

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2639

Contract: NOBI03

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
ICV36	Mercury	3.82	4.0	96	90 - 110	CV	07/22/2025	15:13	LB136570

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Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV34	Mercury	4.50	5.0	90	90 - 110	CV	07/22/2025	15:17	LB136570
CCV35	Mercury	4.91	5.0	98	90 - 110	CV	07/22/2025	15:54	LB136570
CCV36	Mercury	5.27	5.0	105	90 - 110	CV	07/22/2025	16:28	LB136570
CCV37	Mercury	5.14	5.0	103	90 - 110	CV	07/22/2025	16:58	LB136570
CCV38	Mercury	4.98	5.0	100	90 - 110	CV	07/22/2025	17:31	LB136570
CCV39	Mercury	4.96	5.0	99	90 - 110	CV	07/22/2025	18:15	LB136570
CCV40	Mercury	5.05	5.0	101	90 - 110	CV	07/22/2025	18:56	LB136570

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	425	400	106	90 - 110	P	07/22/2025	16:39	LB136576
	Arsenic	426	400	106	90 - 110	P	07/22/2025	16:39	LB136576
	Barium	1710	1600	107	90 - 110	P	07/22/2025	16:39	LB136576
	Beryllium	37.9	40.0	95	90 - 110	P	07/22/2025	16:39	LB136576
	Cadmium	213	200	107	90 - 110	P	07/22/2025	16:39	LB136576
	Chromium	153	160	96	90 - 110	P	07/22/2025	16:39	LB136576
	Copper	190	200	95	90 - 110	P	07/22/2025	16:39	LB136576
	Lead	392	400	98	90 - 110	P	07/22/2025	16:39	LB136576
	Nickel	437	400	109	90 - 110	P	07/22/2025	16:39	LB136576
	Selenium	434	400	108	90 - 110	P	07/22/2025	16:39	LB136576
	Silver	213	200	107	90 - 110	P	07/22/2025	16:39	LB136576
	Thallium	408	400	102	90 - 110	P	07/22/2025	16:39	LB136576
	Vanadium	375	400	94	90 - 110	P	07/22/2025	16:39	LB136576
	Zinc	388	400	97	90 - 110	P	07/22/2025	16:39	LB136576

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Antimony	2.06	2.0	103	80 - 120	P	07/22/2025	16:42	LB136576
	Arsenic	1.10	1.0	110	80 - 120	P	07/22/2025	16:42	LB136576
	Barium	9.56	10.0	96	80 - 120	P	07/22/2025	16:42	LB136576
	Beryllium	1.20	1.0	120	80 - 120	P	07/22/2025	16:42	LB136576
	Cadmium	0.99	1.0	99	80 - 120	P	07/22/2025	16:42	LB136576
	Chromium	2.02	2.0	101	80 - 120	P	07/22/2025	16:42	LB136576
	Copper	1.62	2.0	81	80 - 120	P	07/22/2025	16:42	LB136576
	Lead	0.80	1.0	80	80 - 120	P	07/22/2025	16:42	LB136576
	Nickel	1.05	1.0	105	80 - 120	P	07/22/2025	16:42	LB136576
	Selenium	5.91	5.0	118	80 - 120	P	07/22/2025	16:42	LB136576
	Silver	1.13	1.0	113	80 - 120	P	07/22/2025	16:42	LB136576
	Thallium	0.94	1.0	94	80 - 120	P	07/22/2025	16:42	LB136576
	Vanadium	4.80	5.0	96	80 - 120	P	07/22/2025	16:42	LB136576
	Zinc	5.33	5.0	107	80 - 120	P	07/22/2025	16:42	LB136576

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Antimony	513	500	103	90 - 110	P	07/22/2025	16:58	LB136576
	Arsenic	492	500	98	90 - 110	P	07/22/2025	16:58	LB136576
	Barium	2560	2500	102	90 - 110	P	07/22/2025	16:58	LB136576
	Beryllium	527	500	105	90 - 110	P	07/22/2025	16:58	LB136576
	Cadmium	516	500	103	90 - 110	P	07/22/2025	16:58	LB136576
	Chromium	518	500	104	90 - 110	P	07/22/2025	16:58	LB136576
	Copper	5490	5000	110	90 - 110	P	07/22/2025	16:58	LB136576
	Lead	2570	2500	103	90 - 110	P	07/22/2025	16:58	LB136576
	Nickel	509	500	102	90 - 110	P	07/22/2025	16:58	LB136576
	Selenium	491	500	98	90 - 110	P	07/22/2025	16:58	LB136576
	Silver	550	500	110	90 - 110	P	07/22/2025	16:58	LB136576
	Thallium	522	500	104	90 - 110	P	07/22/2025	16:58	LB136576
	Vanadium	522	500	104	90 - 110	P	07/22/2025	16:58	LB136576
	Zinc	5500	5000	110	90 - 110	P	07/22/2025	16:58	LB136576
CCV02	Antimony	503	500	101	90 - 110	P	07/22/2025	17:48	LB136576
	Arsenic	484	500	97	90 - 110	P	07/22/2025	17:48	LB136576
	Barium	2530	2500	101	90 - 110	P	07/22/2025	17:48	LB136576
	Beryllium	515	500	103	90 - 110	P	07/22/2025	17:48	LB136576
	Cadmium	492	500	98	90 - 110	P	07/22/2025	17:48	LB136576
	Chromium	527	500	105	90 - 110	P	07/22/2025	17:48	LB136576
	Copper	5430	5000	109	90 - 110	P	07/22/2025	17:48	LB136576
	Lead	2540	2500	102	90 - 110	P	07/22/2025	17:48	LB136576
	Nickel	518	500	104	90 - 110	P	07/22/2025	17:48	LB136576
	Selenium	484	500	97	90 - 110	P	07/22/2025	17:48	LB136576
	Silver	524	500	105	90 - 110	P	07/22/2025	17:48	LB136576
	Thallium	523	500	105	90 - 110	P	07/22/2025	17:48	LB136576
	Vanadium	525	500	105	90 - 110	P	07/22/2025	17:48	LB136576
	Zinc	5340	5000	107	90 - 110	P	07/22/2025	17:48	LB136576
CCV03	Antimony	549	500	110	90 - 110	P	07/22/2025	19:00	LB136576
	Arsenic	484	500	97	90 - 110	P	07/22/2025	19:00	LB136576
	Barium	2550	2500	102	90 - 110	P	07/22/2025	19:00	LB136576
	Beryllium	545	500	109	90 - 110	P	07/22/2025	19:00	LB136576
	Cadmium	499	500	100	90 - 110	P	07/22/2025	19:00	LB136576
	Chromium	525	500	105	90 - 110	P	07/22/2025	19:00	LB136576

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Copper	5350	5000	107	90 - 110	P	07/22/2025	19:00	LB136576
	Lead	2550	2500	102	90 - 110	P	07/22/2025	19:00	LB136576
	Nickel	510	500	102	90 - 110	P	07/22/2025	19:00	LB136576
	Selenium	483	500	97	90 - 110	P	07/22/2025	19:00	LB136576
	Silver	528	500	106	90 - 110	P	07/22/2025	19:00	LB136576
	Thallium	516	500	103	90 - 110	P	07/22/2025	19:00	LB136576
	Vanadium	518	500	104	90 - 110	P	07/22/2025	19:00	LB136576
	Zinc	5190	5000	104	90 - 110	P	07/22/2025	19:00	LB136576
CCV04	Antimony	545	500	109	90 - 110	P	07/22/2025	19:53	LB136576
	Arsenic	485	500	97	90 - 110	P	07/22/2025	19:53	LB136576
	Barium	2550	2500	102	90 - 110	P	07/22/2025	19:53	LB136576
	Beryllium	530	500	106	90 - 110	P	07/22/2025	19:53	LB136576
	Cadmium	494	500	99	90 - 110	P	07/22/2025	19:53	LB136576
	Chromium	521	500	104	90 - 110	P	07/22/2025	19:53	LB136576
	Copper	5370	5000	107	90 - 110	P	07/22/2025	19:53	LB136576
	Lead	2560	2500	102	90 - 110	P	07/22/2025	19:53	LB136576
	Nickel	513	500	103	90 - 110	P	07/22/2025	19:53	LB136576
	Selenium	481	500	96	90 - 110	P	07/22/2025	19:53	LB136576
	Silver	536	500	107	90 - 110	P	07/22/2025	19:53	LB136576
	Thallium	520	500	104	90 - 110	P	07/22/2025	19:53	LB136576
	Vanadium	522	500	104	90 - 110	P	07/22/2025	19:53	LB136576
	Zinc	5250	5000	105	90 - 110	P	07/22/2025	19:53	LB136576
	Antimony	518	500	104	90 - 110	P	07/22/2025	21:02	LB136576
	Arsenic	477	500	95	90 - 110	P	07/22/2025	21:02	LB136576
CCV05	Barium	2540	2500	102	90 - 110	P	07/22/2025	21:02	LB136576
	Beryllium	529	500	106	90 - 110	P	07/22/2025	21:02	LB136576
	Cadmium	487	500	97	90 - 110	P	07/22/2025	21:02	LB136576
	Chromium	519	500	104	90 - 110	P	07/22/2025	21:02	LB136576
	Copper	5210	5000	104	90 - 110	P	07/22/2025	21:02	LB136576
	Lead	2530	2500	101	90 - 110	P	07/22/2025	21:02	LB136576
	Nickel	502	500	100	90 - 110	P	07/22/2025	21:02	LB136576
	Selenium	483	500	97	90 - 110	P	07/22/2025	21:02	LB136576
	Silver	523	500	105	90 - 110	P	07/22/2025	21:02	LB136576
	Thallium	515	500	103	90 - 110	P	07/22/2025	21:02	LB136576

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Vanadium	519	500	104	90 - 110	P	07/22/2025	21:02	LB136576
	Zinc	5160	5000	103	90 - 110	P	07/22/2025	21:02	LB136576
CCV06	Antimony	526	500	105	90 - 110	P	07/22/2025	22:04	LB136576
	Arsenic	479	500	96	90 - 110	P	07/22/2025	22:04	LB136576
	Barium	2580	2500	103	90 - 110	P	07/22/2025	22:04	LB136576
	Beryllium	545	500	109	90 - 110	P	07/22/2025	22:04	LB136576
	Cadmium	499	500	100	90 - 110	P	07/22/2025	22:04	LB136576
	Chromium	520	500	104	90 - 110	P	07/22/2025	22:04	LB136576
	Copper	5220	5000	104	90 - 110	P	07/22/2025	22:04	LB136576
	Lead	2570	2500	103	90 - 110	P	07/22/2025	22:04	LB136576
	Nickel	505	500	101	90 - 110	P	07/22/2025	22:04	LB136576
	Selenium	474	500	95	90 - 110	P	07/22/2025	22:04	LB136576
	Silver	545	500	109	90 - 110	P	07/22/2025	22:04	LB136576
	Thallium	515	500	103	90 - 110	P	07/22/2025	22:04	LB136576
	Vanadium	516	500	103	90 - 110	P	07/22/2025	22:04	LB136576
	Zinc	5130	5000	103	90 - 110	P	07/22/2025	22:04	LB136576
CCV07	Antimony	521	500	104	90 - 110	P	07/22/2025	22:28	LB136576
	Arsenic	485	500	97	90 - 110	P	07/22/2025	22:28	LB136576
	Barium	2580	2500	103	90 - 110	P	07/22/2025	22:28	LB136576
	Beryllium	528	500	106	90 - 110	P	07/22/2025	22:28	LB136576
	Cadmium	499	500	100	90 - 110	P	07/22/2025	22:28	LB136576
	Chromium	517	500	104	90 - 110	P	07/22/2025	22:28	LB136576
	Copper	5240	5000	105	90 - 110	P	07/22/2025	22:28	LB136576
	Lead	2560	2500	102	90 - 110	P	07/22/2025	22:28	LB136576
	Nickel	507	500	101	90 - 110	P	07/22/2025	22:28	LB136576
	Selenium	481	500	96	90 - 110	P	07/22/2025	22:28	LB136576
	Silver	542	500	108	90 - 110	P	07/22/2025	22:28	LB136576
	Thallium	519	500	104	90 - 110	P	07/22/2025	22:28	LB136576
	Vanadium	512	500	102	90 - 110	P	07/22/2025	22:28	LB136576
	Zinc	5240	5000	105	90 - 110	P	07/22/2025	22:28	LB136576

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	419	400	105	90 - 110	P	07/24/2025	11:25	LB136601
	Arsenic	433	400	108	90 - 110	P	07/24/2025	11:25	LB136601
	Barium	1720	1600	108	90 - 110	P	07/24/2025	11:25	LB136601
	Beryllium	47.9	40.0	120	90 - 110	P	07/24/2025	11:25	LB136601
	Cadmium	219	200	110	90 - 110	P	07/24/2025	11:25	LB136601
	Chromium	152	160	95	90 - 110	P	07/24/2025	11:25	LB136601
	Copper	186	200	93	90 - 110	P	07/24/2025	11:25	LB136601
	Lead	393	400	98	90 - 110	P	07/24/2025	11:25	LB136601
	Nickel	429	400	107	90 - 110	P	07/24/2025	11:25	LB136601
	Selenium	436	400	109	90 - 110	P	07/24/2025	11:25	LB136601
	Silver	212	200	106	90 - 110	P	07/24/2025	11:25	LB136601
	Thallium	409	400	102	90 - 110	P	07/24/2025	11:25	LB136601
	Vanadium	391	400	98	90 - 110	P	07/24/2025	11:25	LB136601
	Zinc	380	400	95	90 - 110	P	07/24/2025	11:25	LB136601

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Antimony	1.85	2.0	92	80 - 120	P	07/24/2025	11:34	LB136601
	Arsenic	1.12	1.0	112	80 - 120	P	07/24/2025	11:34	LB136601
	Barium	9.01	10.0	90	80 - 120	P	07/24/2025	11:34	LB136601
	Beryllium	1.25	1.0	125	80 - 120	P	07/24/2025	11:34	LB136601
	Cadmium	1.10	1.0	110	80 - 120	P	07/24/2025	11:34	LB136601
	Chromium	1.87	2.0	94	80 - 120	P	07/24/2025	11:34	LB136601
	Copper	1.92	2.0	96	80 - 120	P	07/24/2025	11:34	LB136601
	Lead	0.88	1.0	88	80 - 120	P	07/24/2025	11:34	LB136601
	Nickel	1.11	1.0	111	80 - 120	P	07/24/2025	11:34	LB136601
	Selenium	5.50	5.0	110	80 - 120	P	07/24/2025	11:34	LB136601
	Silver	0.95	1.0	95	80 - 120	P	07/24/2025	11:34	LB136601
	Thallium	0.86	1.0	86	80 - 120	P	07/24/2025	11:34	LB136601
	Vanadium	4.61	5.0	92	80 - 120	P	07/24/2025	11:34	LB136601
	Zinc	5.02	5.0	100	80 - 120	P	07/24/2025	11:34	LB136601

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Antimony	511	500	102	90 - 110	P	07/24/2025	11:52	LB136601
	Arsenic	503	500	101	90 - 110	P	07/24/2025	11:52	LB136601
	Barium	2570	2500	103	90 - 110	P	07/24/2025	11:52	LB136601
	Beryllium	559	500	112	90 - 110	P	07/24/2025	11:52	LB136601
	Cadmium	522	500	104	90 - 110	P	07/24/2025	11:52	LB136601
	Chromium	524	500	105	90 - 110	P	07/24/2025	11:52	LB136601
	Copper	5330	5000	107	90 - 110	P	07/24/2025	11:52	LB136601
	Lead	2600	2500	104	90 - 110	P	07/24/2025	11:52	LB136601
	Nickel	498	500	100	90 - 110	P	07/24/2025	11:52	LB136601
	Selenium	493	500	99	90 - 110	P	07/24/2025	11:52	LB136601
	Silver	525	500	105	90 - 110	P	07/24/2025	11:52	LB136601
	Thallium	522	500	104	90 - 110	P	07/24/2025	11:52	LB136601
	Vanadium	528	500	106	90 - 110	P	07/24/2025	11:52	LB136601
	Zinc	5200	5000	104	90 - 110	P	07/24/2025	11:52	LB136601
CCV02	Antimony	504	500	101	90 - 110	P	07/24/2025	12:39	LB136601
	Arsenic	490	500	98	90 - 110	P	07/24/2025	12:39	LB136601
	Barium	2550	2500	102	90 - 110	P	07/24/2025	12:39	LB136601
	Beryllium	541	500	108	90 - 110	P	07/24/2025	12:39	LB136601
	Cadmium	520	500	104	90 - 110	P	07/24/2025	12:39	LB136601
	Chromium	512	500	102	90 - 110	P	07/24/2025	12:39	LB136601
	Copper	5170	5000	103	90 - 110	P	07/24/2025	12:39	LB136601
	Lead	2560	2500	102	90 - 110	P	07/24/2025	12:39	LB136601
	Nickel	483	500	97	90 - 110	P	07/24/2025	12:39	LB136601
	Selenium	480	500	96	90 - 110	P	07/24/2025	12:39	LB136601
	Silver	527	500	105	90 - 110	P	07/24/2025	12:39	LB136601
	Thallium	522	500	104	90 - 110	P	07/24/2025	12:39	LB136601
	Vanadium	513	500	103	90 - 110	P	07/24/2025	12:39	LB136601
	Zinc	5050	5000	101	90 - 110	P	07/24/2025	12:39	LB136601
CCV03	Antimony	513	500	102	90 - 110	P	07/24/2025	13:22	LB136601
	Arsenic	498	500	100	90 - 110	P	07/24/2025	13:22	LB136601
	Barium	2560	2500	102	90 - 110	P	07/24/2025	13:22	LB136601
	Beryllium	536	500	107	90 - 110	P	07/24/2025	13:22	LB136601
	Cadmium	520	500	104	90 - 110	P	07/24/2025	13:22	LB136601
	Chromium	511	500	102	90 - 110	P	07/24/2025	13:22	LB136601

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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	Copper	5150	5000	103	90 - 110	P	07/24/2025	13:22	LB136601
	Lead	2540	2500	102	90 - 110	P	07/24/2025	13:22	LB136601
	Nickel	484	500	97	90 - 110	P	07/24/2025	13:22	LB136601
	Selenium	484	500	97	90 - 110	P	07/24/2025	13:22	LB136601
	Silver	533	500	107	90 - 110	P	07/24/2025	13:22	LB136601
	Thallium	522	500	104	90 - 110	P	07/24/2025	13:22	LB136601
	Vanadium	511	500	102	90 - 110	P	07/24/2025	13:22	LB136601
	Zinc	5140	5000	103	90 - 110	P	07/24/2025	13:22	LB136601
CCV04	Antimony	504	500	101	90 - 110	P	07/24/2025	14:06	LB136601
	Arsenic	497	500	99	90 - 110	P	07/24/2025	14:06	LB136601
	Barium	2500	2500	100	90 - 110	P	07/24/2025	14:06	LB136601
	Beryllium	522	500	104	90 - 110	P	07/24/2025	14:06	LB136601
	Cadmium	483	500	96	90 - 110	P	07/24/2025	14:06	LB136601
	Chromium	508	500	102	90 - 110	P	07/24/2025	14:06	LB136601
	Copper	5200	5000	104	90 - 110	P	07/24/2025	14:06	LB136601
	Lead	2470	2500	99	90 - 110	P	07/24/2025	14:06	LB136601
	Nickel	470	500	94	90 - 110	P	07/24/2025	14:06	LB136601
	Selenium	473	500	95	90 - 110	P	07/24/2025	14:06	LB136601
	Silver	510	500	102	90 - 110	P	07/24/2025	14:06	LB136601
	Thallium	513	500	103	90 - 110	P	07/24/2025	14:06	LB136601
	Vanadium	504	500	101	90 - 110	P	07/24/2025	14:06	LB136601
	Zinc	5170	5000	104	90 - 110	P	07/24/2025	14:06	LB136601