

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** Q2301
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q2301 **SAS No.:** Q2301
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
ICV38	Mercury	3.63	4.0	91	90 - 110	CV	06/16/2025	09:16	LB136157

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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
CCV42	Mercury	4.94	5.0	99	90 - 110	CV	06/16/2025	09:21	LB136157
CCV43	Mercury	4.83	5.0	97	90 - 110	CV	06/16/2025	09:53	LB136157
CCV44	Mercury	4.71	5.0	94	90 - 110	CV	06/16/2025	10:25	LB136157
CCV45	Mercury	4.75	5.0	95	90 - 110	CV	06/16/2025	10:40	LB136157

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Client: ENTACT **SDG No.:** Q2301
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** Q2301 **SAS No.:** Q2301
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	3820	4000	96	90 - 110	P	06/16/2025	14:03	lb136164
	Barium	7830	8000	98	90 - 110	P	06/16/2025	14:03	lb136164
	Cadmium	1950	2000	98	90 - 110	P	06/16/2025	14:03	lb136164
	Chromium	812	800	102	90 - 110	P	06/16/2025	14:03	lb136164
	Copper	1030	1000	103	90 - 110	P	06/16/2025	14:03	lb136164
	Lead	3820	4000	96	90 - 110	P	06/16/2025	14:03	lb136164
	Nickel	1980	2000	99	90 - 110	P	06/16/2025	14:03	lb136164
	Selenium	3940	4000	99	90 - 110	P	06/16/2025	14:03	lb136164
	Silver	963	1000	96	90 - 110	P	06/16/2025	14:03	lb136164
	Zinc	1980	2000	99	90 - 110	P	06/16/2025	14:03	lb136164

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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	16.6	20.0	83	80 - 120	P	06/16/2025	14:42	lb136164
	Barium	101	100	101	80 - 120	P	06/16/2025	14:42	lb136164
	Cadmium	5.68	6.0	95	80 - 120	P	06/16/2025	14:42	lb136164
	Chromium	9.87	10.0	99	80 - 120	P	06/16/2025	14:42	lb136164
	Copper	22.6	20.0	113	80 - 120	P	06/16/2025	14:42	lb136164
	Lead	12.5	12.0	104	80 - 120	P	06/16/2025	14:42	lb136164
	Nickel	39.0	40.0	98	80 - 120	P	06/16/2025	14:42	lb136164
	Selenium	18.6	20.0	93	80 - 120	P	06/16/2025	14:42	lb136164
	Silver	10.8	10.0	108	80 - 120	P	06/16/2025	14:42	lb136164
	Zinc	41.4	40.0	104	80 - 120	P	06/16/2025	14:42	lb136164

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Client: ENTACT SDG No.: Q2301
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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	5140	5000	103	90 - 110	P	06/16/2025	15:26	lb136164
	Barium	10300	10000	103	90 - 110	P	06/16/2025	15:26	lb136164
	Cadmium	2580	2500	103	90 - 110	P	06/16/2025	15:26	lb136164
	Chromium	1050	1000	105	90 - 110	P	06/16/2025	15:26	lb136164
	Copper	1300	1250	104	90 - 110	P	06/16/2025	15:26	lb136164
	Lead	5100	5000	102	90 - 110	P	06/16/2025	15:26	lb136164
	Nickel	2580	2500	103	90 - 110	P	06/16/2025	15:26	lb136164
	Selenium	5180	5000	104	90 - 110	P	06/16/2025	15:26	lb136164
	Silver	1320	1250	106	90 - 110	P	06/16/2025	15:26	lb136164
	Zinc	2580	2500	103	90 - 110	P	06/16/2025	15:26	lb136164
CCV02	Arsenic	5040	5000	101	90 - 110	P	06/16/2025	16:29	lb136164
	Barium	10100	10000	101	90 - 110	P	06/16/2025	16:29	lb136164
	Cadmium	2520	2500	101	90 - 110	P	06/16/2025	16:29	lb136164
	Chromium	1020	1000	102	90 - 110	P	06/16/2025	16:29	lb136164
	Copper	1290	1250	103	90 - 110	P	06/16/2025	16:29	lb136164
	Lead	4990	5000	100	90 - 110	P	06/16/2025	16:29	lb136164
	Nickel	2510	2500	100	90 - 110	P	06/16/2025	16:29	lb136164
	Selenium	5090	5000	102	90 - 110	P	06/16/2025	16:29	lb136164
	Silver	1280	1250	102	90 - 110	P	06/16/2025	16:29	lb136164
	Zinc	2510	2500	100	90 - 110	P	06/16/2025	16:29	lb136164
CCV03	Arsenic	5060	5000	101	90 - 110	P	06/16/2025	17:31	lb136164
	Barium	10200	10000	102	90 - 110	P	06/16/2025	17:31	lb136164
	Cadmium	2530	2500	101	90 - 110	P	06/16/2025	17:31	lb136164
	Chromium	1010	1000	101	90 - 110	P	06/16/2025	17:31	lb136164
	Copper	1280	1250	102	90 - 110	P	06/16/2025	17:31	lb136164
	Lead	4990	5000	100	90 - 110	P	06/16/2025	17:31	lb136164
	Nickel	2510	2500	100	90 - 110	P	06/16/2025	17:31	lb136164
	Selenium	5070	5000	102	90 - 110	P	06/16/2025	17:31	lb136164
	Silver	1260	1250	101	90 - 110	P	06/16/2025	17:31	lb136164
	Zinc	2500	2500	100	90 - 110	P	06/16/2025	17:31	lb136164
CCV04	Arsenic	4970	5000	99	90 - 110	P	06/16/2025	18:29	lb136164
	Barium	10200	10000	102	90 - 110	P	06/16/2025	18:29	lb136164
	Cadmium	2500	2500	100	90 - 110	P	06/16/2025	18:29	lb136164
	Chromium	988	1000	99	90 - 110	P	06/16/2025	18:29	lb136164

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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	Copper	1290	1250	103	90 - 110	P	06/16/2025	18:29	lb136164
	Lead	4960	5000	99	90 - 110	P	06/16/2025	18:29	lb136164
	Nickel	2490	2500	100	90 - 110	P	06/16/2025	18:29	lb136164
	Selenium	5010	5000	100	90 - 110	P	06/16/2025	18:29	lb136164
	Silver	1230	1250	99	90 - 110	P	06/16/2025	18:29	lb136164
	Zinc	2520	2500	101	90 - 110	P	06/16/2025	18:29	lb136164
CCV05	Arsenic	4990	5000	100	90 - 110	P	06/16/2025	19:17	lb136164
	Barium	10400	10000	104	90 - 110	P	06/16/2025	19:17	lb136164
	Cadmium	2510	2500	100	90 - 110	P	06/16/2025	19:17	lb136164
	Chromium	989	1000	99	90 - 110	P	06/16/2025	19:17	lb136164
	Copper	1320	1250	106	90 - 110	P	06/16/2025	19:17	lb136164
	Lead	4950	5000	99	90 - 110	P	06/16/2025	19:17	lb136164
	Nickel	2500	2500	100	90 - 110	P	06/16/2025	19:17	lb136164
	Selenium	5040	5000	101	90 - 110	P	06/16/2025	19:17	lb136164
	Silver	1240	1250	99	90 - 110	P	06/16/2025	19:17	lb136164
	Zinc	2530	2500	101	90 - 110	P	06/16/2025	19:17	lb136164
CCV06	Arsenic	4950	5000	99	90 - 110	P	06/16/2025	20:04	lb136164
	Barium	10100	10000	101	90 - 110	P	06/16/2025	20:04	lb136164
	Cadmium	2500	2500	100	90 - 110	P	06/16/2025	20:04	lb136164
	Chromium	1020	1000	102	90 - 110	P	06/16/2025	20:04	lb136164
	Copper	1320	1250	106	90 - 110	P	06/16/2025	20:04	lb136164
	Lead	4940	5000	99	90 - 110	P	06/16/2025	20:04	lb136164
	Nickel	2500	2500	100	90 - 110	P	06/16/2025	20:04	lb136164
	Selenium	5010	5000	100	90 - 110	P	06/16/2025	20:04	lb136164
	Silver	1280	1250	102	90 - 110	P	06/16/2025	20:04	lb136164
	Zinc	2480	2500	99	90 - 110	P	06/16/2025	20:04	lb136164
	Arsenic	4910	5000	98	90 - 110	P	06/16/2025	20:52	lb136164
	Barium	10100	10000	101	90 - 110	P	06/16/2025	20:52	lb136164
CCV07	Cadmium	2460	2500	98	90 - 110	P	06/16/2025	20:52	lb136164
	Chromium	982	1000	98	90 - 110	P	06/16/2025	20:52	lb136164
	Copper	1310	1250	105	90 - 110	P	06/16/2025	20:52	lb136164
	Lead	4880	5000	98	90 - 110	P	06/16/2025	20:52	lb136164
	Nickel	2460	2500	98	90 - 110	P	06/16/2025	20:52	lb136164
	Selenium	4960	5000	99	90 - 110	P	06/16/2025	20:52	lb136164

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Contract: ENTA05 Lab Code: CHEM Case No.: Q2301 SAS No.: Q2301
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	Silver	1230	1250	99	90 - 110	P	06/16/2025	20:52	lb136164
	Zinc	2440	2500	98	90 - 110	P	06/16/2025	20:52	lb136164
CCV08	Arsenic	4870	5000	97	90 - 110	P	06/16/2025	21:14	lb136164
	Barium	9880	10000	99	90 - 110	P	06/16/2025	21:14	lb136164
	Cadmium	2450	2500	98	90 - 110	P	06/16/2025	21:14	lb136164
	Chromium	984	1000	98	90 - 110	P	06/16/2025	21:14	lb136164
	Copper	1290	1250	103	90 - 110	P	06/16/2025	21:14	lb136164
	Lead	4850	5000	97	90 - 110	P	06/16/2025	21:14	lb136164
	Nickel	2440	2500	98	90 - 110	P	06/16/2025	21:14	lb136164
	Selenium	4930	5000	98	90 - 110	P	06/16/2025	21:14	lb136164
	Silver	1230	1250	99	90 - 110	P	06/16/2025	21:14	lb136164
	Zinc	2440	2500	97	90 - 110	P	06/16/2025	21:14	lb136164