

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
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
ICV13	Mercury	4.00	4.0	100	90 - 110	CV	02/21/2025	12:52	LB134771

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Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
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
CCV01	Mercury	4.73	5.0	95	90 - 110	CV	02/21/2025	12:56	LB134771
CCV02	Mercury	4.67	5.0	93	90 - 110	CV	02/21/2025	13:29	LB134771
CCV03	Mercury	4.93	5.0	98	90 - 110	CV	02/21/2025	13:57	LB134771
CCV04	Mercury	4.95	5.0	99	90 - 110	CV	02/21/2025	14:31	LB134771
CCV05	Mercury	5.42	5.0	108	90 - 110	CV	02/21/2025	15:01	LB134771
CCV06	Mercury	4.87	5.0	97	90 - 110	CV	02/21/2025	15:22	LB134771

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q1382
Contract: NOBI03 Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382
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	2500	2500	100	90 - 110	P	02/19/2025	16:50	LB134756
	Antimony	961	1000	96	90 - 110	P	02/19/2025	16:50	LB134756
	Arsenic	997	1000	100	90 - 110	P	02/19/2025	16:50	LB134756
	Barium	485	520	93	90 - 110	P	02/19/2025	16:50	LB134756
	Beryllium	503	510	98	90 - 110	P	02/19/2025	16:50	LB134756
	Cadmium	484	510	95	90 - 110	P	02/19/2025	16:50	LB134756
	Calcium	9700	10000	97	90 - 110	P	02/19/2025	16:50	LB134756
	Chromium	490	520	94	90 - 110	P	02/19/2025	16:50	LB134756
	Cobalt	525	520	101	90 - 110	P	02/19/2025	16:50	LB134756
	Copper	495	510	97	90 - 110	P	02/19/2025	16:50	LB134756
	Iron	9860	10000	99	90 - 110	P	02/19/2025	16:50	LB134756
	Lead	965	1000	96	90 - 110	P	02/19/2025	16:50	LB134756
	Magnesium	6140	6000	102	90 - 110	P	02/19/2025	16:50	LB134756
	Manganese	489	520	94	90 - 110	P	02/19/2025	16:50	LB134756
	Nickel	521	530	98	90 - 110	P	02/19/2025	16:50	LB134756
	Potassium	10100	9900	102	90 - 110	P	02/19/2025	16:50	LB134756
	Selenium	985	1000	98	90 - 110	P	02/19/2025	16:50	LB134756
	Silver	237	250	95	90 - 110	P	02/19/2025	16:50	LB134756
	Sodium	10100	10000	102	90 - 110	P	02/19/2025	16:50	LB134756
	Thallium	998	1000	100	90 - 110	P	02/19/2025	16:50	LB134756
	Vanadium	489	500	98	90 - 110	P	02/19/2025	16:50	LB134756
	Zinc	941	1000	94	90 - 110	P	02/19/2025	16:50	LB134756

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Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
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	Aluminum	94.2	100	94	80 - 120	P	02/19/2025	17:11	LB134756
	Antimony	51.7	50.0	103	80 - 120	P	02/19/2025	17:11	LB134756
	Arsenic	20.7	20.0	104	80 - 120	P	02/19/2025	17:11	LB134756
	Barium	97.4	100	97	80 - 120	P	02/19/2025	17:11	LB134756
	Beryllium	5.43	6.0	90	80 - 120	P	02/19/2025	17:11	LB134756
	Cadmium	5.94	6.0	99	80 - 120	P	02/19/2025	17:11	LB134756
	Calcium	1890	2000	94	80 - 120	P	02/19/2025	17:11	LB134756
	Chromium	9.72	10.0	97	80 - 120	P	02/19/2025	17:11	LB134756
	Cobalt	29.0	30.0	96	80 - 120	P	02/19/2025	17:11	LB134756
	Copper	21.7	20.0	109	80 - 120	P	02/19/2025	17:11	LB134756
	Iron	95.5	100	96	80 - 120	P	02/19/2025	17:11	LB134756
	Lead	11.6	12.0	97	80 - 120	P	02/19/2025	17:11	LB134756
	Magnesium	1970	2000	98	80 - 120	P	02/19/2025	17:11	LB134756
	Manganese	19.3	20.0	97	80 - 120	P	02/19/2025	17:11	LB134756
	Nickel	39.6	40.0	99	80 - 120	P	02/19/2025	17:11	LB134756
	Potassium	2040	2000	102	80 - 120	P	02/19/2025	17:11	LB134756
	Selenium	21.9	20.0	109	80 - 120	P	02/19/2025	17:11	LB134756
	Silver	9.92	10.0	99	80 - 120	P	02/19/2025	17:11	LB134756
	Sodium	2080	2000	104	80 - 120	P	02/19/2025	17:11	LB134756
	Thallium	41.2	40.0	103	80 - 120	P	02/19/2025	17:11	LB134756
	Vanadium	39.2	40.0	98	80 - 120	P	02/19/2025	17:11	LB134756
	Zinc	40.5	40.0	101	80 - 120	P	02/19/2025	17:11	LB134756

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Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382

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	9920	10000	99	90 - 110	P	02/19/2025	17:32	LB134756
	Antimony	5000	5000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Arsenic	4980	5000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Barium	10000	10000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Beryllium	235	250	94	90 - 110	P	02/19/2025	17:32	LB134756
	Cadmium	2500	2500	100	90 - 110	P	02/19/2025	17:32	LB134756
	Calcium	24800	25000	99	90 - 110	P	02/19/2025	17:32	LB134756
	Chromium	1030	1000	102	90 - 110	P	02/19/2025	17:32	LB134756
	Cobalt	2490	2500	100	90 - 110	P	02/19/2025	17:32	LB134756
	Copper	1260	1250	100	90 - 110	P	02/19/2025	17:32	LB134756
	Iron	5230	5000	105	90 - 110	P	02/19/2025	17:32	LB134756
	Lead	5000	5000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Magnesium	24400	25000	98	90 - 110	P	02/19/2025	17:32	LB134756
	Manganese	2450	2500	98	90 - 110	P	02/19/2025	17:32	LB134756
	Nickel	2500	2500	100	90 - 110	P	02/19/2025	17:32	LB134756
	Potassium	26900	25000	108	90 - 110	P	02/19/2025	17:32	LB134756
	Selenium	4980	5000	100	90 - 110	P	02/19/2025	17:32	LB134756
	Silver	1260	1250	101	90 - 110	P	02/19/2025	17:32	LB134756
	Sodium	27000	25000	108	90 - 110	P	02/19/2025	17:32	LB134756
	Thallium	5070	5000	102	90 - 110	P	02/19/2025	17:32	LB134756
	Vanadium	2470	2500	99	90 - 110	P	02/19/2025	17:32	LB134756
	Zinc	2520	2500	101	90 - 110	P	02/19/2025	17:32	LB134756
CCV02	Aluminum	9690	10000	97	90 - 110	P	02/19/2025	18:23	LB134756
	Antimony	4960	5000	99	90 - 110	P	02/19/2025	18:23	LB134756
	Arsenic	4950	5000	99	90 - 110	P	02/19/2025	18:23	LB134756
	Barium	9910	10000	99	90 - 110	P	02/19/2025	18:23	LB134756
	Beryllium	234	250	94	90 - 110	P	02/19/2025	18:23	LB134756
	Cadmium	2480	2500	99	90 - 110	P	02/19/2025	18:23	LB134756
	Calcium	24400	25000	98	90 - 110	P	02/19/2025	18:23	LB134756
	Chromium	1010	1000	101	90 - 110	P	02/19/2025	18:23	LB134756
	Cobalt	2470	2500	99	90 - 110	P	02/19/2025	18:23	LB134756
	Copper	1250	1250	100	90 - 110	P	02/19/2025	18:23	LB134756
	Iron	5190	5000	104	90 - 110	P	02/19/2025	18:23	LB134756
	Lead	4960	5000	99	90 - 110	P	02/19/2025	18:23	LB134756

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Client: Nobis Group **SDG No.:** Q1382
Contract: NOBI03 **Lab Code:** CHEM **Case No.:** Q1382 **SAS No.:** Q1382
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
CCV02	Magnesium	24000	25000	96	90 - 110	P	02/19/2025	18:23	LB134756
	Manganese	2420	2500	97	90 - 110	P	02/19/2025	18:23	LB134756
	Nickel	2480	2500	99	90 - 110	P	02/19/2025	18:23	LB134756
	Potassium	26400	25000	106	90 - 110	P	02/19/2025	18:23	LB134756
	Selenium	4970	5000	99	90 - 110	P	02/19/2025	18:23	LB134756
	Silver	1240	1250	100	90 - 110	P	02/19/2025	18:23	LB134756
	Sodium	26400	25000	106	90 - 110	P	02/19/2025	18:23	LB134756
	Thallium	5010	5000	100	90 - 110	P	02/19/2025	18:23	LB134756
	Vanadium	2440	2500	98	90 - 110	P	02/19/2025	18:23	LB134756
	Zinc	2480	2500	99	90 - 110	P	02/19/2025	18:23	LB134756
CCV03	Aluminum	9910	10000	99	90 - 110	P	02/19/2025	19:08	LB134756
	Antimony	5010	5000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Arsenic	5000	5000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Barium	10100	10000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Beryllium	240	250	96	90 - 110	P	02/19/2025	19:08	LB134756
	Cadmium	2510	2500	100	90 - 110	P	02/19/2025	19:08	LB134756
	Calcium	24900	25000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Chromium	1020	1000	102	90 - 110	P	02/19/2025	19:08	LB134756
	Cobalt	2510	2500	100	90 - 110	P	02/19/2025	19:08	LB134756
	Copper	1260	1250	101	90 - 110	P	02/19/2025	19:08	LB134756
	Iron	5170	5000	104	90 - 110	P	02/19/2025	19:08	LB134756
	Lead	5030	5000	101	90 - 110	P	02/19/2025	19:08	LB134756
	Magnesium	24500	25000	98	90 - 110	P	02/19/2025	19:08	LB134756
	Manganese	2480	2500	99	90 - 110	P	02/19/2025	19:08	LB134756
	Nickel	2520	2500	101	90 - 110	P	02/19/2025	19:08	LB134756
	Potassium	26200	25000	105	90 - 110	P	02/19/2025	19:08	LB134756
	Selenium	5010	5000	100	90 - 110	P	02/19/2025	19:08	LB134756
	Silver	1260	1250	100	90 - 110	P	02/19/2025	19:08	LB134756
	Sodium	26100	25000	104	90 - 110	P	02/19/2025	19:08	LB134756
	Thallium	5080	5000	102	90 - 110	P	02/19/2025	19:08	LB134756
	Vanadium	2490	2500	100	90 - 110	P	02/19/2025	19:08	LB134756
	Zinc	2500	2500	100	90 - 110	P	02/19/2025	19:08	LB134756
CCV04	Aluminum	9690	10000	97	90 - 110	P	02/19/2025	19:30	LB134756
	Antimony	5000	5000	100	90 - 110	P	02/19/2025	19:30	LB134756

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group SDG No.: Q1382
Contract: NOBI03 Lab Code: CHEM Case No.: Q1382 SAS No.: Q1382
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
CCV04	Arsenic	4940	5000	99	90 - 110	P	02/19/2025	19:30	LB134756
	Barium	9730	10000	97	90 - 110	P	02/19/2025	19:30	LB134756
	Beryllium	252	250	101	90 - 110	P	02/19/2025	19:30	LB134756
	Cadmium	2450	2500	98	90 - 110	P	02/19/2025	19:30	LB134756
	Calcium	23900	25000	96	90 - 110	P	02/19/2025	19:30	LB134756
	Chromium	992	1000	99	90 - 110	P	02/19/2025	19:30	LB134756
	Cobalt	2460	2500	98	90 - 110	P	02/19/2025	19:30	LB134756
	Copper	1250	1250	100	90 - 110	P	02/19/2025	19:30	LB134756
	Iron	4760	5000	95	90 - 110	P	02/19/2025	19:30	LB134756
	Lead	4910	5000	98	90 - 110	P	02/19/2025	19:30	LB134756
	Magnesium	23600	25000	94	90 - 110	P	02/19/2025	19:30	LB134756
	Manganese	2410	2500	96	90 - 110	P	02/19/2025	19:30	LB134756
	Nickel	2460	2500	98	90 - 110	P	02/19/2025	19:30	LB134756
	Potassium	23300	25000	93	90 - 110	P	02/19/2025	19:30	LB134756
	Selenium	4980	5000	100	90 - 110	P	02/19/2025	19:30	LB134756
	Silver	1240	1250	99	90 - 110	P	02/19/2025	19:30	LB134756
	Sodium	23300	25000	93	90 - 110	P	02/19/2025	19:30	LB134756
	Thallium	5040	5000	101	90 - 110	P	02/19/2025	19:30	LB134756
	Vanadium	2440	2500	98	90 - 110	P	02/19/2025	19:30	LB134756
	Zinc	2470	2500	99	90 - 110	P	02/19/2025	19:30	LB134756