

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4799
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4799 **SAS No.:** P4799
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
ICV85	Mercury	4.06	4.0	102	90 - 110	CV	11/14/2024	12:38	LB133446

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Client: ENTACT **SDG No.:** P4799
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4799 **SAS No.:** P4799
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
CCV83	Mercury	4.98	5.0	100	90 - 110	CV	11/14/2024	12:45	LB133446
CCV84	Mercury	5.11	5.0	102	90 - 110	CV	11/14/2024	13:17	LB133446
CCV85	Mercury	4.86	5.0	97	90 - 110	CV	11/14/2024	13:51	LB133446
CCV86	Mercury	5.43	5.0	108	90 - 110	CV	11/14/2024	14:26	LB133446
CCV87	Mercury	5.43	5.0	109	90 - 110	CV	11/14/2024	14:53	LB133446
CCV88	Mercury	4.56	5.0	91	90 - 110	CV	11/14/2024	15:38	LB133446



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Client:	<u>ENTACT</u>	SDG No.:	<u>P4799</u>				
Contract:	<u>ENTA05</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4799</u>	SAS No.:	<u>P4799</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)				
ICV01	Arsenic	1040	1000	104	90 - 110	P	11/14/2024	13:58	LB133457
	Barium	520	520	100	90 - 110	P	11/14/2024	13:58	LB133457
	Cadmium	508	510	100	90 - 110	P	11/14/2024	13:58	LB133457
	Chromium	533	520	102	90 - 110	P	11/14/2024	13:58	LB133457
	Copper	532	510	104	90 - 110	P	11/14/2024	13:58	LB133457
	Lead	1020	1000	102	90 - 110	P	11/14/2024	13:58	LB133457
	Nickel	520	530	98	90 - 110	P	11/14/2024	13:58	LB133457
	Selenium	1040	1000	104	90 - 110	P	11/14/2024	13:58	LB133457
	Silver	255	250	102	90 - 110	P	11/14/2024	13:58	LB133457
	Zinc	1050	1000	105	90 - 110	P	11/14/2024	13:58	LB133457

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: P4799
Contract: ENTA05 Lab Code: CHEM Case No.: P4799 SAS No.: P4799
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	20.1	20.0	101	80 - 120	P	11/14/2024	14:10	LB133457
	Barium	94.7	100	95	80 - 120	P	11/14/2024	14:10	LB133457
	Cadmium	6.49	6.0	108	80 - 120	P	11/14/2024	14:10	LB133457
	Chromium	9.23	10.0	92	80 - 120	P	11/14/2024	14:10	LB133457
	Copper	20.5	20.0	103	80 - 120	P	11/14/2024	14:10	LB133457
	Lead	10.8	12.0	90	80 - 120	P	11/14/2024	14:10	LB133457
	Nickel	36.5	40.0	91	80 - 120	P	11/14/2024	14:10	LB133457
	Selenium	17.4	20.0	87	80 - 120	P	11/14/2024	14:10	LB133457
	Silver	9.68	10.0	97	80 - 120	P	11/14/2024	14:10	LB133457
	Zinc	40.3	40.0	101	80 - 120	P	11/14/2024	14:10	LB133457

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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	5030	5000	100	90 - 110	P	11/14/2024	15:22	LB133457
	Barium	10200	10000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Cadmium	2490	2500	100	90 - 110	P	11/14/2024	15:22	LB133457
	Chromium	1020	1000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Copper	1270	1250	102	90 - 110	P	11/14/2024	15:22	LB133457
	Lead	4980	5000	100	90 - 110	P	11/14/2024	15:22	LB133457
	Nickel	2500	2500	100	90 - 110	P	11/14/2024	15:22	LB133457
	Selenium	5080	5000	102	90 - 110	P	11/14/2024	15:22	LB133457
	Silver	1260	1250	101	90 - 110	P	11/14/2024	15:22	LB133457
	Zinc	2560	2500	103	90 - 110	P	11/14/2024	15:22	LB133457
CCV02	Arsenic	4660	5000	93	90 - 110	P	11/14/2024	15:35	LB133457
	Barium	9380	10000	94	90 - 110	P	11/14/2024	15:35	LB133457
	Cadmium	2340	2500	94	90 - 110	P	11/14/2024	15:35	LB133457
	Chromium	952	1000	95	90 - 110	P	11/14/2024	15:35	LB133457
	Copper	1180	1250	95	90 - 110	P	11/14/2024	15:35	LB133457
	Lead	4680	5000	94	90 - 110	P	11/14/2024	15:35	LB133457
	Nickel	2340	2500	94	90 - 110	P	11/14/2024	15:35	LB133457
	Selenium	4660	5000	93	90 - 110	P	11/14/2024	15:35	LB133457
	Silver	1180	1250	94	90 - 110	P	11/14/2024	15:35	LB133457
	Zinc	2370	2500	95	90 - 110	P	11/14/2024	15:35	LB133457
CCV03	Arsenic	5110	5000	102	90 - 110	P	11/14/2024	16:27	LB133457
	Barium	9600	10000	96	90 - 110	P	11/14/2024	16:27	LB133457
	Cadmium	2540	2500	102	90 - 110	P	11/14/2024	16:27	LB133457
	Chromium	1020	1000	102	90 - 110	P	11/14/2024	16:27	LB133457
	Copper	1300	1250	104	90 - 110	P	11/14/2024	16:27	LB133457
	Lead	5090	5000	102	90 - 110	P	11/14/2024	16:27	LB133457
	Nickel	2550	2500	102	90 - 110	P	11/14/2024	16:27	LB133457
	Selenium	5130	5000	103	90 - 110	P	11/14/2024	16:27	LB133457
	Silver	1250	1250	100	90 - 110	P	11/14/2024	16:27	LB133457
	Zinc	2540	2500	102	90 - 110	P	11/14/2024	16:27	LB133457
CCV04	Arsenic	4730	5000	94	90 - 110	P	11/14/2024	17:23	LB133457
	Barium	9470	10000	95	90 - 110	P	11/14/2024	17:23	LB133457
	Cadmium	2380	2500	95	90 - 110	P	11/14/2024	17:23	LB133457
	Chromium	962	1000	96	90 - 110	P	11/14/2024	17:23	LB133457

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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	1190	1250	95	90 - 110	P	11/14/2024	17:23	LB133457
	Lead	4770	5000	95	90 - 110	P	11/14/2024	17:23	LB133457
	Nickel	2390	2500	95	90 - 110	P	11/14/2024	17:23	LB133457
	Selenium	4710	5000	94	90 - 110	P	11/14/2024	17:23	LB133457
	Silver	1190	1250	95	90 - 110	P	11/14/2024	17:23	LB133457
	Zinc	2410	2500	96	90 - 110	P	11/14/2024	17:23	LB133457
CCV05	Arsenic	4900	5000	98	90 - 110	P	11/14/2024	18:12	LB133457
	Barium	9970	10000	100	90 - 110	P	11/14/2024	18:12	LB133457
	Cadmium	2470	2500	99	90 - 110	P	11/14/2024	18:12	LB133457
	Chromium	996	1000	100	90 - 110	P	11/14/2024	18:12	LB133457
	Copper	1240	1250	99	90 - 110	P	11/14/2024	18:12	LB133457
	Lead	4960	5000	99	90 - 110	P	11/14/2024	18:12	LB133457
	Nickel	2480	2500	99	90 - 110	P	11/14/2024	18:12	LB133457
	Selenium	4860	5000	97	90 - 110	P	11/14/2024	18:12	LB133457
	Silver	1240	1250	99	90 - 110	P	11/14/2024	18:12	LB133457
	Zinc	2500	2500	100	90 - 110	P	11/14/2024	18:12	LB133457
CCV06	Arsenic	4770	5000	95	90 - 110	P	11/14/2024	19:03	LB133457
	Barium	9920	10000	99	90 - 110	P	11/14/2024	19:03	LB133457
	Cadmium	2400	2500	96	90 - 110	P	11/14/2024	19:03	LB133457
	Chromium	971	1000	97	90 - 110	P	11/14/2024	19:03	LB133457
	Copper	1210	1250	96	90 - 110	P	11/14/2024	19:03	LB133457
	Lead	4820	5000	96	90 - 110	P	11/14/2024	19:03	LB133457
	Nickel	2410	2500	96	90 - 110	P	11/14/2024	19:03	LB133457
	Selenium	4720	5000	94	90 - 110	P	11/14/2024	19:03	LB133457
	Silver	1210	1250	97	90 - 110	P	11/14/2024	19:03	LB133457
	Zinc	2420	2500	97	90 - 110	P	11/14/2024	19:03	LB133457
	Arsenic	4840	5000	97	90 - 110	P	11/14/2024	19:55	LB133457
	Barium	9800	10000	98	90 - 110	P	11/14/2024	19:55	LB133457
CCV07	Cadmium	2420	2500	97	90 - 110	P	11/14/2024	19:55	LB133457
	Chromium	980	1000	98	90 - 110	P	11/14/2024	19:55	LB133457
	Copper	1230	1250	98	90 - 110	P	11/14/2024	19:55	LB133457
	Lead	4850	5000	97	90 - 110	P	11/14/2024	19:55	LB133457
	Nickel	2420	2500	97	90 - 110	P	11/14/2024	19:55	LB133457
	Selenium	4850	5000	97	90 - 110	P	11/14/2024	19:55	LB133457

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Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4799 **SAS No.:** P4799
Initial Calibration Source: EPA
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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1220	1250	97	90 - 110	P	11/14/2024	19:55	LB133457
	Zinc	2450	2500	98	90 - 110	P	11/14/2024	19:55	LB133457
CCV08	Arsenic	4920	5000	98	90 - 110	P	11/14/2024	20:47	LB133457
	Barium	9680	10000	97	90 - 110	P	11/14/2024	20:47	LB133457
	Cadmium	2450	2500	98	90 - 110	P	11/14/2024	20:47	LB133457
	Chromium	1000	1000	100	90 - 110	P	11/14/2024	20:47	LB133457
	Copper	1250	1250	100	90 - 110	P	11/14/2024	20:47	LB133457
	Lead	4900	5000	98	90 - 110	P	11/14/2024	20:47	LB133457
	Nickel	2450	2500	98	90 - 110	P	11/14/2024	20:47	LB133457
	Selenium	4960	5000	99	90 - 110	P	11/14/2024	20:47	LB133457
	Silver	1230	1250	99	90 - 110	P	11/14/2024	20:47	LB133457
	Zinc	2500	2500	100	90 - 110	P	11/14/2024	20:47	LB133457
CCV09	Arsenic	4790	5000	96	90 - 110	P	11/14/2024	22:04	LB133457
	Barium	9850	10000	98	90 - 110	P	11/14/2024	22:04	LB133457
	Cadmium	2420	2500	97	90 - 110	P	11/14/2024	22:04	LB133457
	Chromium	980	1000	98	90 - 110	P	11/14/2024	22:04	LB133457
	Copper	1220	1250	98	90 - 110	P	11/14/2024	22:04	LB133457
	Lead	4830	5000	97	90 - 110	P	11/14/2024	22:04	LB133457
	Nickel	2420	2500	97	90 - 110	P	11/14/2024	22:04	LB133457
	Selenium	4760	5000	95	90 - 110	P	11/14/2024	22:04	LB133457
	Silver	1210	1250	97	90 - 110	P	11/14/2024	22:04	LB133457
	Zinc	2440	2500	98	90 - 110	P	11/14/2024	22:04	LB133457
CCV10	Arsenic	4790	5000	96	90 - 110	P	11/14/2024	22:58	LB133457
	Barium	9850	10000	98	90 - 110	P	11/14/2024	22:58	LB133457
	Cadmium	2400	2500	96	90 - 110	P	11/14/2024	22:58	LB133457
	Chromium	974	1000	97	90 - 110	P	11/14/2024	22:58	LB133457
	Copper	1220	1250	98	90 - 110	P	11/14/2024	22:58	LB133457
	Lead	4800	5000	96	90 - 110	P	11/14/2024	22:58	LB133457
	Nickel	2410	2500	96	90 - 110	P	11/14/2024	22:58	LB133457
	Selenium	4740	5000	95	90 - 110	P	11/14/2024	22:58	LB133457
	Silver	1220	1250	97	90 - 110	P	11/14/2024	22:58	LB133457
	Zinc	2710	2500	109	90 - 110	P	11/14/2024	22:58	LB133457