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.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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
ICV83	Mercury	3.97	4.0	99	90 - 110	CV	02/04/2025	11:29	LB134551

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Client: RU2 Engineering, LLC **SDG No.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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
CCV18	Mercury	4.90	5.0	98	90 - 110	CV	02/04/2025	11:34	LB134551
CCV19	Mercury	4.75	5.0	95	90 - 110	CV	02/04/2025	12:05	LB134551
CCV20	Mercury	4.69	5.0	94	90 - 110	CV	02/04/2025	12:30	LB134551
CCV21	Mercury	5.21	5.0	104	90 - 110	CV	02/04/2025	12:41	LB134551

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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	Arsenic	983	1000	98	90 - 110	P	02/06/2025	12:59	Lb134604
	Barium	477	520	92	90 - 110	P	02/06/2025	12:59	Lb134604
	Cadmium	498	510	98	90 - 110	P	02/06/2025	12:59	Lb134604
	Chromium	532	520	102	90 - 110	P	02/06/2025	12:59	Lb134604
	Lead	981	1000	98	90 - 110	P	02/06/2025	12:59	Lb134604
	Selenium	1020	1000	102	90 - 110	P	02/06/2025	12:59	Lb134604
	Silver	252	250	101	90 - 110	P	02/06/2025	12:59	Lb134604

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Client: RU2 Engineering, LLC **SDG No.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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	Arsenic	18.4	20.0	92	80 - 120	P	02/06/2025	13:03	Lb134604
	Barium	92.2	100	92	80 - 120	P	02/06/2025	13:03	Lb134604
	Cadmium	5.94	6.0	99	80 - 120	P	02/06/2025	13:03	Lb134604
	Chromium	9.88	10.0	99	80 - 120	P	02/06/2025	13:03	Lb134604
	Lead	11.1	12.0	92	80 - 120	P	02/06/2025	13:03	Lb134604
	Selenium	20.5	20.0	103	80 - 120	P	02/06/2025	13:03	Lb134604
	Silver	10.9	10.0	109	80 - 120	P	02/06/2025	13:03	Lb134604

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Client: RU2 Engineering, LLC **SDG No.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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	Arsenic	4910	5000	98	90 - 110	P	02/06/2025	13:25	Lb134604
	Barium	9480	10000	95	90 - 110	P	02/06/2025	13:25	Lb134604
	Cadmium	2440	2500	98	90 - 110	P	02/06/2025	13:25	Lb134604
	Chromium	996	1000	100	90 - 110	P	02/06/2025	13:25	Lb134604
	Lead	4870	5000	98	90 - 110	P	02/06/2025	13:25	Lb134604
	Selenium	4930	5000	99	90 - 110	P	02/06/2025	13:25	Lb134604
	Silver	1240	1250	99	90 - 110	P	02/06/2025	13:25	Lb134604
CCV02	Arsenic	4820	5000	96	90 - 110	P	02/06/2025	13:59	Lb134604
	Barium	9530	10000	95	90 - 110	P	02/06/2025	13:59	Lb134604
	Cadmium	2440	2500	98	90 - 110	P	02/06/2025	13:59	Lb134604
	Chromium	988	1000	99	90 - 110	P	02/06/2025	13:59	Lb134604
	Lead	4850	5000	97	90 - 110	P	02/06/2025	13:59	Lb134604
	Selenium	4820	5000	96	90 - 110	P	02/06/2025	13:59	Lb134604
	Silver	1230	1250	98	90 - 110	P	02/06/2025	13:59	Lb134604
CCV03	Arsenic	4810	5000	96	90 - 110	P	02/06/2025	14:51	Lb134604
	Barium	9390	10000	94	90 - 110	P	02/06/2025	14:51	Lb134604
	Cadmium	2380	2500	95	90 - 110	P	02/06/2025	14:51	Lb134604
	Chromium	971	1000	97	90 - 110	P	02/06/2025	14:51	Lb134604
	Lead	4740	5000	95	90 - 110	P	02/06/2025	14:51	Lb134604
	Selenium	4840	5000	97	90 - 110	P	02/06/2025	14:51	Lb134604
	Silver	1200	1250	96	90 - 110	P	02/06/2025	14:51	Lb134604
CCV04	Arsenic	4970	5000	99	90 - 110	P	02/06/2025	15:09	Lb134604
	Barium	9780	10000	98	90 - 110	P	02/06/2025	15:09	Lb134604
	Cadmium	2460	2500	98	90 - 110	P	02/06/2025	15:09	Lb134604
	Chromium	999	1000	100	90 - 110	P	02/06/2025	15:09	Lb134604
	Lead	4920	5000	98	90 - 110	P	02/06/2025	15:09	Lb134604
	Selenium	5000	5000	100	90 - 110	P	02/06/2025	15:09	Lb134604
	Silver	1240	1250	99	90 - 110	P	02/06/2025	15:09	Lb134604

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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	Arsenic	1000	1000	100	90 - 110	P	02/07/2025	12:11	LB134636
	Barium	502	520	97	90 - 110	P	02/07/2025	12:11	LB134636
	Cadmium	510	510	100	90 - 110	P	02/07/2025	12:11	LB134636
	Chromium	532	520	102	90 - 110	P	02/07/2025	12:11	LB134636
	Lead	999	1000	100	90 - 110	P	02/07/2025	12:11	LB134636
	Selenium	1040	1000	104	90 - 110	P	02/07/2025	12:11	LB134636
	Silver	251	250	101	90 - 110	P	02/07/2025	12:11	LB134636

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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	Arsenic	21.8	20.0	109	80 - 120	P	02/07/2025	12:27	LB134636
	Barium	91.5	100	92	80 - 120	P	02/07/2025	12:27	LB134636
	Cadmium	6.03	6.0	100	80 - 120	P	02/07/2025	12:27	LB134636
	Chromium	9.90	10.0	99	80 - 120	P	02/07/2025	12:27	LB134636
	Lead	11.2	12.0	94	80 - 120	P	02/07/2025	12:27	LB134636
	Selenium	22.0	20.0	110	80 - 120	P	02/07/2025	12:27	LB134636
	Silver	10.1	10.0	101	80 - 120	P	02/07/2025	12:27	LB134636

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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	Arsenic	5070	5000	101	90 - 110	P	02/07/2025	12:57	LB134636
	Barium	9860	10000	99	90 - 110	P	02/07/2025	12:57	LB134636
	Cadmium	2490	2500	100	90 - 110	P	02/07/2025	12:57	LB134636
	Chromium	1010	1000	101	90 - 110	P	02/07/2025	12:57	LB134636
	Lead	4990	5000	100	90 - 110	P	02/07/2025	12:57	LB134636
	Selenium	5110	5000	102	90 - 110	P	02/07/2025	12:57	LB134636
	Silver	1250	1250	100	90 - 110	P	02/07/2025	12:57	LB134636
CCV02	Arsenic	5060	5000	101	90 - 110	P	02/07/2025	13:49	LB134636
	Barium	9830	10000	98	90 - 110	P	02/07/2025	13:49	LB134636
	Cadmium	2470	2500	99	90 - 110	P	02/07/2025	13:49	LB134636
	Chromium	1010	1000	100	90 - 110	P	02/07/2025	13:49	LB134636
	Lead	4970	5000	99	90 - 110	P	02/07/2025	13:49	LB134636
	Selenium	5110	5000	102	90 - 110	P	02/07/2025	13:49	LB134636
	Silver	1250	1250	100	90 - 110	P	02/07/2025	13:49	LB134636
CCV03	Arsenic	5200	5000	104	90 - 110	P	02/07/2025	14:41	LB134636
	Barium	9760	10000	98	90 - 110	P	02/07/2025	14:41	LB134636
	Cadmium	2440	2500	98	90 - 110	P	02/07/2025	14:41	LB134636
	Chromium	986	1000	99	90 - 110	P	02/07/2025	14:41	LB134636
	Lead	4920	5000	98	90 - 110	P	02/07/2025	14:41	LB134636
	Selenium	5300	5000	106	90 - 110	P	02/07/2025	14:41	LB134636
	Silver	1240	1250	99	90 - 110	P	02/07/2025	14:41	LB134636
CCV04	Arsenic	4960	5000	99	90 - 110	P	02/07/2025	15:32	LB134636
	Barium	9610	10000	96	90 - 110	P	02/07/2025	15:32	LB134636
	Cadmium	2430	2500	97	90 - 110	P	02/07/2025	15:32	LB134636
	Chromium	990	1000	99	90 - 110	P	02/07/2025	15:32	LB134636
	Lead	4890	5000	98	90 - 110	P	02/07/2025	15:32	LB134636
	Selenium	4980	5000	100	90 - 110	P	02/07/2025	15:32	LB134636
	Silver	1220	1250	98	90 - 110	P	02/07/2025	15:32	LB134636
CCV05	Arsenic	5090	5000	102	90 - 110	P	02/07/2025	16:24	LB134636
	Barium	9800	10000	98	90 - 110	P	02/07/2025	16:24	LB134636
	Cadmium	2480	2500	99	90 - 110	P	02/07/2025	16:24	LB134636
	Chromium	1020	1000	102	90 - 110	P	02/07/2025	16:24	LB134636
	Lead	4990	5000	100	90 - 110	P	02/07/2025	16:24	LB134636
	Selenium	5130	5000	102	90 - 110	P	02/07/2025	16:24	LB134636

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RU2 Engineering, LLC **SDG No.:** Q1241

Contract: RUTW01 **Lab Code:** CHEM **Case No.:** Q1241 **SAS No.:** Q1241

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	Silver	1260	1250	100	90 - 110	P	02/07/2025	16:24	LB134636
CCV06	Arsenic	5040	5000	101	90 - 110	P	02/07/2025	17:16	LB134636
	Barium	9530	10000	95	90 - 110	P	02/07/2025	17:16	LB134636
	Cadmium	2440	2500	97	90 - 110	P	02/07/2025	17:16	LB134636
	Chromium	1010	1000	101	90 - 110	P	02/07/2025	17:16	LB134636
	Lead	4910	5000	98	90 - 110	P	02/07/2025	17:16	LB134636
	Selenium	5080	5000	102	90 - 110	P	02/07/2025	17:16	LB134636
	Silver	1250	1250	100	90 - 110	P	02/07/2025	17:16	LB134636
CCV07	Arsenic	5210	5000	104	90 - 110	P	02/07/2025	18:00	LB134636
	Barium	9530	10000	95	90 - 110	P	02/07/2025	18:00	LB134636
	Cadmium	2450	2500	98	90 - 110	P	02/07/2025	18:00	LB134636
	Chromium	1010	1000	101	90 - 110	P	02/07/2025	18:00	LB134636
	Lead	4980	5000	100	90 - 110	P	02/07/2025	18:00	LB134636
	Selenium	5300	5000	106	90 - 110	P	02/07/2025	18:00	LB134636
	Silver	1240	1250	99	90 - 110	P	02/07/2025	18:00	LB134636
CCV08	Arsenic	5260	5000	105	90 - 110	P	02/07/2025	18:23	LB134636
	Barium	9470	10000	95	90 - 110	P	02/07/2025	18:23	LB134636
	Cadmium	2480	2500	99	90 - 110	P	02/07/2025	18:23	LB134636
	Chromium	1020	1000	102	90 - 110	P	02/07/2025	18:23	LB134636
	Lead	5020	5000	100	90 - 110	P	02/07/2025	18:23	LB134636
	Selenium	5330	5000	107	90 - 110	P	02/07/2025	18:23	LB134636
	Silver	1250	1250	100	90 - 110	P	02/07/2025	18:23	LB134636