

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q1036
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q1036 **SAS No.:** Q1036
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
ICV55	Mercury	3.69	4.0	92	90 - 110	CV	01/14/2025	14:00	LB134281

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Client: ENTACT **SDG No.:** Q1036
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q1036 **SAS No.:** Q1036
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV32	Mercury	4.99	5.0	100	90 - 110	CV	01/14/2025	14:07	LB134281
CCV33	Mercury	4.91	5.0	98	90 - 110	CV	01/14/2025	14:37	LB134281
CCV34	Mercury	4.69	5.0	94	90 - 110	CV	01/14/2025	15:12	LB134281
CCV35	Mercury	4.56	5.0	91	90 - 110	CV	01/14/2025	15:25	LB134281

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: Q1036
Contract: ENTA05 Lab Code: CHEM Case No.: Q1036 SAS No.: Q1036
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	2350	2500	94	95 - 105	P	01/17/2025	11:21	LB134334
	Arsenic	1030	1000	103	95 - 105	P	01/17/2025	11:21	LB134334
	Barium	487	520	94	95 - 105	P	01/17/2025	11:21	LB134334
	Cadmium	501	510	98	95 - 105	P	01/17/2025	11:21	LB134334
	Chromium	519	520	100	95 - 105	P	01/17/2025	11:21	LB134334
	Cobalt	505	520	97	95 - 105	P	01/17/2025	11:21	LB134334
	Copper	517	510	101	95 - 105	P	01/17/2025	11:21	LB134334
	Iron	9620	10000	96	95 - 105	P	01/17/2025	11:21	LB134334
	Lead	999	1000	100	95 - 105	P	01/17/2025	11:21	LB134334
	Nickel	508	530	96	95 - 105	P	01/17/2025	11:21	LB134334
	Selenium	1030	1000	103	95 - 105	P	01/17/2025	11:21	LB134334
	Silver	250	250	100	95 - 105	P	01/17/2025	11:21	LB134334
	Zinc	999	1000	100	95 - 105	P	01/17/2025	11:21	LB134334

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Client: ENTACT SDG No.: Q1036
Contract: ENTA05 Lab Code: CHEM Case No.: Q1036 SAS No.: Q1036
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	93.3	100	93	80 - 120	P	01/17/2025	11:26	LB134334
	Arsenic	22.1	20.0	110	80 - 120	P	01/17/2025	11:26	LB134334
	Barium	84.8	100	85	80 - 120	P	01/17/2025	11:26	LB134334
	Cadmium	5.81	6.0	97	80 - 120	P	01/17/2025	11:26	LB134334
	Chromium	9.66	10.0	97	80 - 120	P	01/17/2025	11:26	LB134334
	Cobalt	29.2	30.0	97	80 - 120	P	01/17/2025	11:26	LB134334
	Copper	22.0	20.0	110	80 - 120	P	01/17/2025	11:26	LB134334
	Iron	102	100	102	80 - 120	P	01/17/2025	11:26	LB134334
	Lead	13.0	12.0	108	80 - 120	P	01/17/2025	11:26	LB134334
	Nickel	39.2	40.0	98	80 - 120	P	01/17/2025	11:26	LB134334
	Selenium	21.1	20.0	105	80 - 120	P	01/17/2025	11:26	LB134334
	Silver	10.3	10.0	103	80 - 120	P	01/17/2025	11:26	LB134334
	Zinc	42.2	40.0	106	80 - 120	P	01/17/2025	11:26	LB134334

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Client: ENTACT **SDG No.:** Q1036
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q1036 **SAS No.:** Q1036
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9870	10000	99	90 - 110	P	01/17/2025	11:56	LB134334
	Arsenic	4930	5000	99	90 - 110	P	01/17/2025	11:56	LB134334
	Barium	9940	10000	99	90 - 110	P	01/17/2025	11:56	LB134334
	Cadmium	2460	2500	98	90 - 110	P	01/17/2025	11:56	LB134334
	Chromium	1010	1000	101	90 - 110	P	01/17/2025	11:56	LB134334
	Cobalt	2470	2500	99	90 - 110	P	01/17/2025	11:56	LB134334
	Copper	1250	1250	100	90 - 110	P	01/17/2025	11:56	LB134334
	Iron	5080	5000	102	90 - 110	P	01/17/2025	11:56	LB134334
	Lead	4950	5000	99	90 - 110	P	01/17/2025	11:56	LB134334
	Nickel	2470	2500	99	90 - 110	P	01/17/2025	11:56	LB134334
	Selenium	4900	5000	98	90 - 110	P	01/17/2025	11:56	LB134334
	Silver	1270	1250	101	90 - 110	P	01/17/2025	11:56	LB134334
	Zinc	2560	2500	102	90 - 110	P	01/17/2025	11:56	LB134334
CCV02	Aluminum	9630	10000	96	90 - 110	P	01/17/2025	12:47	LB134334
	Arsenic	4980	5000	100	90 - 110	P	01/17/2025	12:47	LB134334
	Barium	9490	10000	95	90 - 110	P	01/17/2025	12:47	LB134334
	Cadmium	2430	2500	97	90 - 110	P	01/17/2025	12:47	LB134334
	Chromium	987	1000	99	90 - 110	P	01/17/2025	12:47	LB134334
	Cobalt	2440	2500	98	90 - 110	P	01/17/2025	12:47	LB134334
	Copper	1250	1250	100	90 - 110	P	01/17/2025	12:47	LB134334
	Iron	4910	5000	98	90 - 110	P	01/17/2025	12:47	LB134334
	Lead	4860	5000	97	90 - 110	P	01/17/2025	12:47	LB134334
	Nickel	2440	2500	98	90 - 110	P	01/17/2025	12:47	LB134334
	Selenium	5030	5000	100	90 - 110	P	01/17/2025	12:47	LB134334
	Silver	1230	1250	99	90 - 110	P	01/17/2025	12:47	LB134334
	Zinc	2520	2500	101	90 - 110	P	01/17/2025	12:47	LB134334
CCV03	Aluminum	9520	10000	95	90 - 110	P	01/17/2025	13:36	LB134334
	Arsenic	4730	5000	95	90 - 110	P	01/17/2025	13:36	LB134334
	Barium	9550	10000	96	90 - 110	P	01/17/2025	13:36	LB134334
	Cadmium	2340	2500	94	90 - 110	P	01/17/2025	13:36	LB134334
	Chromium	952	1000	95	90 - 110	P	01/17/2025	13:36	LB134334
	Cobalt	2360	2500	94	90 - 110	P	01/17/2025	13:36	LB134334
	Copper	1210	1250	96	90 - 110	P	01/17/2025	13:36	LB134334
	Iron	4900	5000	98	90 - 110	P	01/17/2025	13:36	LB134334

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Client: ENTACT SDG No.: Q1036
Contract: ENTA05 Lab Code: CHEM Case No.: Q1036 SAS No.: Q1036
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
CCV03	Lead	4700	5000	94	90 - 110	P	01/17/2025	13:36	LB134334
	Nickel	2360	2500	94	90 - 110	P	01/17/2025	13:36	LB134334
	Selenium	4760	5000	95	90 - 110	P	01/17/2025	13:36	LB134334
	Silver	1210	1250	96	90 - 110	P	01/17/2025	13:36	LB134334
	Zinc	2440	2500	98	90 - 110	P	01/17/2025	13:36	LB134334
CCV04	Aluminum	9720	10000	97	90 - 110	P	01/17/2025	14:27	LB134334
	Arsenic	4910	5000	98	90 - 110	P	01/17/2025	14:27	LB134334
	Barium	9450	10000	94	90 - 110	P	01/17/2025	14:27	LB134334
	Cadmium	2420	2500	97	90 - 110	P	01/17/2025	14:27	LB134334
	Chromium	992	1000	99	90 - 110	P	01/17/2025	14:27	LB134334
	Cobalt	2440	2500	98	90 - 110	P	01/17/2025	14:27	LB134334
	Copper	1240	1250	100	90 - 110	P	01/17/2025	14:27	LB134334
	Iron	4940	5000	99	90 - 110	P	01/17/2025	14:27	LB134334
	Lead	4840	5000	97	90 - 110	P	01/17/2025	14:27	LB134334
	Nickel	2440	2500	97	90 - 110	P	01/17/2025	14:27	LB134334
	Selenium	4940	5000	99	90 - 110	P	01/17/2025	14:27	LB134334
	Silver	1240	1250	99	90 - 110	P	01/17/2025	14:27	LB134334
	Zinc	2520	2500	101	90 - 110	P	01/17/2025	14:27	LB134334
	Aluminum	9540	10000	95	90 - 110	P	01/17/2025	15:34	LB134334
	Arsenic	4770	5000	95	90 - 110	P	01/17/2025	15:34	LB134334
CCV05	Barium	9420	10000	94	90 - 110	P	01/17/2025	15:34	LB134334
	Cadmium	2370	2500	95	90 - 110	P	01/17/2025	15:34	LB134334
	Chromium	966	1000	97	90 - 110	P	01/17/2025	15:34	LB134334
	Cobalt	2390	2500	96	90 - 110	P	01/17/2025	15:34	LB134334
	Copper	1220	1250	98	90 - 110	P	01/17/2025	15:34	LB134334
	Iron	4740	5000	95	90 - 110	P	01/17/2025	15:34	LB134334
	Lead	4750	5000	95	90 - 110	P	01/17/2025	15:34	LB134334
	Nickel	2390	2500	96	90 - 110	P	01/17/2025	15:34	LB134334
	Selenium	4780	5000	96	90 - 110	P	01/17/2025	15:34	LB134334
	Silver	1210	1250	97	90 - 110	P	01/17/2025	15:34	LB134334
	Zinc	2430	2500	97	90 - 110	P	01/17/2025	15:34	LB134334
CCV06	Aluminum	9570	10000	96	90 - 110	P	01/17/2025	16:16	LB134334
	Arsenic	4820	5000	96	90 - 110	P	01/17/2025	16:16	LB134334
	Barium	9630	10000	96	90 - 110	P	01/17/2025	16:16	LB134334

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Client: ENTACT **SDG No.:** Q1036

Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q1036 **SAS No.:** Q1036

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
CCV06	Cadmium	2390	2500	96	90 - 110	P	01/17/2025	16:16	LB134334
	Chromium	968	1000	97	90 - 110	P	01/17/2025	16:16	LB134334
	Cobalt	2410	2500	96	90 - 110	P	01/17/2025	16:16	LB134334
	Copper	1230	1250	98	90 - 110	P	01/17/2025	16:16	LB134334
	Iron	4940	5000	99	90 - 110	P	01/17/2025	16:16	LB134334
	Lead	4780	5000	96	90 - 110	P	01/17/2025	16:16	LB134334
	Nickel	2410	2500	96	90 - 110	P	01/17/2025	16:16	LB134334
	Selenium	4850	5000	97	90 - 110	P	01/17/2025	16:16	LB134334
	Silver	1220	1250	98	90 - 110	P	01/17/2025	16:16	LB134334
	Zinc	2460	2500	98	90 - 110	P	01/17/2025	16:16	LB134334
CCV07	Aluminum	9520	10000	95	90 - 110	P	01/17/2025	17:11	LB134334
	Arsenic	4830	5000	96	90 - 110	P	01/17/2025	17:11	LB134334
	Barium	9180	10000	92	90 - 110	P	01/17/2025	17:11	LB134334
	Cadmium	2390	2500	96	90 - 110	P	01/17/2025	17:11	LB134334
	Chromium	970	1000	97	90 - 110	P	01/17/2025	17:11	LB134334
	Cobalt	2390	2500	96	90 - 110	P	01/17/2025	17:11	LB134334
	Copper	1220	1250	98	90 - 110	P	01/17/2025	17:11	LB134334
	Iron	4770	5000	96	90 - 110	P	01/17/2025	17:11	LB134334
	Lead	4770	5000	95	90 - 110	P	01/17/2025	17:11	LB134334
	Nickel	2400	2500	96	90 - 110	P	01/17/2025	17:11	LB134334
	Selenium	4860	5000	97	90 - 110	P	01/17/2025	17:11	LB134334
	Silver	1210	1250	97	90 - 110	P	01/17/2025	17:11	LB134334
	Zinc	2450	2500	98	90 - 110	P	01/17/2025	17:11	LB134334
	Aluminum	9660	10000	97	90 - 110	P	01/17/2025	17:52	LB134334
CCV08	Arsenic	4910	5000	98	90 - 110	P	01/17/2025	17:52	LB134334
	Barium	9420	10000	94	90 - 110	P	01/17/2025	17:52	LB134334
	Cadmium	2410	2500	97	90 - 110	P	01/17/2025	17:52	LB134334
	Chromium	988	1000	99	90 - 110	P	01/17/2025	17:52	LB134334
	Cobalt	2420	2500	97	90 - 110	P	01/17/2025	17:52	LB134334
	Copper	1240	1250	99	90 - 110	P	01/17/2025	17:52	LB134334
	Iron	4960	5000	99	90 - 110	P	01/17/2025	17:52	LB134334
	Lead	4820	5000	96	90 - 110	P	01/17/2025	17:52	LB134334
	Nickel	2420	2500	97	90 - 110	P	01/17/2025	17:52	LB134334
	Selenium	4950	5000	99	90 - 110	P	01/17/2025	17:52	LB134334

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q1036
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q1036 **SAS No.:** Q1036
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	Silver	1230	1250	98	90 - 110	P	01/17/2025	17:52	LB134334
	Zinc	2490	2500	99	90 - 110	P	01/17/2025	17:52	LB134334