

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4578
Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578
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
ICV56	Mercury	3.87	4.0	97	90 - 110	CV	10/29/2024	08:15	LB133181

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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
CCV82	Mercury	5.04	5.0	101	90 - 110	CV	10/29/2024	08:20	LB133181
CCV83	Mercury	4.91	5.0	98	90 - 110	CV	10/29/2024	08:47	LB133181
CCV84	Mercury	4.59	5.0	92	90 - 110	CV	10/29/2024	09:14	LB133181
CCV85	Mercury	5.09	5.0	102	90 - 110	CV	10/29/2024	09:37	LB133181

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Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4578 **SAS No.:** P4578
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	975	1000	98	90 - 110	P	10/28/2024	12:57	LB133175
	Barium	483	520	93	90 - 110	P	10/28/2024	12:57	LB133175
	Cadmium	494	510	97	90 - 110	P	10/28/2024	12:57	LB133175
	Chromium	532	520	102	90 - 110	P	10/28/2024	12:57	LB133175
	Lead	983	1000	98	90 - 110	P	10/28/2024	12:57	LB133175
	Selenium	1010	1000	101	90 - 110	P	10/28/2024	12:57	LB133175
	Silver	273	250	109	90 - 110	P	10/28/2024	12:57	LB133175

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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	18.8	20.0	94	80 - 120	P	10/28/2024	13:04	LB133175
	Barium	94.7	100	95	80 - 120	P	10/28/2024	13:04	LB133175
	Cadmium	5.66	6.0	94	80 - 120	P	10/28/2024	13:04	LB133175
	Chromium	9.20	10.0	92	80 - 120	P	10/28/2024	13:04	LB133175
	Lead	11.0	12.0	92	80 - 120	P	10/28/2024	13:04	LB133175
	Selenium	18.6	20.0	93	80 - 120	P	10/28/2024	13:04	LB133175
	Silver	11.3	10.0	113	80 - 120	P	10/28/2024	13:04	LB133175

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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	4870	5000	97	90 - 110	P	10/28/2024	13:35	LB133175
	Barium	9340	10000	93	90 - 110	P	10/28/2024	13:35	LB133175
	Cadmium	2430	2500	97	90 - 110	P	10/28/2024	13:35	LB133175
	Chromium	969	1000	97	90 - 110	P	10/28/2024	13:35	LB133175
	Lead	4840	5000	97	90 - 110	P	10/28/2024	13:35	LB133175
	Selenium	4920	5000	98	90 - 110	P	10/28/2024	13:35	LB133175
	Silver	1260	1250	101	90 - 110	P	10/28/2024	13:35	LB133175
CCV02	Arsenic	4910	5000	98	90 - 110	P	10/28/2024	14:25	LB133175
	Barium	9410	10000	94	90 - 110	P	10/28/2024	14:25	LB133175
	Cadmium	2440	2500	98	90 - 110	P	10/28/2024	14:25	LB133175
	Chromium	959	1000	96	90 - 110	P	10/28/2024	14:25	LB133175
	Lead	4860	5000	97	90 - 110	P	10/28/2024	14:25	LB133175
	Selenium	4970	5000	100	90 - 110	P	10/28/2024	14:25	LB133175
	Silver	1240	1250	99	90 - 110	P	10/28/2024	14:25	LB133175
CCV03	Arsenic	5060	5000	101	90 - 110	P	10/28/2024	15:15	LB133175
	Barium	9730	10000	97	90 - 110	P	10/28/2024	15:15	LB133175
	Cadmium	2470	2500	99	90 - 110	P	10/28/2024	15:15	LB133175
	Chromium	980	1000	98	90 - 110	P	10/28/2024	15:15	LB133175
	Lead	4940	5000	99	90 - 110	P	10/28/2024	15:15	LB133175
	Selenium	5150	5000	103	90 - 110	P	10/28/2024	15:15	LB133175
	Silver	1270	1250	102	90 - 110	P	10/28/2024	15:15	LB133175
CCV04	Arsenic	5020	5000	100	90 - 110	P	10/28/2024	16:06	LB133175
	Barium	9800	10000	98	90 - 110	P	10/28/2024	16:06	LB133175
	Cadmium	2440	2500	98	90 - 110	P	10/28/2024	16:06	LB133175
	Chromium	974	1000	97	90 - 110	P	10/28/2024	16:06	LB133175
	Lead	4870	5000	97	90 - 110	P	10/28/2024	16:06	LB133175
	Selenium	5100	5000	102	90 - 110	P	10/28/2024	16:06	LB133175
	Silver	1260	1250	101	90 - 110	P	10/28/2024	16:06	LB133175
CCV05	Arsenic	5210	5000	104	90 - 110	P	10/28/2024	16:57	LB133175
	Barium	9800	10000	98	90 - 110	P	10/28/2024	16:57	LB133175
	Cadmium	2490	2500	100	90 - 110	P	10/28/2024	16:57	LB133175
	Chromium	965	1000	96	90 - 110	P	10/28/2024	16:57	LB133175
	Lead	4990	5000	100	90 - 110	P	10/28/2024	16:57	LB133175
	Selenium	5400	5000	108	90 - 110	P	10/28/2024	16:57	LB133175

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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
CCV05	Silver	1280	1250	102	90 - 110	P	10/28/2024	16:57	LB133175
CCV06	Arsenic	5080	5000	102	90 - 110	P	10/28/2024	17:50	LB133175
	Barium	9780	10000	98	90 - 110	P	10/28/2024	17:50	LB133175
	Cadmium	2490	2500	100	90 - 110	P	10/28/2024	17:50	LB133175
	Chromium	973	1000	97	90 - 110	P	10/28/2024	17:50	LB133175
	Lead	4970	5000	99	90 - 110	P	10/28/2024	17:50	LB133175
	Selenium	5210	5000	104	90 - 110	P	10/28/2024	17:50	LB133175
	Silver	1270	1250	102	90 - 110	P	10/28/2024	17:50	LB133175
CCV07	Arsenic	5110	5000	102	90 - 110	P	10/28/2024	18:43	LB133175
	Barium	9750	10000	98	90 - 110	P	10/28/2024	18:43	LB133175
	Cadmium	2480	2500	99	90 - 110	P	10/28/2024	18:43	LB133175
	Chromium	966	1000	97	90 - 110	P	10/28/2024	18:43	LB133175
	Lead	4970	5000	99	90 - 110	P	10/28/2024	18:43	LB133175
	Selenium	5270	5000	106	90 - 110	P	10/28/2024	18:43	LB133175
	Silver	1260	1250	101	90 - 110	P	10/28/2024	18:43	LB133175
CCV08	Arsenic	5290	5000	106	90 - 110	P	10/28/2024	19:33	LB133175
	Barium	10000	10000	100	90 - 110	P	10/28/2024	19:33	LB133175
	Cadmium	2570	2500	103	90 - 110	P	10/28/2024	19:33	LB133175
	Chromium	989	1000	99	90 - 110	P	10/28/2024	19:33	LB133175
	Lead	5130	5000	103	90 - 110	P	10/28/2024	19:33	LB133175
	Selenium	5470	5000	110	90 - 110	P	10/28/2024	19:33	LB133175
	Silver	1310	1250	105	90 - 110	P	10/28/2024	19:33	LB133175
CCV09	Arsenic	5200	5000	104	90 - 110	P	10/28/2024	20:22	LB133175
	Barium	9830	10000	98	90 - 110	P	10/28/2024	20:22	LB133175
	Cadmium	2530	2500	101	90 - 110	P	10/28/2024	20:22	LB133175
	Chromium	975	1000	98	90 - 110	P	10/28/2024	20:22	LB133175
	Lead	5040	5000	101	90 - 110	P	10/28/2024	20:22	LB133175
	Selenium	5360	5000	107	90 - 110	P	10/28/2024	20:22	LB133175
	Silver	1290	1250	103	90 - 110	P	10/28/2024	20:22	LB133175
CCV10	Arsenic	5180	5000	104	90 - 110	P	10/28/2024	21:21	LB133175
	Barium	9840	10000	98	90 - 110	P	10/28/2024	21:21	LB133175
	Cadmium	2500	2500	100	90 - 110	P	10/28/2024	21:21	LB133175
	Chromium	967	1000	97	90 - 110	P	10/28/2024	21:21	LB133175
	Lead	4980	5000	100	90 - 110	P	10/28/2024	21:21	LB133175

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CCV10	Selenium	5330	5000	107	90 - 110	P	10/28/2024	21:21	LB133175
	Silver	1270	1250	102	90 - 110	P	10/28/2024	21:21	LB133175
CCV11	Arsenic	5220	5000	104	90 - 110	P	10/28/2024	21:38	LB133175
	Barium	10100	10000	101	90 - 110	P	10/28/2024	21:38	LB133175
	Cadmium	2480	2500	99	90 - 110	P	10/28/2024	21:38	LB133175
	Chromium	970	1000	97	90 - 110	P	10/28/2024	21:38	LB133175
	Lead	4970	5000	99	90 - 110	P	10/28/2024	21:38	LB133175
	Selenium	5380	5000	108	90 - 110	P	10/28/2024	21:38	LB133175
	Silver	1290	1250	103	90 - 110	P	10/28/2024	21:38	LB133175