284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2638

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
ICV34	Mercury	3.76	4.0	94	90 - 110	CV	07/21/2025	11:44	LB136551

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2638

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
CCV28	Mercury	4.91	5.0	98	90 - 110	CV	07/21/2025	11:49	LB136551
CCV29	Mercury	5.02	5.0	100	90 - 110	CV	07/21/2025	12:28	LB136551
CCV30	Mercury	5.18	5.0	104	90 - 110	CV	07/21/2025	12:56	LB136551
CCV31	Mercury	5.11	5.0	102	90 - 110	CV	07/21/2025	13:09	LB136551

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2638

Contract: NOBI03 **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	Aluminum	7970	8000	100	90 - 110	P	07/21/2025	12:33	LB136562
	Antimony	4210	4000	105	90 - 110	P	07/21/2025	12:33	LB136562
	Arsenic	3850	4000	96	90 - 110	P	07/21/2025	12:33	LB136562
	Barium	8000	8000	100	90 - 110	P	07/21/2025	12:33	LB136562
	Beryllium	198	200	99	90 - 110	P	07/21/2025	12:33	LB136562
	Cadmium	1890	2000	95	90 - 110	P	07/21/2025	12:33	LB136562
	Calcium	20000	20000	100	90 - 110	P	07/21/2025	12:33	LB136562
	Chromium	788	800	98	90 - 110	P	07/21/2025	12:33	LB136562
	Cobalt	1980	2000	99	90 - 110	P	07/21/2025	12:33	LB136562
	Copper	1010	1000	101	90 - 110	P	07/21/2025	12:33	LB136562
	Iron	4070	4000	102	90 - 110	P	07/21/2025	12:33	LB136562
	Lead	3890	4000	97	90 - 110	P	07/21/2025	12:33	LB136562
	Magnesium	19900	20000	99	90 - 110	P	07/21/2025	12:33	LB136562
	Manganese	2000	2000	100	90 - 110	P	07/21/2025	12:33	LB136562
	Nickel	1980	2000	99	90 - 110	P	07/21/2025	12:33	LB136562
	Potassium	19800	20000	99	90 - 110	P	07/21/2025	12:33	LB136562
	Selenium	3940	4000	98	90 - 110	P	07/21/2025	12:33	LB136562
	Silver	1090	1000	109	90 - 110	P	07/21/2025	12:33	LB136562
	Sodium	19400	20000	97	90 - 110	P	07/21/2025	12:33	LB136562
	Thallium	3810	4000	95	90 - 110	P	07/21/2025	12:33	LB136562
	Vanadium	2020	2000	101	90 - 110	P	07/21/2025	12:33	LB136562
	Zinc	2000	2000	100	90 - 110	P	07/21/2025	12:33	LB136562

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- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2638

Contract: NOBI03 **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
LLICV01	Aluminum	108	100	108	80 - 120	P	07/21/2025	12:55	LB136562
	Antimony	57.5	50.0	115	80 - 120	P	07/21/2025	12:55	LB136562
	Arsenic	22.9	20.0	115	80 - 120	P	07/21/2025	12:55	LB136562
	Barium	106	100	106	80 - 120	P	07/21/2025	12:55	LB136562
	Beryllium	6.25	6.0	104	80 - 120	P	07/21/2025	12:55	LB136562
	Cadmium	5.82	6.0	97	80 - 120	P	07/21/2025	12:55	LB136562
	Calcium	2160	2000	108	80 - 120	P	07/21/2025	12:55	LB136562
	Chromium	9.88	10.0	99	80 - 120	P	07/21/2025	12:55	LB136562
	Cobalt	30.9	30.0	103	80 - 120	P	07/21/2025	12:55	LB136562
	Copper	21.9	20.0	109	80 - 120	P	07/21/2025	12:55	LB136562
	Iron	118	100	118	80 - 120	P	07/21/2025	12:55	LB136562
	Lead	11.9	12.0	100	80 - 120	P	07/21/2025	12:55	LB136562
	Magnesium	2250	2000	112	80 - 120	P	07/21/2025	12:55	LB136562
	Manganese	22.8	20.0	114	80 - 120	P	07/21/2025	12:55	LB136562
	Nickel	41.8	40.0	105	80 - 120	P	07/21/2025	12:55	LB136562
	Potassium	1740	2000	87	80 - 120	P	07/21/2025	12:55	LB136562
	Selenium	23.2	20.0	116	80 - 120	P	07/21/2025	12:55	LB136562
	Silver	10.2	10.0	102	80 - 120	P	07/21/2025	12:55	LB136562
	Sodium	1620	2000	81	80 - 120	P	07/21/2025	12:55	LB136562
	Thallium	45.9	40.0	115	80 - 120	P	07/21/2025	12:55	LB136562
	Vanadium	35.5	40.0	89	80 - 120	P	07/21/2025	12:55	LB136562
	Zinc	44.2	40.0	111	80 - 120	P	07/21/2025	12:55	LB136562

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2638

Contract: NOBI03 **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	Aluminum	9920	10000	99	90 - 110	P	07/21/2025	13:36	LB136562
	Antimony	4970	5000	100	90 - 110	P	07/21/2025	13:36	LB136562
	Arsenic	4990	5000	100	90 - 110	P	07/21/2025	13:36	LB136562
	Barium	10100	10000	101	90 - 110	P	07/21/2025	13:36	LB136562
	Beryllium	239	250	96	90 - 110	P	07/21/2025	13:36	LB136562
	Cadmium	2440	2500	98	90 - 110	P	07/21/2025	13:36	LB136562
	Calcium	25400	25000	102	90 - 110	P	07/21/2025	13:36	LB136562
	Chromium	947	1000	95	90 - 110	P	07/21/2025	13:36	LB136562
	Cobalt	2410	2500	96	90 - 110	P	07/21/2025	13:36	LB136562
	Copper	1230	1250	98	90 - 110	P	07/21/2025	13:36	LB136562
	Iron	4920	5000	98	90 - 110	P	07/21/2025	13:36	LB136562
	Lead	4870	5000	98	90 - 110	P	07/21/2025	13:36	LB136562
	Magnesium	24500	25000	98	90 - 110	P	07/21/2025	13:36	LB136562
	Manganese	2500	2500	100	90 - 110	P	07/21/2025	13:36	LB136562
	Nickel	2420	2500	97	90 - 110	P	07/21/2025	13:36	LB136562
	Potassium	24700	25000	99	90 - 110	P	07/21/2025	13:36	LB136562
	Selenium	5060	5000	101	90 - 110	P	07/21/2025	13:36	LB136562
	Silver	1230	1250	98	90 - 110	P	07/21/2025	13:36	LB136562
	Sodium	24000	25000	96	90 - 110	P	07/21/2025	13:36	LB136562
	Thallium	5090	5000	102	90 - 110	P	07/21/2025	13:36	LB136562
	Vanadium	2450	2500	98	90 - 110	P	07/21/2025	13:36	LB136562
	Zinc	2490	2500	100	90 - 110	P	07/21/2025	13:36	LB136562
CCV02	Aluminum	9840	10000	98	90 - 110	P	07/21/2025	14:46	LB136562
	Antimony	5030	5000	100	90 - 110	P	07/21/2025	14:46	LB136562
	Arsenic	4990	5000	100	90 - 110	P	07/21/2025	14:46	LB136562
	Barium	10200	10000	102	90 - 110	P	07/21/2025	14:46	LB136562
	Beryllium	244	250	98	90 - 110	P	07/21/2025	14:46	LB136562
	Cadmium	2400	2500	96	90 - 110	P	07/21/2025	14:46	LB136562
	Calcium	25500	25000	102	90 - 110	P	07/21/2025	14:46	LB136562
	Chromium	944	1000	94	90 - 110	P	07/21/2025	14:46	LB136562
	Cobalt	2390	2500	96	90 - 110	P	07/21/2025	14:46	LB136562
	Copper	1220	1250	98	90 - 110	P	07/21/2025	14:46	LB136562
	Iron	4830	5000	96	90 - 110	P	07/21/2025	14:46	LB136562
	Lead	4830	5000	96	90 - 110	P	07/21/2025	14:46	LB136562

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2638

Contract: NOBI03 **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
CCV02	Magnesium	24000	25000	96	90 - 110	P	07/21/2025	14:46	LB136562
	Manganese	2490	2500	100	90 - 110	P	07/21/2025	14:46	LB136562
	Nickel	2400	2500	96	90 - 110	P	07/21/2025	14:46	LB136562
	Potassium	24700	25000	99	90 - 110	P	07/21/2025	14:46	LB136562
	Selenium	5100	5000	102	90 - 110	P	07/21/2025	14:46	LB136562
	Silver	1220	1250	98	90 - 110	P	07/21/2025	14:46	LB136562
	Sodium	23100	25000	92	90 - 110	P	07/21/2025	14:46	LB136562
	Thallium	5440	5000	109	90 - 110	P	07/21/2025	14:46	LB136562
	Vanadium	2420	2500	97	90 - 110	P	07/21/2025	14:46	LB136562
	Zinc	2470	2500	99	90 - 110	P	07/21/2025	14:46	LB136562
CCV03	Aluminum	9580	10000	96	90 - 110	P	07/21/2025	15:47	LB136562
	Antimony	4870	5000	98	90 - 110	P	07/21/2025	15:47	LB136562
	Arsenic	4870	5000	98	90 - 110	P	07/21/2025	15:47	LB136562
	Barium	9930	10000	99	90 - 110	P	07/21/2025	15:47	LB136562
	Beryllium	234	250	94	90 - 110	P	07/21/2025	15:47	LB136562
	Cadmium	2370	2500	95	90 - 110	P	07/21/2025	15:47	LB136562
	Calcium	24700	25000	99	90 - 110	P	07/21/2025	15:47	LB136562
	Chromium	917	1000	92	90 - 110	P	07/21/2025	15:47	LB136562
	Cobalt	2340	2500	94	90 - 110	P	07/21/2025	15:47	LB136562
	Copper	1190	1250	96	90 - 110	P	07/21/2025	15:47	LB136562
	Iron	4840	5000	97	90 - 110	P	07/21/2025	15:47	LB136562
	Lead	4730	5000	95	90 - 110	P	07/21/2025	15:47	LB136562
	Magnesium	23400	25000	94	90 - 110	P	07/21/2025	15:47	LB136562
	Manganese	2410	2500	97	90 - 110	P	07/21/2025	15:47	LB136562
	Nickel	2360	2500	94	90 - 110	P	07/21/2025	15:47	LB136562
	Potassium	24400	25000	98	90 - 110	P	07/21/2025	15:47	LB136562
	Selenium	4940	5000	99	90 - 110	P	07/21/2025	15:47	LB136562
	Silver	1210	1250	97	90 - 110	P	07/21/2025	15:47	LB136562
	Sodium	23400	25000	94	90 - 110	P	07/21/2025	15:47	LB136562
	Thallium	4700	5000	94	90 - 110	P	07/21/2025	15:47	LB136562
	Vanadium	2350	2500	94	90 - 110	P	07/21/2025	15:47	LB136562
	Zinc	2440	2500	98	90 - 110	P	07/21/2025	15:47	LB136562
CCV04	Aluminum	9970	10000	100	90 - 110	P	07/21/2025	16:50	LB136562
	Antimony	5140	5000	103	90 - 110	P	07/21/2025	16:50	LB136562

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2638

Contract: NOBI03 **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
CCV04	Arsenic	5160	5000	103	90 - 110	P	07/21/2025	16:50	LB136562
	Barium	10400	10000	104	90 - 110	P	07/21/2025	16:50	LB136562
	Beryllium	246	250	98	90 - 110	P	07/21/2025	16:50	LB136562
	Cadmium	2470	2500	99	90 - 110	P	07/21/2025	16:50	LB136562
	Calcium	25800	25000	103	90 - 110	P	07/21/2025	16:50	LB136562
	Chromium	947	1000	95	90 - 110	P	07/21/2025	16:50	LB136562
	Cobalt	2450	2500	98	90 - 110	P	07/21/2025	16:50	LB136562
	Copper	1250	1250	100	90 - 110	P	07/21/2025	16:50	LB136562
	Iron	4970	5000	100	90 - 110	P	07/21/2025	16:50	LB136562
	Lead	4950	5000	99	90 - 110	P	07/21/2025	16:50	LB136562
	Magnesium	24300	25000	97	90 - 110	P	07/21/2025	16:50	LB136562
	Manganese	2540	2500	102	90 - 110	P	07/21/2025	16:50	LB136562
	Nickel	2470	2500	99	90 - 110	P	07/21/2025	16:50	LB136562
	Potassium	25400	25000	102	90 - 110	P	07/21/2025	16:50	LB136562
	Selenium	5280	5000	106	90 - 110	P	07/21/2025	16:50	LB136562
	Silver	1250	1250	100	90 - 110	P	07/21/2025	16:50	LB136562
	Sodium	23400	25000	94	90 - 110	P	07/21/2025	16:50	LB136562
	Thallium	5450	5000	109	90 - 110	P	07/21/2025	16:50	LB136562
	Vanadium	2440	2500	98	90 - 110	P	07/21/2025	16:50	LB136562
	Zinc	2530	2500	101	90 - 110	P	07/21/2025	16:50	LB136562
CCV05	Aluminum	9440	10000	94	90 - 110	P	07/21/2025	17:27	LB136562
	Antimony	4870	5000	97	90 - 110	P	07/21/2025	17:27	LB136562
	Arsenic	4730	5000	95	90 - 110	P	07/21/2025	17:27	LB136562
	Barium	9820	10000	98	90 - 110	P	07/21/2025	17:27	LB136562
	Beryllium	237	250	95	90 - 110	P	07/21/2025	17:27	LB136562
	Cadmium	2270	2500	91	90 - 110	P	07/21/2025	17:27	LB136562
	Calcium	24300	25000	97	90 - 110	P	07/21/2025	17:27	LB136562
	Chromium	913	1000	91	90 - 110	P	07/21/2025	17:27	LB136562
	Cobalt	2310	2500	92	90 - 110	P	07/21/2025	17:27	LB136562
	Copper	1170	1250	94	90 - 110	P	07/21/2025	17:27	LB136562
	Iron	4630	5000	93	90 - 110	P	07/21/2025	17:27	LB136562
	Lead	4570	5000	91	90 - 110	P	07/21/2025	17:27	LB136562
	Magnesium	23100	25000	92	90 - 110	P	07/21/2025	17:27	LB136562
	Manganese	2410	2500	96	90 - 110	P	07/21/2025	17:27	LB136562

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Nobis Group **SDG No.:** Q2638

Contract: NOBI03 **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	Nickel	2320	2500	93	90 - 110	P	07/21/2025	17:27	LB136562
	Potassium	23800	25000	95	90 - 110	P	07/21/2025	17:27	LB136562
	Selenium	4840	5000	97	90 - 110	P	07/21/2025	17:27	LB136562
	Silver	1200	1250	96	90 - 110	P	07/21/2025	17:27	LB136562
	Sodium	22900	25000	92	90 - 110	P	07/21/2025	17:27	LB136562
	Thallium	5390	5000	108	90 - 110	P	07/21/2025	17:27	LB136562
	Vanadium	2320	2500	93	90 - 110	P	07/21/2025	17:27	LB136562
	Zinc	2430	2500	97	90 - 110	P	07/21/2025	17:27	LB136562