

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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
ICV107	Mercury	3.89	4.0	97	95 - 105	CV	12/02/2024	13:43	LB133684

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

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
CCV69	Mercury	5.09	5.0	102	90 - 110	CV	12/02/2024	13:48	LB133684
CCV70	Mercury	4.79	5.0	96	90 - 110	CV	12/02/2024	14:18	LB133684
CCV71	Mercury	4.88	5.0	98	90 - 110	CV	12/02/2024	14:28	LB133684

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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	2570	2500	103	95 - 105	P	12/06/2024	12:14	LB133790
	Antimony	1020	1000	102	95 - 105	P	12/06/2024	12:14	LB133790
	Arsenic	995	1000	100	95 - 105	P	12/06/2024	12:14	LB133790
	Barium	516	520	99	95 - 105	P	12/06/2024	12:14	LB133790
	Beryllium	518	510	102	95 - 105	P	12/06/2024	12:14	LB133790
	Cadmium	503	510	99	95 - 105	P	12/06/2024	12:14	LB133790
	Calcium	10100	10000	101	95 - 105	P	12/06/2024	12:14	LB133790
	Chromium	526	520	101	95 - 105	P	12/06/2024	12:14	LB133790
	Cobalt	512	520	98	95 - 105	P	12/06/2024	12:14	LB133790
	Copper	528	510	104	95 - 105	P	12/06/2024	12:14	LB133790
	Iron	9870	10000	99	95 - 105	P	12/06/2024	12:14	LB133790
	Lead	1000	1000	100	95 - 105	P	12/06/2024	12:14	LB133790
	Magnesium	5930	6000	99	95 - 105	P	12/06/2024	12:14	LB133790
	Manganese	521	520	100	95 - 105	P	12/06/2024	12:14	LB133790
	Nickel	514	530	97	95 - 105	P	12/06/2024	12:14	LB133790
	Potassium	9770	9900	99	95 - 105	P	12/06/2024	12:14	LB133790
	Selenium	1030	1000	103	95 - 105	P	12/06/2024	12:14	LB133790
	Silver	253	250	101	95 - 105	P	12/06/2024	12:14	LB133790
	Sodium	9550	10000	96	95 - 105	P	12/06/2024	12:14	LB133790
	Thallium	1040	1000	104	95 - 105	P	12/06/2024	12:14	LB133790
	Vanadium	513	500	102	95 - 105	P	12/06/2024	12:14	LB133790
	Zinc	1030	1000	103	95 - 105	P	12/06/2024	12:14	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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	105	100	105	80 - 120	P	12/06/2024	12:20	LB133790
	Antimony	51.1	50.0	102	80 - 120	P	12/06/2024	12:20	LB133790
	Arsenic	19.8	20.0	99	80 - 120	P	12/06/2024	12:20	LB133790
	Barium	96.9	100	97	80 - 120	P	12/06/2024	12:20	LB133790
	Beryllium	6.20	6.0	103	80 - 120	P	12/06/2024	12:20	LB133790
	Cadmium	5.98	6.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Calcium	2050	2000	102	80 - 120	P	12/06/2024	12:20	LB133790
	Chromium	10.0	10.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Cobalt	29.5	30.0	98	80 - 120	P	12/06/2024	12:20	LB133790
	Copper	22.1	20.0	111	80 - 120	P	12/06/2024	12:20	LB133790
	Iron	98.1	100	98	80 - 120	P	12/06/2024	12:20	LB133790
	Lead	10.5	12.0	88	80 - 120	P	12/06/2024	12:20	LB133790
	Magnesium	2140	2000	107	80 - 120	P	12/06/2024	12:20	LB133790
	Manganese	20.6	20.0	103	80 - 120	P	12/06/2024	12:20	LB133790
	Nickel	39.5	40.0	99	80 - 120	P	12/06/2024	12:20	LB133790
	Potassium	1890	2000	95	80 - 120	P	12/06/2024	12:20	LB133790
	Selenium	18.0	20.0	90	80 - 120	P	12/06/2024	12:20	LB133790
	Silver	10.6	10.0	106	80 - 120	P	12/06/2024	12:20	LB133790
	Sodium	1810	2000	90	80 - 120	P	12/06/2024	12:20	LB133790
	Thallium	40.1	40.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Vanadium	39.8	40.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Zinc	42.2	40.0	105	80 - 120	P	12/06/2024	12:20	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

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	10000	10000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Antimony	4950	5000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Arsenic	5010	5000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Barium	9800	10000	98	90 - 110	P	12/06/2024	13:09	LB133790
	Beryllium	249	250	100	90 - 110	P	12/06/2024	13:09	LB133790
	Cadmium	2520	2500	101	90 - 110	P	12/06/2024	13:09	LB133790
	Calcium	24700	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Chromium	1020	1000	102	90 - 110	P	12/06/2024	13:09	LB133790
	Cobalt	2510	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Copper	1280	1250	102	90 - 110	P	12/06/2024	13:09	LB133790
	Iron	4940	5000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Lead	5020	5000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Magnesium	24800	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Manganese	2440	2500	98	90 - 110	P	12/06/2024	13:09	LB133790
	Nickel	2510	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Potassium	24700	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Selenium	5060	5000	101	90 - 110	P	12/06/2024	13:09	LB133790
	Silver	1250	1250	100	90 - 110	P	12/06/2024	13:09	LB133790
	Sodium	24300	25000	97	90 - 110	P	12/06/2024	13:09	LB133790
	Thallium	5050	5000	101	90 - 110	P	12/06/2024	13:09	LB133790
	Vanadium	2500	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Zinc	2550	2500	102	90 - 110	P	12/06/2024	13:09	LB133790
CCV02	Aluminum	9810	10000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Antimony	4850	5000	97	90 - 110	P	12/06/2024	13:38	LB133790
	Arsenic	4880	5000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Barium	9400	10000	94	90 - 110	P	12/06/2024	13:38	LB133790
	Beryllium	244	250	98	90 - 110	P	12/06/2024	13:38	LB133790
	Cadmium	2460	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Calcium	24200	25000	97	90 - 110	P	12/06/2024	13:38	LB133790
	Chromium	1010	1000	101	90 - 110	P	12/06/2024	13:38	LB133790
	Cobalt	2450	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Copper	1250	1250	100	90 - 110	P	12/06/2024	13:38	LB133790
	Iron	4810	5000	96	90 - 110	P	12/06/2024	13:38	LB133790
	Lead	4900	5000	98	90 - 110	P	12/06/2024	13:38	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997

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	24400	25000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Manganese	2360	2500	95	90 - 110	P	12/06/2024	13:38	LB133790
	Nickel	2450	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Potassium	23900	25000	96	90 - 110	P	12/06/2024	13:38	LB133790
	Selenium	4940	5000	99	90 - 110	P	12/06/2024	13:38	LB133790
	Silver	1230	1250	98	90 - 110	P	12/06/2024	13:38	LB133790
	Sodium	23500	25000	94	90 - 110	P	12/06/2024	13:38	LB133790
	Thallium	4910	5000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Vanadium	2440	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Zinc	2500	2500	100	90 - 110	P	12/06/2024	13:38	LB133790
CCV03	Aluminum	9820	10000	98	90 - 110	P	12/06/2024	14:42	LB133790
	Antimony	4780	5000	96	90 - 110	P	12/06/2024	14:42	LB133790
	Arsenic	4820	5000	96	90 - 110	P	12/06/2024	14:42	LB133790
	Barium	9370	10000	94	90 - 110	P	12/06/2024	14:42	LB133790
	Beryllium	245	250	98	90 - 110	P	12/06/2024	14:42	LB133790
	Cadmium	2450	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Calcium	24200	25000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Chromium	1000	1000	100	90 - 110	P	12/06/2024	14:42	LB133790
	Cobalt	2430	2500	97	90 - 110	P	12/06/2024	14:42	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	14:42	LB133790
	Iron	4770	5000	95	90 - 110	P	12/06/2024	14:42	LB133790
	Lead	4880	5000	98	90 - 110	P	12/06/2024	14:42	LB133790
	Magnesium	24300	25000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Manganese	2360	2500	94	90 - 110	P	12/06/2024	14:42	LB133790
	Nickel	2440	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Potassium	23300	25000	93	90 - 110	P	12/06/2024	14:42	LB133790
	Selenium	4870	5000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Silver	1210	1250	97	90 - 110	P	12/06/2024	14:42	LB133790
	Sodium	24900	25000	100	90 - 110	P	12/06/2024	14:42	LB133790
	Thallium	4850	5000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Vanadium	2450	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Zinc	2470	2500	99	90 - 110	P	12/06/2024	14:42	LB133790
CCV04	Aluminum	9820	10000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Antimony	4780	5000	96	90 - 110	P	12/06/2024	15:40	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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	4870	5000	97	90 - 110	P	12/06/2024	15:40	LB133790
	Barium	9560	10000	96	90 - 110	P	12/06/2024	15:40	LB133790
	Beryllium	250	250	100	90 - 110	P	12/06/2024	15:40	LB133790
	Cadmium	2500	2500	100	90 - 110	P	12/06/2024	15:40	LB133790
	Calcium	24600	25000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Chromium	1020	1000	102	90 - 110	P	12/06/2024	15:40	LB133790
	Cobalt	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Copper	1240	1250	100	90 - 110	P	12/06/2024	15:40	LB133790
	Iron	4880	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Lead	4960	5000	99	90 - 110	P	12/06/2024	15:40	LB133790
	Magnesium	24800	25000	99	90 - 110	P	12/06/2024	15:40	LB133790
	Manganese	2420	2500	97	90 - 110	P	12/06/2024	15:40	LB133790
	Nickel	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Potassium	23500	25000	94	90 - 110	P	12/06/2024	15:40	LB133790
	Selenium	4910	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Silver	1230	1250	98	90 - 110	P	12/06/2024	15:40	LB133790
	Sodium	25600	25000	102	90 - 110	P	12/06/2024	15:40	LB133790
	Thallium	4910	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Vanadium	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Zinc	2430	2500	97	90 - 110	P	12/06/2024	15:40	LB133790
CCV05	Aluminum	9800	10000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Antimony	4730	5000	95	90 - 110	P	12/06/2024	16:35	LB133790
	Arsenic	4810	5000	96	90 - 110	P	12/06/2024	16:35	LB133790
	Barium	9510	10000	95	90 - 110	P	12/06/2024	16:35	LB133790
	Beryllium	250	250	100	90 - 110	P	12/06/2024	16:35	LB133790
	Cadmium	2460	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Calcium	24500	25000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Chromium	1010	1000	100	90 - 110	P	12/06/2024	16:35	LB133790
	Cobalt	2440	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	16:35	LB133790
	Iron	4850	5000	97	90 - 110	P	12/06/2024	16:35	LB133790
	Lead	4890	5000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Magnesium	24500	25000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Manganese	2420	2500	97	90 - 110	P	12/06/2024	16:35	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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	2450	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Potassium	23200	25000	93	90 - 110	P	12/06/2024	16:35	LB133790
	Selenium	4850	5000	97	90 - 110	P	12/06/2024	16:35	LB133790
	Silver	1220	1250	98	90 - 110	P	12/06/2024	16:35	LB133790
	Sodium	25300	25000	101	90 - 110	P	12/06/2024	16:35	LB133790
	Thallium	4820	5000	96	90 - 110	P	12/06/2024	16:35	LB133790
	Vanadium	2470	2500	99	90 - 110	P	12/06/2024	16:35	LB133790
	Zinc	2380	2500	95	90 - 110	P	12/06/2024	16:35	LB133790
CCV06	Aluminum	9980	10000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Antimony	4840	5000	97	90 - 110	P	12/06/2024	17:27	LB133790
	Arsenic	4950	5000	99	90 - 110	P	12/06/2024	17:27	LB133790
	Barium	9680	10000	97	90 - 110	P	12/06/2024	17:27	LB133790
	Beryllium	253	250	101	90 - 110	P	12/06/2024	17:27	LB133790
	Cadmium	2540	2500	102	90 - 110	P	12/06/2024	17:27	LB133790
	Calcium	24900	25000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Chromium	1030	1000	103	90 - 110	P	12/06/2024	17:27	LB133790
	Cobalt	2510	2500	100	90 - 110	P	12/06/2024	17:27	LB133790
	Copper	1260	1250	101	90 - 110	P	12/06/2024	17:27	LB133790
	Iron	4910	5000	98	90 - 110	P	12/06/2024	17:27	LB133790
	Lead	5020	5000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Magnesium	25000	25000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Manganese	2440	2500	98	90 - 110	P	12/06/2024	17:27	LB133790
	Nickel	2520	2500	101	90 - 110	P	12/06/2024	17:27	LB133790
	Potassium	23700	25000	95	90 - 110	P	12/06/2024	17:27	LB133790
	Selenium	5000	5000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Silver	1250	1250	100	90 - 110	P	12/06/2024	17:27	LB133790
	Sodium	22500	25000	90	90 - 110	P	12/06/2024	17:27	LB133790
	Thallium	4930	5000	99	90 - 110	P	12/06/2024	17:27	LB133790
	Vanadium	2520	2500	101	90 - 110	P	12/06/2024	17:27	LB133790
	Zinc	2480	2500	99	90 - 110	P	12/06/2024	17:27	LB133790
CCV07	Aluminum	9730	10000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Antimony	4710	5000	94	90 - 110	P	12/06/2024	18:21	LB133790
	Arsenic	4810	5000	96	90 - 110	P	12/06/2024	18:21	LB133790
	Barium	9300	10000	93	90 - 110	P	12/06/2024	18:21	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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
CCV07	Beryllium	251	250	101	90 - 110	P	12/06/2024	18:21	LB133790
	Cadmium	2490	2500	100	90 - 110	P	12/06/2024	18:21	LB133790
	Calcium	24400	25000	98	90 - 110	P	12/06/2024	18:21	LB133790
	Chromium	1010	1000	101	90 - 110	P	12/06/2024	18:21	LB133790
	Cobalt	2470	2500	99	90 - 110	P	12/06/2024	18:21	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	18:21	LB133790
	Iron	4760	5000	95	90 - 110	P	12/06/2024	18:21	LB133790
	Lead	4930	5000	99	90 - 110	P	12/06/2024	18:21	LB133790
	Magnesium	24500	25000	98	90 - 110	P	12/06/2024	18:21	LB133790
	Manganese	2400	2500	96	90 - 110	P	12/06/2024	18:21	LB133790
	Nickel	2470	2500	99	90 - 110	P	12/06/2024	18:21	LB133790
	Potassium	22800	25000	91	90 - 110	P	12/06/2024	18:21	LB133790
	Selenium	4860	5000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Silver	1220	1250	98	90 - 110	P	12/06/2024	18:21	LB133790
	Sodium	26000	25000	104	90 - 110	P	12/06/2024	18:21	LB133790
	Thallium	4870	5000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Vanadium	2460	2500	98	90 - 110	P	12/06/2024	18:21	LB133790
	Zinc	2440	2500	98	90 - 110	P	12/06/2024	18:21	LB133790

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/

SDG No.: P4997

Contract: NEWY17

Lab Code: CHEM

Case No.: P4997

SAS No.: P4997

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	2490	2500	100	95 - 105	P	12/09/2024	11:35	LB133834
	Antimony	980	1000	98	95 - 105	P	12/09/2024	11:35	LB133834
	Arsenic	955	1000	96	95 - 105	P	12/09/2024	11:35	LB133834
	Barium	508	520	98	95 - 105	P	12/09/2024	11:35	LB133834
	Beryllium	525	510	103	95 - 105	P	12/09/2024	11:35	LB133834
	Cadmium	494	510	97	95 - 105	P	12/09/2024	11:35	LB133834
	Calcium	10100	10000	101	95 - 105	P	12/09/2024	11:35	LB133834
	Chromium	517	520	99	95 - 105	P	12/09/2024	11:35	LB133834
	Cobalt	500	520	96	95 - 105	P	12/09/2024	11:35	LB133834
	Copper	508	510	100	95 - 105	P	12/09/2024	11:35	LB133834
	Iron	9630	10000	96	95 - 105	P	12/09/2024	11:35	LB133834
	Lead	971	1000	97	95 - 105	P	12/09/2024	11:35	LB133834
	Magnesium	5940	6000	99	95 - 105	P	12/09/2024	11:35	LB133834
	Manganese	520	520	100	95 - 105	P	12/09/2024	11:35	LB133834
	Nickel	550	530	104	95 - 105	P	12/09/2024	11:35	LB133834
	Potassium	10200	9900	103	95 - 105	P	12/09/2024	11:35	LB133834
	Selenium	975	1000	98	95 - 105	P	12/09/2024	11:35	LB133834
	Silver	248	250	99	95 - 105	P	12/09/2024	11:35	LB133834
	Sodium	10400	10000	104	95 - 105	P	12/09/2024	11:35	LB133834
	Thallium	1010	1000	101	95 - 105	P	12/09/2024	11:35	LB133834
	Vanadium	506	500	101	95 - 105	P	12/09/2024	11:35	LB133834
	Zinc	999	1000	100	95 - 105	P	12/09/2024	11:35	LB133834

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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	107	100	107	80 - 120	P	12/09/2024	11:49	LB133834
	Antimony	50.9	50.0	102	80 - 120	P	12/09/2024	11:49	LB133834
	Arsenic	18.7	20.0	94	80 - 120	P	12/09/2024	11:49	LB133834
	Barium	99.3	100	99	80 - 120	P	12/09/2024	11:49	LB133834
	Beryllium	6.16	6.0	103	80 - 120	P	12/09/2024	11:49	LB133834
	Cadmium	5.91	6.0	98	80 - 120	P	12/09/2024	11:49	LB133834
	Calcium	2130	2000	106	80 - 120	P	12/09/2024	11:49	LB133834
	Chromium	11.3	10.0	113	80 - 120	P	12/09/2024	11:49	LB133834
	Cobalt	29.4	30.0	98	80 - 120	P	12/09/2024	11:49	LB133834
	Copper	22.3	20.0	111	80 - 120	P	12/09/2024	11:49	LB133834
	Iron	93.5	100	94	80 - 120	P	12/09/2024	11:49	LB133834
	Lead	12.3	12.0	102	80 - 120	P	12/09/2024	11:49	LB133834
	Magnesium	2250	2000	112	80 - 120	P	12/09/2024	11:49	LB133834
	Manganese	21.5	20.0	107	80 - 120	P	12/09/2024	11:49	LB133834
	Nickel	39.5	40.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Potassium	1830	2000	92	80 - 120	P	12/09/2024	11:49	LB133834
	Selenium	21.1	20.0	106	80 - 120	P	12/09/2024	11:49	LB133834
	Silver	9.94	10.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Sodium	1770	2000	89	80 - 120	P	12/09/2024	11:49	LB133834
	Thallium	39.5	40.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Vanadium	42.1	40.0	105	80 - 120	P	12/09/2024	11:49	LB133834
	Zinc	42.5	40.0	106	80 - 120	P	12/09/2024	11:49	LB133834

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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	9760	10000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Antimony	4890	5000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Arsenic	4840	5000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Barium	9640	10000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Beryllium	249	250	100	90 - 110	P	12/09/2024	12:29	LB133834
	Cadmium	2430	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Calcium	24300	25000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Chromium	993	1000	99	90 - 110	P	12/09/2024	12:29	LB133834
	Cobalt	2420	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	12:29	LB133834
	Iron	4760	5000	95	90 - 110	P	12/09/2024	12:29	LB133834
	Lead	4850	5000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Magnesium	24200	25000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Manganese	2390	2500	96	90 - 110	P	12/09/2024	12:29	LB133834
	Nickel	2420	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Potassium	24000	25000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Selenium	4880	5000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Silver	1230	1250	98	90 - 110	P	12/09/2024	12:29	LB133834
	Sodium	24000	25000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Thallium	5080	5000	102	90 - 110	P	12/09/2024	12:29	LB133834
	Vanadium	2450	2500	98	90 - 110	P	12/09/2024	12:29	LB133834
	Zinc	2480	2500	99	90 - 110	P	12/09/2024	12:29	LB133834
CCV02	Aluminum	9930	10000	99	90 - 110	P	12/09/2024	13:30	LB133834
	Antimony	5210	5000	104	90 - 110	P	12/09/2024	13:30	LB133834
	Arsenic	5090	5000	102	90 - 110	P	12/09/2024	13:30	LB133834
	Barium	9940	10000	99	90 - 110	P	12/09/2024	13:30	LB133834
	Beryllium	234	250	93	90 - 110	P	12/09/2024	13:30	LB133834
	Cadmium	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Calcium	23600	25000	94	90 - 110	P	12/09/2024	13:30	LB133834
	Chromium	984	1000	98	90 - 110	P	12/09/2024	13:30	LB133834
	Cobalt	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Copper	1280	1250	103	90 - 110	P	12/09/2024	13:30	LB133834
	Iron	4890	5000	98	90 - 110	P	12/09/2024	13:30	LB133834
	Lead	4850	5000	97	90 - 110	P	12/09/2024	13:30	LB133834

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997

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	23400	25000	94	90 - 110	P	12/09/2024	13:30	LB133834
	Manganese	2350	2500	94	90 - 110	P	12/09/2024	13:30	LB133834
	Nickel	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Potassium	25800	25000	103	90 - 110	P	12/09/2024	13:30	LB133834
	Selenium	5240	5000	105	90 - 110	P	12/09/2024	13:30	LB133834
	Silver	1240	1250	100	90 - 110	P	12/09/2024	13:30	LB133834
	Sodium	25600	25000	102	90 - 110	P	12/09/2024	13:30	LB133834
	Thallium	5210	5000	104	90 - 110	P	12/09/2024	13:30	LB133834
	Vanadium	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Zinc	2540	2500	102	90 - 110	P	12/09/2024	13:30	LB133834
CCV03	Aluminum	9740	10000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Antimony	5060	5000	101	90 - 110	P	12/09/2024	14:23	LB133834
	Arsenic	4930	5000	99	90 - 110	P	12/09/2024	14:23	LB133834
	Barium	9920	10000	99	90 - 110	P	12/09/2024	14:23	LB133834
	Beryllium	233	250	93	90 - 110	P	12/09/2024	14:23	LB133834
	Cadmium	2420	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Calcium	23500	25000	94	90 - 110	P	12/09/2024	14:23	LB133834
	Chromium	967	1000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Cobalt	2410	2500	96	90 - 110	P	12/09/2024	14:23	LB133834
	Copper	1260	1250	101	90 - 110	P	12/09/2024	14:23	LB133834
	Iron	4870	5000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Lead	4790	5000	96	90 - 110	P	12/09/2024	14:23	LB133834
	Magnesium	23200	25000	93	90 - 110	P	12/09/2024	14:23	LB133834
	Manganese	2360	2500	94	90 - 110	P	12/09/2024	14:23	LB133834
	Nickel	2410	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Potassium	25400	25000	102	90 - 110	P	12/09/2024	14:23	LB133834
	Selenium	5010	5000	100	90 - 110	P	12/09/2024	14:23	LB133834
	Silver	1220	1250	98	90 - 110	P	12/09/2024	14:23	LB133834
	Sodium	25900	25000	104	90 - 110	P	12/09/2024	14:23	LB133834
	Thallium	4900	5000	98	90 - 110	P	12/09/2024	14:23	LB133834
	Vanadium	2420	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Zinc	2500	2500	100	90 - 110	P	12/09/2024	14:23	LB133834
CCV04	Aluminum	9580	10000	96	90 - 110	P	12/09/2024	15:13	LB133834
	Antimony	4940	5000	99	90 - 110	P	12/09/2024	15:13	LB133834

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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	4850	5000	97	90 - 110	P	12/09/2024	15:13	LB133834
	Barium	9630	10000	96	90 - 110	P	12/09/2024	15:13	LB133834
	Beryllium	234	250	94	90 - 110	P	12/09/2024	15:13	LB133834
	Cadmium	2370	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Calcium	23200	25000	93	90 - 110	P	12/09/2024	15:13	LB133834
	Chromium	952	1000	95	90 - 110	P	12/09/2024	15:13	LB133834
	Cobalt	2360	2500	94	90 - 110	P	12/09/2024	15:13	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	15:13	LB133834
	Iron	4720	5000	94	90 - 110	P	12/09/2024	15:13	LB133834
	Lead	4720	5000	94	90 - 110	P	12/09/2024	15:13	LB133834
	Magnesium	23000	25000	92	90 - 110	P	12/09/2024	15:13	LB133834
	Manganese	2320	2500	93	90 - 110	P	12/09/2024	15:13	LB133834
	Nickel	2370	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Potassium	24300	25000	97	90 - 110	P	12/09/2024	15:13	LB133834
	Selenium	4940	5000	99	90 - 110	P	12/09/2024	15:13	LB133834
	Silver	1200	1250	96	90 - 110	P	12/09/2024	15:13	LB133834
	Sodium	23800	25000	95	90 - 110	P	12/09/2024	15:13	LB133834
	Thallium	5090	5000	102	90 - 110	P	12/09/2024	15:13	LB133834
	Vanadium	2360	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Zinc	2410	2500	97	90 - 110	P	12/09/2024	15:13	LB133834
CCV05	Aluminum	9430	10000	94	90 - 110	P	12/09/2024	15:52	LB133834
	Antimony	4930	5000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Arsenic	4810	5000	96	90 - 110	P	12/09/2024	15:52	LB133834
	Barium	9700	10000	97	90 - 110	P	12/09/2024	15:52	LB133834
	Beryllium	229	250	92	90 - 110	P	12/09/2024	15:52	LB133834
	Cadmium	2320	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Calcium	22700	25000	91	90 - 110	P	12/09/2024	15:52	LB133834
	Chromium	925	1000	92	90 - 110	P	12/09/2024	15:52	LB133834
	Cobalt	2320	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	15:52	LB133834
	Iron	4670	5000	93	90 - 110	P	12/09/2024	15:52	LB133834
	Lead	4610	5000	92	90 - 110	P	12/09/2024	15:52	LB133834
	Magnesium	24400	25000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Manganese	2300	2500	92	90 - 110	P	12/09/2024	15:52	LB133834

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P4997
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P4997 **SAS No.:** P4997
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	12/09/2024	15:52	LB133834
	Potassium	24400	25000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Selenium	4900	5000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Silver	1180	1250	94	90 - 110	P	12/09/2024	15:52	LB133834
	Sodium	23800	25000	95	90 - 110	P	12/09/2024	15:52	LB133834
	Thallium	4870	5000	97	90 - 110	P	12/09/2024	15:52	LB133834
	Vanadium	2330	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Zinc	2350	2500	94	90 - 110	P	12/09/2024	15:52	LB133834