

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P5224
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P5224 **SAS No.:** P5224
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
ICV18	Mercury	4.06	4.0	102	90 - 110	CV	12/13/2024	10:26	LB133933

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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
CCV25	Mercury	5.43	5.0	109	90 - 110	CV	12/13/2024	10:30	LB133933
CCV26	Mercury	5.35	5.0	107	90 - 110	CV	12/13/2024	11:03	LB133933
CCV27	Mercury	5.24	5.0	105	90 - 110	CV	12/13/2024	11:51	LB133933
CCV28	Mercury	4.84	5.0	97	90 - 110	CV	12/13/2024	12:14	LB133933
CCV29	Mercury	5.05	5.0	101	90 - 110	CV	12/13/2024	12:42	LB133933

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Client: ENTACT SDG No.: P5224
Contract: ENTA05 Lab Code: CHEM Case No.: P5224 SAS No.: P5224
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	2620	2500	105	90 - 110	P	12/16/2024	16:02	LB133968
	Arsenic	1030	1000	103	90 - 110	P	12/16/2024	16:02	LB133968
	Barium	520	520	100	90 - 110	P	12/16/2024	16:02	LB133968
	Cadmium	519	510	102	90 - 110	P	12/16/2024	16:02	LB133968
	Chromium	540	520	104	90 - 110	P	12/16/2024	16:02	LB133968
	Cobalt	526	520	101	90 - 110	P	12/16/2024	16:02	LB133968
	Copper	541	510	106	90 - 110	P	12/16/2024	16:02	LB133968
	Iron	10200	10000	102	90 - 110	P	12/16/2024	16:02	LB133968
	Lead	1030	1000	103	90 - 110	P	12/16/2024	16:02	LB133968
	Nickel	529	530	100	90 - 110	P	12/16/2024	16:02	LB133968
	Selenium	1060	1000	106	90 - 110	P	12/16/2024	16:02	LB133968
	Silver	255	250	102	90 - 110	P	12/16/2024	16:02	LB133968
	Zinc	1060	1000	106	90 - 110	P	12/16/2024	16:02	LB133968

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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
LLICV01	Aluminum	103	100	103	80 - 120	P	12/16/2024	16:06	LB133968
	Arsenic	19.2	20.0	96	80 - 120	P	12/16/2024	16:06	LB133968
	Barium	95.0	100	95	80 - 120	P	12/16/2024	16:06	LB133968
	Cadmium	5.53	6.0	92	80 - 120	P	12/16/2024	16:06	LB133968
	Chromium	9.70	10.0	97	80 - 120	P	12/16/2024	16:06	LB133968
	Cobalt	28.0	30.0	93	80 - 120	P	12/16/2024	16:06	LB133968
	Copper	21.6	20.0	108	80 - 120	P	12/16/2024	16:06	LB133968
	Iron	91.1	100	91	80 - 120	P	12/16/2024	16:06	LB133968
	Lead	10.6	12.0	88	80 - 120	P	12/16/2024	16:06	LB133968
	Nickel	37.5	40.0	94	80 - 120	P	12/16/2024	16:06	LB133968
	Selenium	19.7	20.0	98	80 - 120	P	12/16/2024	16:06	LB133968
	Silver	9.45	10.0	94	80 - 120	P	12/16/2024	16:06	LB133968
	Zinc	39.8	40.0	100	80 - 120	P	12/16/2024	16:06	LB133968

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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	Aluminum	9630	10000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Arsenic	4810	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Barium	9520	10000	95	90 - 110	P	12/16/2024	16:57	LB133968
	Cadmium	2460	2500	99	90 - 110	P	12/16/2024	16:57	LB133968
	Chromium	993	1000	99	90 - 110	P	12/16/2024	16:57	LB133968
	Cobalt	2440	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	16:57	LB133968
	Iron	4780	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Lead	4930	5000	99	90 - 110	P	12/16/2024	16:57	LB133968
	Nickel	2450	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
	Selenium	4810	5000	96	90 - 110	P	12/16/2024	16:57	LB133968
	Silver	1220	1250	98	90 - 110	P	12/16/2024	16:57	LB133968
	Zinc	2460	2500	98	90 - 110	P	12/16/2024	16:57	LB133968
CCV02	Aluminum	9700	10000	97	90 - 110	P	12/16/2024	17:58	LB133968
	Arsenic	4740	5000	95	90 - 110	P	12/16/2024	17:58	LB133968
	Barium	9620	10000	96	90 - 110	P	12/16/2024	17:58	LB133968
	Cadmium	2500	2500	100	90 - 110	P	12/16/2024	17:58	LB133968
	Chromium	1020	1000	102	90 - 110	P	12/16/2024	17:58	LB133968
	Cobalt	2470	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	17:58	LB133968
	Iron	4840	5000	97	90 - 110	P	12/16/2024	17:58	LB133968
	Lead	5000	5000	100	90 - 110	P	12/16/2024	17:58	LB133968
	Nickel	2480	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
	Selenium	4710	5000	94	90 - 110	P	12/16/2024	17:58	LB133968
	Silver	1240	1250	99	90 - 110	P	12/16/2024	17:58	LB133968
	Zinc	2470	2500	99	90 - 110	P	12/16/2024	17:58	LB133968
CCV03	Aluminum	9590	10000	96	90 - 110	P	12/16/2024	18:48	LB133968
	Arsenic	4700	5000	94	90 - 110	P	12/16/2024	18:48	LB133968
	Barium	9330	10000	93	90 - 110	P	12/16/2024	18:48	LB133968
	Cadmium	2480	2500	99	90 - 110	P	12/16/2024	18:48	LB133968
	Chromium	1020	1000	102	90 - 110	P	12/16/2024	18:48	LB133968
	Cobalt	2450	2500	98	90 - 110	P	12/16/2024	18:48	LB133968
	Copper	1210	1250	96	90 - 110	P	12/16/2024	18:48	LB133968
	Iron	4810	5000	96	90 - 110	P	12/16/2024	18:48	LB133968

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Continuing Calibration Source: Inorganic Ventures

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CCV06	Cadmium	2510	2500	100	90 - 110	P	12/16/2024	21:47	LB133968
	Chromium	1030	1000	103	90 - 110	P	12/16/2024	21:47	LB133968
	Cobalt	2470	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
	Copper	1220	1250	97	90 - 110	P	12/16/2024	21:47	LB133968
	Iron	4840	5000	97	90 - 110	P	12/16/2024	21:47	LB133968
	Lead	5020	5000	100	90 - 110	P	12/16/2024	21:47	LB133968
	Nickel	2480	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
	Selenium	4700	5000	94	90 - 110	P	12/16/2024	21:47	LB133968
	Silver	1250	1250	100	90 - 110	P	12/16/2024	21:47	LB133968
	Zinc	2470	2500	99	90 - 110	P	12/16/2024	21:47	LB133968
CCV07	Aluminum	9690	10000	97	90 - 110	P	12/16/2024	23:02	LB133968
	Arsenic	4700	5000	94	90 - 110	P	12/16/2024	23:02	LB133968
	Barium	9330	10000	93	90 - 110	P	12/16/2024	23:02	LB133968
	Cadmium	2560	2500	102	90 - 110	P	12/16/2024	23:02	LB133968
	Chromium	1050	1000	105	90 - 110	P	12/16/2024	23:02	LB133968
	Cobalt	2500	2500	100	90 - 110	P	12/16/2024	23:02	LB133968
	Copper	1210	1250	96	90 - 110	P	12/16/2024	23:02	LB133968
	Iron	4820	5000	96	90 - 110	P	12/16/2024	23:02	LB133968
	Lead	5100	5000	102	90 - 110	P	12/16/2024	23:02	LB133968
	Nickel	2520	2500	101	90 - 110	P	12/16/2024	23:02	LB133968
	Selenium	4640	5000	93	90 - 110	P	12/16/2024	23:02	LB133968
	Silver	1250	1250	100	90 - 110	P	12/16/2024	23:02	LB133968
	Zinc	2460	2500	99	90 - 110	P	12/16/2024	23:02	LB133968
	Aluminum	9720	10000	97	90 - 110	P	12/16/2024	23:35	LB133968
CCV08	Arsenic	4800	5000	96	90 - 110	P	12/16/2024	23:35	LB133968
	Barium	9410	10000	94	90 - 110	P	12/16/2024	23:35	LB133968
	Cadmium	2540	2500	102	90 - 110	P	12/16/2024	23:35	LB133968
	Chromium	1050	1000	105	90 - 110	P	12/16/2024	23:35	LB133968
	Cobalt	2500	2500	100	90 - 110	P	12/16/2024	23:35	LB133968
	Copper	1230	1250	99	90 - 110	P	12/16/2024	23:35	LB133968
	Iron	4830	5000	97	90 - 110	P	12/16/2024	23:35	LB133968
	Lead	5070	5000	102	90 - 110	P	12/16/2024	23:35	LB133968
	Nickel	2520	2500	101	90 - 110	P	12/16/2024	23:35	LB133968
	Selenium	4760	5000	95	90 - 110	P	12/16/2024	23:35	LB133968

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Silver	1260	1250	101	90 - 110	P	12/16/2024	23:35	LB133968
	Zinc	2490	2500	100	90 - 110	P	12/16/2024	23:35	LB133968