

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group

SDG No.: Q2747

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
ICV56	Mercury	4.03	4.0	101	90 - 110	CV	08/07/2025	09:41	LB136732

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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
CCV95	Mercury	4.88	5.0	98	90 - 110	CV	08/07/2025	09:48	LB136732
CCV96	Mercury	4.98	5.0	100	90 - 110	CV	08/07/2025	10:23	LB136732
CCV97	Mercury	4.82	5.0	96	90 - 110	CV	08/07/2025	10:42	LB136732

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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
ICV01	Antimony	413	400	103	90 - 110	P	08/05/2025	12:52	LB136712
	Arsenic	402	400	100	90 - 110	P	08/05/2025	12:52	LB136712
	Barium	1560	1600	98	90 - 110	P	08/05/2025	12:52	LB136712
	Beryllium	37.5	40.0	94	90 - 110	P	08/05/2025	12:52	LB136712
	Cadmium	201	200	100	90 - 110	P	08/05/2025	12:52	LB136712
	Chromium	163	160	102	90 - 110	P	08/05/2025	12:52	LB136712
	Copper	199	200	100	90 - 110	P	08/05/2025	12:52	LB136712
	Lead	400	400	100	90 - 110	P	08/05/2025	12:52	LB136712
	Nickel	401	400	100	90 - 110	P	08/05/2025	12:52	LB136712
	Selenium	420	400	105	90 - 110	P	08/05/2025	12:52	LB136712
	Silver	203	200	101	90 - 110	P	08/05/2025	12:52	LB136712
	Thallium	376	400	94	90 - 110	P	08/05/2025	12:52	LB136712
	Vanadium	375	400	94	90 - 110	P	08/05/2025	12:52	LB136712
	Zinc	367	400	92	90 - 110	P	08/05/2025	12:52	LB136712

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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	1.89	2.0	94	80 - 120	P	08/05/2025	13:08	LB136712
	Arsenic	1.14	1.0	114	80 - 120	P	08/05/2025	13:08	LB136712
	Barium	8.96	10.0	90	80 - 120	P	08/05/2025	13:08	LB136712
	Beryllium	1.13	1.0	113	80 - 120	P	08/05/2025	13:08	LB136712
	Cadmium	0.91	1.0	91	80 - 120	P	08/05/2025	13:08	LB136712
	Chromium	1.76	2.0	88	80 - 120	P	08/05/2025	13:08	LB136712
	Copper	1.64	2.0	82	80 - 120	P	08/05/2025	13:08	LB136712
	Lead	0.90	1.0	90	80 - 120	P	08/05/2025	13:08	LB136712
	Nickel	1.11	1.0	111	80 - 120	P	08/05/2025	13:08	LB136712
	Selenium	5.25	5.0	105	80 - 120	P	08/05/2025	13:08	LB136712
	Silver	0.92	1.0	92	80 - 120	P	08/05/2025	13:08	LB136712
	Thallium	0.82	1.0	82	80 - 120	P	08/05/2025	13:08	LB136712
	Vanadium	4.62	5.0	92	80 - 120	P	08/05/2025	13:08	LB136712
	Zinc	5.08	5.0	102	80 - 120	P	08/05/2025	13:08	LB136712

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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	518	500	104	90 - 110	P	08/05/2025	14:07	LB136712
	Arsenic	495	500	99	90 - 110	P	08/05/2025	14:07	LB136712
	Barium	2580	2500	103	90 - 110	P	08/05/2025	14:07	LB136712
	Beryllium	512	500	102	90 - 110	P	08/05/2025	14:07	LB136712
	Cadmium	497	500	100	90 - 110	P	08/05/2025	14:07	LB136712
	Chromium	519	500	104	90 - 110	P	08/05/2025	14:07	LB136712
	Copper	5080	5000	102	90 - 110	P	08/05/2025	14:07	LB136712
	Lead	2600	2500	104	90 - 110	P	08/05/2025	14:07	LB136712
	Nickel	498	500	100	90 - 110	P	08/05/2025	14:07	LB136712
	Selenium	477	500	95	90 - 110	P	08/05/2025	14:07	LB136712
	Silver	506	500	101	90 - 110	P	08/05/2025	14:07	LB136712
	Thallium	527	500	105	90 - 110	P	08/05/2025	14:07	LB136712
	Vanadium	519	500	104	90 - 110	P	08/05/2025	14:07	LB136712
	Zinc	4870	5000	98	90 - 110	P	08/05/2025	14:07	LB136712
CCV02	Antimony	521	500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Arsenic	514	500	103	90 - 110	P	08/05/2025	14:46	LB136712
	Barium	2600	2500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Beryllium	510	500	102	90 - 110	P	08/05/2025	14:46	LB136712
	Cadmium	509	500	102	90 - 110	P	08/05/2025	14:46	LB136712
	Chromium	517	500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Copper	4980	5000	100	90 - 110	P	08/05/2025	14:46	LB136712
	Lead	2530	2500	101	90 - 110	P	08/05/2025	14:46	LB136712
	Nickel	500	500	100	90 - 110	P	08/05/2025	14:46	LB136712
	Selenium	508	500	102	90 - 110	P	08/05/2025	14:46	LB136712
	Silver	516	500	103	90 - 110	P	08/05/2025	14:46	LB136712
	Thallium	520	500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Vanadium	519	500	104	90 - 110	P	08/05/2025	14:46	LB136712
	Zinc	4930	5000	99	90 - 110	P	08/05/2025	14:46	LB136712
CCV03	Antimony	521	500	104	90 - 110	P	08/05/2025	15:28	LB136712
	Arsenic	488	500	98	90 - 110	P	08/05/2025	15:28	LB136712
	Barium	2570	2500	103	90 - 110	P	08/05/2025	15:28	LB136712
	Beryllium	503	500	101	90 - 110	P	08/05/2025	15:28	LB136712
	Cadmium	501	500	100	90 - 110	P	08/05/2025	15:28	LB136712
	Chromium	518	500	104	90 - 110	P	08/05/2025	15:28	LB136712

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Lab Code: ACE

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	4990	5000	100	90 - 110	P	08/05/2025	15:28	LB136712
	Lead	2590	2500	104	90 - 110	P	08/05/2025	15:28	LB136712
	Nickel	493	500	99	90 - 110	P	08/05/2025	15:28	LB136712
	Selenium	481	500	96	90 - 110	P	08/05/2025	15:28	LB136712
	Silver	511	500	102	90 - 110	P	08/05/2025	15:28	LB136712
	Thallium	527	500	106	90 - 110	P	08/05/2025	15:28	LB136712
	Vanadium	526	500	105	90 - 110	P	08/05/2025	15:28	LB136712
	Zinc	4910	5000	98	90 - 110	P	08/05/2025	15:28	LB136712
CCV04	Antimony	526	500	105	90 - 110	P	08/05/2025	16:05	LB136712
	Arsenic	497	500	100	90 - 110	P	08/05/2025	16:05	LB136712
	Barium	2590	2500	104	90 - 110	P	08/05/2025	16:05	LB136712
	Beryllium	509	500	102	90 - 110	P	08/05/2025	16:05	LB136712
	Cadmium	504	500	101	90 - 110	P	08/05/2025	16:05	LB136712
	Chromium	517	500	103	90 - 110	P	08/05/2025	16:05	LB136712
	Copper	4950	5000	99	90 - 110	P	08/05/2025	16:05	LB136712
	Lead	2560	2500	102	90 - 110	P	08/05/2025	16:05	LB136712
	Nickel	492	500	98	90 - 110	P	08/05/2025	16:05	LB136712
	Selenium	492	500	98	90 - 110	P	08/05/2025	16:05	LB136712
	Silver	514	500	103	90 - 110	P	08/05/2025	16:05	LB136712
	Thallium	524	500	105	90 - 110	P	08/05/2025	16:05	LB136712
	Vanadium	523	500	105	90 - 110	P	08/05/2025	16:05	LB136712
	Zinc	4980	5000	100	90 - 110	P	08/05/2025	16:05	LB136712
	Antimony	509	500	102	90 - 110	P	08/05/2025	16:43	LB136712
	Arsenic	498	500	100	90 - 110	P	08/05/2025	16:43	LB136712
CCV05	Barium	2510	2500	101	90 - 110	P	08/05/2025	16:43	LB136712
	Beryllium	504	500	101	90 - 110	P	08/05/2025	16:43	LB136712
	Cadmium	488	500	98	90 - 110	P	08/05/2025	16:43	LB136712
	Chromium	523	500	105	90 - 110	P	08/05/2025	16:43	LB136712
	Copper	4970	5000	100	90 - 110	P	08/05/2025	16:43	LB136712
	Lead	2570	2500	103	90 - 110	P	08/05/2025	16:43	LB136712
	Nickel	490	500	98	90 - 110	P	08/05/2025	16:43	LB136712
	Selenium	485	500	97	90 - 110	P	08/05/2025	16:43	LB136712
	Silver	492	500	98	90 - 110	P	08/05/2025	16:43	LB136712
	Thallium	520	500	104	90 - 110	P	08/05/2025	16:43	LB136712

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Lab Code: ACE

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
CCV05	Vanadium	524	500	105	90 - 110	P	08/05/2025	16:43	LB136712
	Zinc	4940	5000	99	90 - 110	P	08/05/2025	16:43	LB136712
CCV06	Antimony	506	500	101	90 - 110	P	08/05/2025	17:37	LB136712
	Arsenic	482	500	96	90 - 110	P	08/05/2025	17:37	LB136712
	Barium	2530	2500	101	90 - 110	P	08/05/2025	17:37	LB136712
	Beryllium	499	500	100	90 - 110	P	08/05/2025	17:37	LB136712
	Cadmium	487	500	97	90 - 110	P	08/05/2025	17:37	LB136712
	Chromium	526	500	105	90 - 110	P	08/05/2025	17:37	LB136712
	Copper	5030	5000	101	90 - 110	P	08/05/2025	17:37	LB136712
	Lead	2560	2500	103	90 - 110	P	08/05/2025	17:37	LB136712
	Nickel	496	500	99	90 - 110	P	08/05/2025	17:37	LB136712
	Selenium	471	500	94	90 - 110	P	08/05/2025	17:37	LB136712
	Silver	494	500	99	90 - 110	P	08/05/2025	17:37	LB136712
	Thallium	522	500	104	90 - 110	P	08/05/2025	17:37	LB136712
	Vanadium	516	500	103	90 - 110	P	08/05/2025	17:37	LB136712
	Zinc	4980	5000	100	90 - 110	P	08/05/2025	17:37	LB136712
CCV07	Antimony	514	500	103	90 - 110	P	08/05/2025	17:53	LB136712
	Arsenic	482	500	96	90 - 110	P	08/05/2025	17:53	LB136712
	Barium	2540	2500	102	90 - 110	P	08/05/2025	17:53	LB136712
	Beryllium	509	500	102	90 - 110	P	08/05/2025	17:53	LB136712
	Cadmium	495	500	99	90 - 110	P	08/05/2025	17:53	LB136712
	Chromium	520	500	104	90 - 110	P	08/05/2025	17:53	LB136712
	Copper	5000	5000	100	90 - 110	P	08/05/2025	17:53	LB136712
	Lead	2560	2500	102	90 - 110	P	08/05/2025	17:53	LB136712
	Nickel	495	500	99	90 - 110	P	08/05/2025	17:53	LB136712
	Selenium	470	500	94	90 - 110	P	08/05/2025	17:53	LB136712
	Silver	502	500	100	90 - 110	P	08/05/2025	17:53	LB136712
	Thallium	525	500	105	90 - 110	P	08/05/2025	17:53	LB136712
	Vanadium	527	500	105	90 - 110	P	08/05/2025	17:53	LB136712
	Zinc	4880	5000	98	90 - 110	P	08/05/2025	17:53	LB136712

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SDG No.: Q2747

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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
ICV01	Antimony	424	400	106	90 - 110	P	08/12/2025	10:51	LB136790
	Arsenic	405	400	101	90 - 110	P	08/12/2025	10:51	LB136790
	Barium	1680	1600	105	90 - 110	P	08/12/2025	10:51	LB136790
	Beryllium	41.0	40.0	102	90 - 110	P	08/12/2025	10:51	LB136790
	Cadmium	215	200	108	90 - 110	P	08/12/2025	10:51	LB136790
	Chromium	167	160	105	90 - 110	P	08/12/2025	10:51	LB136790
	Copper	192	200	96	90 - 110	P	08/12/2025	10:51	LB136790
	Lead	388	400	97	90 - 110	P	08/12/2025	10:51	LB136790
	Nickel	421	400	105	90 - 110	P	08/12/2025	10:51	LB136790
	Selenium	426	400	107	90 - 110	P	08/12/2025	10:51	LB136790
	Silver	216	200	108	90 - 110	P	08/12/2025	10:51	LB136790
	Thallium	394	400	98	90 - 110	P	08/12/2025	10:51	LB136790
	Vanadium	411	400	103	90 - 110	P	08/12/2025	10:51	LB136790
	Zinc	393	400	98	90 - 110	P	08/12/2025	10:51	LB136790

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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	Antimony	2.18	2.0	109	80 - 120	P	08/12/2025	10:54	LB136790
	Arsenic	0.97	1.0	97	80 - 120	P	08/12/2025	10:54	LB136790
	Barium	9.81	10.0	98	80 - 120	P	08/12/2025	10:54	LB136790
	Beryllium	1.19	1.0	119	80 - 120	P	08/12/2025	10:54	LB136790
	Cadmium	0.88	1.0	88	80 - 120	P	08/12/2025	10:54	LB136790
	Chromium	2.04	2.0	102	80 - 120	P	08/12/2025	10:54	LB136790
	Copper	1.94	2.0	97	80 - 120	P	08/12/2025	10:54	LB136790
	Lead	0.83	1.0	83	80 - 120	P	08/12/2025	10:54	LB136790
	Nickel	0.91	1.0	91	80 - 120	P	08/12/2025	10:54	LB136790
	Selenium	5.31	5.0	106	80 - 120	P	08/12/2025	10:54	LB136790
	Silver	1.16	1.0	116	80 - 120	P	08/12/2025	10:54	LB136790
	Thallium	0.99	1.0	99	80 - 120	P	08/12/2025	10:54	LB136790
	Vanadium	4.98	5.0	100	80 - 120	P	08/12/2025	10:54	LB136790
	Zinc	4.57	5.0	91	80 - 120	P	08/12/2025	10:54	LB136790

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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	523	500	104	90 - 110	P	08/12/2025	11:17	LB136790
	Arsenic	506	500	101	90 - 110	P	08/12/2025	11:17	LB136790
	Barium	2590	2500	104	90 - 110	P	08/12/2025	11:17	LB136790
	Beryllium	535	500	107	90 - 110	P	08/12/2025	11:17	LB136790
	Cadmium	509	500	102	90 - 110	P	08/12/2025	11:17	LB136790
	Chromium	520	500	104	90 - 110	P	08/12/2025	11:17	LB136790
	Copper	5070	5000	101	90 - 110	P	08/12/2025	11:17	LB136790
	Lead	2670	2500	107	90 - 110	P	08/12/2025	11:17	LB136790
	Nickel	507	500	102	90 - 110	P	08/12/2025	11:17	LB136790
	Selenium	489	500	98	90 - 110	P	08/12/2025	11:17	LB136790
	Silver	518	500	104	90 - 110	P	08/12/2025	11:17	LB136790
	Thallium	540	500	108	90 - 110	P	08/12/2025	11:17	LB136790
	Vanadium	524	500	105	90 - 110	P	08/12/2025	11:17	LB136790
	Zinc	4990	5000	100	90 - 110	P	08/12/2025	11:17	LB136790
CCV02	Antimony	497	500	99	90 - 110	P	08/12/2025	12:01	LB136790
	Arsenic	486	500	97	90 - 110	P	08/12/2025	12:01	LB136790
	Barium	2490	2500	100	90 - 110	P	08/12/2025	12:01	LB136790
	Beryllium	517	500	103	90 - 110	P	08/12/2025	12:01	LB136790
	Cadmium	485	500	97	90 - 110	P	08/12/2025	12:01	LB136790
	Chromium	499	500	100	90 - 110	P	08/12/2025	12:01	LB136790
	Copper	4860	5000	97	90 - 110	P	08/12/2025	12:01	LB136790
	Lead	2540	2500	101	90 - 110	P	08/12/2025	12:01	LB136790
	Nickel	483	500	97	90 - 110	P	08/12/2025	12:01	LB136790
	Selenium	467	500	93	90 - 110	P	08/12/2025	12:01	LB136790
	Silver	498	500	100	90 - 110	P	08/12/2025	12:01	LB136790
	Thallium	521	500	104	90 - 110	P	08/12/2025	12:01	LB136790
	Vanadium	502	500	100	90 - 110	P	08/12/2025	12:01	LB136790
	Zinc	4790	5000	96	90 - 110	P	08/12/2025	12:01	LB136790
CCV03	Antimony	497	500	100	90 - 110	P	08/12/2025	12:19	LB136790
	Arsenic	492	500	98	90 - 110	P	08/12/2025	12:19	LB136790
	Barium	2490	2500	100	90 - 110	P	08/12/2025	12:19	LB136790
	Beryllium	514	500	103	90 - 110	P	08/12/2025	12:19	LB136790
	Cadmium	479	500	96	90 - 110	P	08/12/2025	12:19	LB136790
	Chromium	504	500	101	90 - 110	P	08/12/2025	12:19	LB136790

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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	4870	5000	97	90 - 110	P	08/12/2025	12:19	LB136790
	Lead	2520	2500	101	90 - 110	P	08/12/2025	12:19	LB136790
	Nickel	489	500	98	90 - 110	P	08/12/2025	12:19	LB136790
	Selenium	465	500	93	90 - 110	P	08/12/2025	12:19	LB136790
	Silver	489	500	98	90 - 110	P	08/12/2025	12:19	LB136790
	Thallium	511	500	102	90 - 110	P	08/12/2025	12:19	LB136790
	Vanadium	517	500	103	90 - 110	P	08/12/2025	12:19	LB136790
	Zinc	4860	5000	97	90 - 110	P	08/12/2025	12:19	LB136790
CCV04	Antimony	498	500	100	90 - 110	P	08/12/2025	12:39	LB136790
	Arsenic	489	500	98	90 - 110	P	08/12/2025	12:39	LB136790
	Barium	2480	2500	99	90 - 110	P	08/12/2025	12:39	LB136790
	Beryllium	474	500	95	90 - 110	P	08/12/2025	12:39	LB136790
	Cadmium	479	500	96	90 - 110	P	08/12/2025	12:39	LB136790
	Chromium	501	500	100	90 - 110	P	08/12/2025	12:39	LB136790
	Copper	4840	5000	97	90 - 110	P	08/12/2025	12:39	LB136790
	Lead	2510	2500	100	90 - 110	P	08/12/2025	12:39	LB136790
	Nickel	482	500	96	90 - 110	P	08/12/2025	12:39	LB136790
	Selenium	476	500	95	90 - 110	P	08/12/2025	12:39	LB136790
	Silver	490	500	98	90 - 110	P	08/12/2025	12:39	LB136790
	Thallium	515	500	103	90 - 110	P	08/12/2025	12:39	LB136790
	Vanadium	499	500	100	90 - 110	P	08/12/2025	12:39	LB136790
	Zinc	4770	5000	95	90 - 110	P	08/12/2025	12:39	LB136790