	98	90 - 110	P	01/31/2025	15:25	LB134505
	Barium	9380	10000	94	90 - 110	P	01/31/2025	15:25	LB134505
	Beryllium	230	250	92	90 - 110	P	01/31/2025	15:25	LB134505
	Cadmium	2370	2500	95	90 - 110	P	01/31/2025	15:25	LB134505
	Calcium	23300	25000	93	90 - 110	P	01/31/2025	15:25	LB134505
	Chromium	979	1000	98	90 - 110	P	01/31/2025	15:25	LB134505
	Cobalt	2370	2500	95	90 - 110	P	01/31/2025	15:25	LB134505
	Copper	1230	1250	98	90 - 110	P	01/31/2025	15:25	LB134505
	Iron	4860	5000	97	90 - 110	P	01/31/2025	15:25	LB134505
	Lead	4750	5000	95	90 - 110	P	01/31/2025	15:25	LB134505
	Magnesium	23200	25000	93	90 - 110	P	01/31/2025	15:25	LB134505
	Manganese	2280	2500	91	90 - 110	P	01/31/2025	15:25	LB134505

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1232

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1232 **SAS No.:** Q1232

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	2370	2500	95	90 - 110	P	01/31/2025	15:25	LB134505
	Potassium	24900	25000	100	90 - 110	P	01/31/2025	15:25	LB134505
	Selenium	4970	5000	99	90 - 110	P	01/31/2025	15:25	LB134505
	Silver	1210	1250	97	90 - 110	P	01/31/2025	15:25	LB134505
	Sodium	23900	25000	96	90 - 110	P	01/31/2025	15:25	LB134505
	Thallium	5000	5000	100	90 - 110	P	01/31/2025	15:25	LB134505
	Vanadium	2370	2500	95	90 - 110	P	01/31/2025	15:25	LB134505
	Zinc	2420	2500	97	90 - 110	P	01/31/2025	15:25	LB134505