

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, Inc

SDG No.: Q3349

Contract: CORE02

Lab Code: ACE

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
ICV75	Mercury	3.69	4.0	92	90 - 110	CV	10/16/2025	14:35	LB137565

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV40	Mercury	4.54	5.0	91	90 - 110	CV	10/16/2025	14:40	LB137565
CCV41	Mercury	4.57	5.0	91	90 - 110	CV	10/16/2025	15:14	LB137565
CCV42	Mercury	4.69	5.0	94	90 - 110	CV	10/16/2025	15:44	LB137565
CCV43	Mercury	4.74	5.0	95	90 - 110	CV	10/16/2025	16:17	LB137565
CCV44	Mercury	4.63	5.0	93	90 - 110	CV	10/16/2025	16:38	LB137565

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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
ICV01	Arsenic	3920	4000	98	90 - 110	P	10/16/2025	11:34	LB137573
	Barium	7880	8000	98	90 - 110	P	10/16/2025	11:34	LB137573
	Cadmium	1930	2000	97	90 - 110	P	10/16/2025	11:34	LB137573
	Chromium	797	800	100	90 - 110	P	10/16/2025	11:34	LB137573
	Lead	3800	4000	95	90 - 110	P	10/16/2025	11:34	LB137573
	Selenium	3910	4000	98	90 - 110	P	10/16/2025	11:34	LB137573
	Silver	965	1000	96	90 - 110	P	10/16/2025	11:34	LB137573

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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	20.2	20.0	101	80 - 120	P	10/16/2025	11:58	LB137573
	Barium	92.6	100	93	80 - 120	P	10/16/2025	11:58	LB137573
	Cadmium	5.80	6.0	97	80 - 120	P	10/16/2025	11:58	LB137573
	Chromium	10.3	10.0	103	80 - 120	P	10/16/2025	11:58	LB137573
	Lead	10.6	12.0	89	80 - 120	P	10/16/2025	11:58	LB137573
	Selenium	21.3	20.0	107	80 - 120	P	10/16/2025	11:58	LB137573
	Silver	10.4	10.0	104	80 - 120	P	10/16/2025	11:58	LB137573

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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	5080	5000	102	90 - 110	P	10/16/2025	12:38	LB137573
	Barium	9890	10000	99	90 - 110	P	10/16/2025	12:38	LB137573
	Cadmium	2510	2500	100	90 - 110	P	10/16/2025	12:38	LB137573
	Chromium	1010	1000	101	90 - 110	P	10/16/2025	12:38	LB137573
	Lead	4970	5000	100	90 - 110	P	10/16/2025	12:38	LB137573
	Selenium	5110	5000	102	90 - 110	P	10/16/2025	12:38	LB137573
	Silver	1250	1250	100	90 - 110	P	10/16/2025	12:38	LB137573
CCV02	Arsenic	4920	5000	98	90 - 110	P	10/16/2025	13:45	LB137573
	Barium	9950	10000	100	90 - 110	P	10/16/2025	13:45	LB137573
	Cadmium	2390	2500	96	90 - 110	P	10/16/2025	13:45	LB137573
	Chromium	958	1000	96	90 - 110	P	10/16/2025	13:45	LB137573
	Lead	4800	5000	96	90 - 110	P	10/16/2025	13:45	LB137573
	Selenium	4940	5000	99	90 - 110	P	10/16/2025	13:45	LB137573
	Silver	1220	1250	98	90 - 110	P	10/16/2025	13:45	LB137573
CCV03	Arsenic	4840	5000	97	90 - 110	P	10/16/2025	14:45	LB137573
	Barium	9620	10000	96	90 - 110	P	10/16/2025	14:45	LB137573
	Cadmium	2360	2500	95	90 - 110	P	10/16/2025	14:45	LB137573
	Chromium	959	1000	96	90 - 110	P	10/16/2025	14:45	LB137573
	Lead	4740	5000	95	90 - 110	P	10/16/2025	14:45	LB137573
	Selenium	4870	5000	97	90 - 110	P	10/16/2025	14:45	LB137573
	Silver	1210	1250	97	90 - 110	P	10/16/2025	14:45	LB137573
CCV04	Arsenic	4880	5000	98	90 - 110	P	10/16/2025	15:38	LB137573
	Barium	9380	10000	94	90 - 110	P	10/16/2025	15:38	LB137573
	Cadmium	2370	2500	95	90 - 110	P	10/16/2025	15:38	LB137573
	Chromium	975	1000	98	90 - 110	P	10/16/2025	15:38	LB137573
	Lead	4760	5000	95	90 - 110	P	10/16/2025	15:38	LB137573
	Selenium	4970	5000	99	90 - 110	P	10/16/2025	15:38	LB137573
	Silver	1220	1250	98	90 - 110	P	10/16/2025	15:38	LB137573
CCV05	Arsenic	5080	5000	102	90 - 110	P	10/16/2025	16:31	LB137573
	Barium	9930	10000	99	90 - 110	P	10/16/2025	16:31	LB137573
	Cadmium	2400	2500	96	90 - 110	P	10/16/2025	16:31	LB137573
	Chromium	964	1000	96	90 - 110	P	10/16/2025	16:31	LB137573
	Lead	4880	5000	98	90 - 110	P	10/16/2025	16:31	LB137573
	Selenium	5210	5000	104	90 - 110	P	10/16/2025	16:31	LB137573

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Contract: CORE02

Lab Code: ACE

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	1260	1250	101	90 - 110	P	10/16/2025	16:31	LB137573
CCV06	Arsenic	4810	5000	96	90 - 110	P	10/16/2025	17:49	LB137573
	Barium	9330	10000	93	90 - 110	P	10/16/2025	17:49	LB137573
	Cadmium	2300	2500	92	90 - 110	P	10/16/2025	17:49	LB137573
	Chromium	932	1000	93	90 - 110	P	10/16/2025	17:49	LB137573
	Lead	4650	5000	93	90 - 110	P	10/16/2025	17:49	LB137573
	Selenium	4920	5000	98	90 - 110	P	10/16/2025	17:49	LB137573
	Silver	1200	1250	96	90 - 110	P	10/16/2025	17:49	LB137573
CCV07	Arsenic	4900	5000	98	90 - 110	P	10/16/2025	18:42	LB137573
	Barium	9660	10000	97	90 - 110	P	10/16/2025	18:42	LB137573
	Cadmium	2350	2500	94	90 - 110	P	10/16/2025	18:42	LB137573
	Chromium	956	1000	96	90 - 110	P	10/16/2025	18:42	LB137573
	Lead	4760	5000	95	90 - 110	P	10/16/2025	18:42	LB137573
	Selenium	4950	5000	99	90 - 110	P	10/16/2025	18:42	LB137573
	Silver	1220	1250	98	90 - 110	P	10/16/2025	18:42	LB137573
CCV08	Arsenic	4970	5000	99	90 - 110	P	10/16/2025	19:33	LB137573
	Barium	9350	10000	94	90 - 110	P	10/16/2025	19:33	LB137573
	Cadmium	2370	2500	95	90 - 110	P	10/16/2025	19:33	LB137573
	Chromium	971	1000	97	90 - 110	P	10/16/2025	19:33	LB137573
	Lead	4800	5000	96	90 - 110	P	10/16/2025	19:33	LB137573
	Selenium	5120	5000	102	90 - 110	P	10/16/2025	19:33	LB137573
	Silver	1230	1250	99	90 - 110	P	10/16/2025	19:33	LB137573

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Lab Code: ACE

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	3840	4000	96	90 - 110	P	10/17/2025	12:33	LB137588
	Barium	7840	8000	98	90 - 110	P	10/17/2025	12:33	LB137588
	Cadmium	1940	2000	97	90 - 110	P	10/17/2025	12:33	LB137588
	Chromium	793	800	99	90 - 110	P	10/17/2025	12:33	LB137588
	Lead	4090	4000	102	90 - 110	P	10/17/2025	12:33	LB137588
	Selenium	3810	4000	95	90 - 110	P	10/17/2025	12:33	LB137588
	Silver	972	1000	97	90 - 110	P	10/17/2025	12:33	LB137588

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Lab Code: ACE

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	4820	5000	96	90 - 110	P	10/17/2025	13:23	LB137588
	Barium	9820	10000	98	90 - 110	P	10/17/2025	13:23	LB137588
	Cadmium	2440	2500	98	90 - 110	P	10/17/2025	13:23	LB137588
	Chromium	984	1000	98	90 - 110	P	10/17/2025	13:23	LB137588
	Lead	4820	5000	96	90 - 110	P	10/17/2025	13:23	LB137588
	Selenium	4770	5000	96	90 - 110	P	10/17/2025	13:23	LB137588
	Silver	1210	1250	97	90 - 110	P	10/17/2025	13:23	LB137588
CCV02	Arsenic	5200	5000	104	90 - 110	P	10/17/2025	14:21	LB137588
	Barium	10500	10000	105	90 - 110	P	10/17/2025	14:21	LB137588
	Cadmium	2540	2500	102	90 - 110	P	10/17/2025	14:21	LB137588
	Chromium	1020	1000	102	90 - 110	P	10/17/2025	14:21	LB137588
	Lead	5100	5000	102	90 - 110	P	10/17/2025	14:21	LB137588
	Selenium	5250	5000	105	90 - 110	P	10/17/2025	14:21	LB137588
	Silver	1280	1250	102	90 - 110	P	10/17/2025	14:21	LB137588

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	23.0	20.0	115	80 - 120	P	10/17/2025	14:26	LB137588
	Barium	97.7	100	98	80 - 120	P	10/17/2025	14:26	LB137588
	Cadmium	5.70	6.0	95	80 - 120	P	10/17/2025	14:26	LB137588
	Chromium	10.2	10.0	102	80 - 120	P	10/17/2025	14:26	LB137588
	Lead	13.2	12.0	110	80 - 120	P	10/17/2025	14:26	LB137588
	Selenium	23.5	20.0	117	80 - 120	P	10/17/2025	14:26	LB137588
	Silver	9.89	10.0	99	80 - 120	P	10/17/2025	14:26	LB137588

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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
CCV03	Arsenic	5020	5000	100	90 - 110	P	10/17/2025	15:17	LB137588
	Barium	9950	10000	100	90 - 110	P	10/17/2025	15:17	LB137588
	Cadmium	2490	2500	99	90 - 110	P	10/17/2025	15:17	LB137588
	Chromium	989	1000	99	90 - 110	P	10/17/2025	15:17	LB137588
	Lead	4950	5000	99	90 - 110	P	10/17/2025	15:17	LB137588
	Selenium	5060	5000	101	90 - 110	P	10/17/2025	15:17	LB137588
	Silver	1220	1250	98	90 - 110	P	10/17/2025	15:17	LB137588
CCV04	Arsenic	5180	5000	104	90 - 110	P	10/17/2025	16:07	LB137588
	Barium	10200	10000	102	90 - 110	P	10/17/2025	16:07	LB137588
	Cadmium	2550	2500	102	90 - 110	P	10/17/2025	16:07	LB137588
	Chromium	1040	1000	104	90 - 110	P	10/17/2025	16:07	LB137588
	Lead	5080	5000	102	90 - 110	P	10/17/2025	16:07	LB137588
	Selenium	5200	5000	104	90 - 110	P	10/17/2025	16:07	LB137588
	Silver	1290	1250	103	90 - 110	P	10/17/2025	16:07	LB137588
CCV05	Arsenic	5170	5000	103	90 - 110	P	10/17/2025	16:59	LB137588
	Barium	10200	10000	102	90 - 110	P	10/17/2025	16:59	LB137588
	Cadmium	2540	2500	102	90 - 110	P	10/17/2025	16:59	LB137588
	Chromium	1020	1000	102	90 - 110	P	10/17/2025	16:59	LB137588
	Lead	5070	5000	102	90 - 110	P	10/17/2025	16:59	LB137588
	Selenium	5240	5000	105	90 - 110	P	10/17/2025	16:59	LB137588
	Silver	1290	1250	103	90 - 110	P	10/17/2025	16:59	LB137588
CCV06	Arsenic	5020	5000	100	90 - 110	P	10/17/2025	17:41	LB137588
	Barium	9740	10000	97	90 - 110	P	10/17/2025	17:41	LB137588
	Cadmium	2490	2500	100	90 - 110	P	10/17/2025	17:41	LB137588
	Chromium	1010	1000	101	90 - 110	P	10/17/2025	17:41	LB137588
	Lead	4940	5000	99	90 - 110	P	10/17/2025	17:41	LB137588
	Selenium	5030	5000	101	90 - 110	P	10/17/2025	17:41	LB137588
	Silver	1230	1250	99	90 - 110	P	10/17/2025	17:41	LB137588

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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	3970	4000	99	90 - 110	P	10/20/2025	12:32	LB137590
	Barium	7750	8000	97	90 - 110	P	10/20/2025	12:32	LB137590
	Cadmium	1960	2000	98	90 - 110	P	10/20/2025	12:32	LB137590
	Chromium	820	800	102	90 - 110	P	10/20/2025	12:32	LB137590
	Lead	3870	4000	97	90 - 110	P	10/20/2025	12:32	LB137590
	Selenium	4040	4000	101	90 - 110	P	10/20/2025	12:32	LB137590
	Silver	1010	1000	101	90 - 110	P	10/20/2025	12:32	LB137590

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	20.4	20.0	102	80 - 120	P	10/20/2025	12:41	LB137590
	Barium	102	100	102	80 - 120	P	10/20/2025	12:41	LB137590
	Cadmium	5.93	6.0	99	80 - 120	P	10/20/2025	12:41	LB137590
	Chromium	10.6	10.0	106	80 - 120	P	10/20/2025	12:41	LB137590
	Lead	11.8	12.0	98	80 - 120	P	10/20/2025	12:41	LB137590
	Selenium	23.8	20.0	119	80 - 120	P	10/20/2025	12:41	LB137590
	Silver	10.4	10.0	104	80 - 120	P	10/20/2025	12:41	LB137590

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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	5020	5000	100	90 - 110	P	10/20/2025	13:15	LB137590
	Barium	9680	10000	97	90 - 110	P	10/20/2025	13:15	LB137590
	Cadmium	2480	2500	99	90 - 110	P	10/20/2025	13:15	LB137590
	Chromium	1020	1000	102	90 - 110	P	10/20/2025	13:15	LB137590
	Lead	4930	5000	99	90 - 110	P	10/20/2025	13:15	LB137590
	Selenium	5080	5000	102	90 - 110	P	10/20/2025	13:15	LB137590
	Silver	1260	1250	101	90 - 110	P	10/20/2025	13:15	LB137590
CCV02	Arsenic	4790	5000	96	90 - 110	P	10/20/2025	14:19	LB137590
	Barium	9180	10000	92	90 - 110	P	10/20/2025	14:19	LB137590
	Cadmium	2320	2500	93	90 - 110	P	10/20/2025	14:19	LB137590
	Chromium	944	1000	94	90 - 110	P	10/20/2025	14:19	LB137590
	Lead	4640	5000	93	90 - 110	P	10/20/2025	14:19	LB137590
	Selenium	4860	5000	97	90 - 110	P	10/20/2025	14:19	LB137590
	Silver	1230	1250	98	90 - 110	P	10/20/2025	14:19	LB137590
CCV03	Arsenic	4940	5000	99	90 - 110	P	10/20/2025	15:08	LB137590
	Barium	9770	10000	98	90 - 110	P	10/20/2025	15:08	LB137590
	Cadmium	2380	2500	95	90 - 110	P	10/20/2025	15:08	LB137590
	Chromium	978	1000	98	90 - 110	P	10/20/2025	15:08	LB137590
	Lead	4770	5000	95	90 - 110	P	10/20/2025	15:08	LB137590
	Selenium	5020	5000	100	90 - 110	P	10/20/2025	15:08	LB137590
	Silver	1230	1250	98	90 - 110	P	10/20/2025	15:08	LB137590
CCV04	Arsenic	5020	5000	100	90 - 110	P	10/20/2025	16:05	LB137590
	Barium	9290	10000	93	90 - 110	P	10/20/2025	16:05	LB137590
	Cadmium	2430	2500	97	90 - 110	P	10/20/2025	16:05	LB137590
	Chromium	964	1000	96	90 - 110	P	10/20/2025	16:05	LB137590
	Lead	4840	5000	97	90 - 110	P	10/20/2025	16:05	LB137590
	Selenium	5100	5000	102	90 - 110	P	10/20/2025	16:05	LB137590
	Silver	1200	1250	96	90 - 110	P	10/20/2025	16:05	LB137590