

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/

SDG No.: P5068

Contract: NEWY17

Lab Code: CHEM

Case No.: P5068

SAS No.: P5068

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
ICV14	Mercury	4.03	4.0	101	95 - 105	CV	12/10/2024	10:09	LB133852

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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
CCV10	Mercury	5.46	5.0	109	90 - 110	CV	12/10/2024	10:29	LB133852
CCV11	Mercury	4.69	5.0	94	90 - 110	CV	12/10/2024	11:26	LB133852
CCV12	Mercury	5.35	5.0	107	90 - 110	CV	12/10/2024	11:44	LB133852

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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	2530	2500	101	95 - 105	P	12/05/2024	13:53	LB133769
	Antimony	982	1000	98	95 - 105	P	12/05/2024	13:53	LB133769
	Arsenic	965	1000	96	95 - 105	P	12/05/2024	13:53	LB133769
	Barium	519	520	100	95 - 105	P	12/05/2024	13:53	LB133769
	Beryllium	520	510	102	95 - 105	P	12/05/2024	13:53	LB133769
	Cadmium	500	510	98	95 - 105	P	12/05/2024	13:53	LB133769
	Calcium	9900	10000	99	95 - 105	P	12/05/2024	13:53	LB133769
	Chromium	523	520	101	95 - 105	P	12/05/2024	13:53	LB133769
	Cobalt	505	520	97	95 - 105	P	12/05/2024	13:53	LB133769
	Copper	512	510	100	95 - 105	P	12/05/2024	13:53	LB133769
	Iron	9730	10000	97	95 - 105	P	12/05/2024	13:53	LB133769
	Lead	986	1000	99	95 - 105	P	12/05/2024	13:53	LB133769
	Magnesium	5850	6000	98	95 - 105	P	12/05/2024	13:53	LB133769
	Manganese	519	520	100	95 - 105	P	12/05/2024	13:53	LB133769
	Nickel	508	530	96	95 - 105	P	12/05/2024	13:53	LB133769
	Potassium	9590	9900	97	95 - 105	P	12/05/2024	13:53	LB133769
	Selenium	999	1000	100	95 - 105	P	12/05/2024	13:53	LB133769
	Silver	250	250	100	95 - 105	P	12/05/2024	13:53	LB133769
	Sodium	9810	10000	98	95 - 105	P	12/05/2024	13:53	LB133769
	Thallium	1010	1000	101	95 - 105	P	12/05/2024	13:53	LB133769
	Vanadium	508	500	102	95 - 105	P	12/05/2024	13:53	LB133769
	Zinc	1020	1000	102	95 - 105	P	12/05/2024	13:53	LB133769

Metals

- 2a -

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Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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	99.5	100	100	80 - 120	P	12/05/2024	14:05	LB133769
	Antimony	47.1	50.0	94	80 - 120	P	12/05/2024	14:05	LB133769
	Arsenic	20.4	20.0	102	80 - 120	P	12/05/2024	14:05	LB133769
	Barium	102	100	102	80 - 120	P	12/05/2024	14:05	LB133769
	Beryllium	6.14	6.0	102	80 - 120	P	12/05/2024	14:05	LB133769
	Cadmium	5.99	6.0	100	80 - 120	P	12/05/2024	14:05	LB133769
	Calcium	2050	2000	102	80 - 120	P	12/05/2024	14:05	LB133769
	Chromium	9.91	10.0	99	80 - 120	P	12/05/2024	14:05	LB133769
	Cobalt	29.7	30.0	99	80 - 120	P	12/05/2024	14:05	LB133769
	Copper	21.8	20.0	109	80 - 120	P	12/05/2024	14:05	LB133769
	Iron	98.7	100	99	80 - 120	P	12/05/2024	14:05	LB133769
	Lead	11.8	12.0	98	80 - 120	P	12/05/2024	14:05	LB133769
	Magnesium	2150	2000	108	80 - 120	P	12/05/2024	14:05	LB133769
	Manganese	21.1	20.0	105	80 - 120	P	12/05/2024	14:05	LB133769
	Nickel	39.7	40.0	99	80 - 120	P	12/05/2024	14:05	LB133769
	Potassium	1950	2000	97	80 - 120	P	12/05/2024	14:05	LB133769
	Selenium	18.9	20.0	94	80 - 120	P	12/05/2024	14:05	LB133769
	Silver	10.1	10.0	101	80 - 120	P	12/05/2024	14:05	LB133769
	Sodium	1970	2000	98	80 - 120	P	12/05/2024	14:05	LB133769
	Thallium	41.8	40.0	105	80 - 120	P	12/05/2024	14:05	LB133769
	Vanadium	42.0	40.0	105	80 - 120	P	12/05/2024	14:05	LB133769
	Zinc	42.9	40.0	107	80 - 120	P	12/05/2024	14:05	LB133769

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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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	9910	10000	99	90 - 110	P	12/05/2024	14:45	LB133769
	Antimony	4930	5000	98	90 - 110	P	12/05/2024	14:45	LB133769
	Arsenic	4940	5000	99	90 - 110	P	12/05/2024	14:45	LB133769
	Barium	9980	10000	100	90 - 110	P	12/05/2024	14:45	LB133769
	Beryllium	247	250	99	90 - 110	P	12/05/2024	14:45	LB133769
	Cadmium	2450	2500	98	90 - 110	P	12/05/2024	14:45	LB133769
	Calcium	24500	25000	98	90 - 110	P	12/05/2024	14:45	LB133769
	Chromium	996	1000	100	90 - 110	P	12/05/2024	14:45	LB133769
	Cobalt	2440	2500	98	90 - 110	P	12/05/2024	14:45	LB133769
	Copper	1250	1250	100	90 - 110	P	12/05/2024	14:45	LB133769
	Iron	4910	5000	98	90 - 110	P	12/05/2024	14:45	LB133769
	Lead	4910	5000	98	90 - 110	P	12/05/2024	14:45	LB133769
	Magnesium	24400	25000	98	90 - 110	P	12/05/2024	14:45	LB133769
	Manganese	2450	2500	98	90 - 110	P	12/05/2024	14:45	LB133769
	Nickel	2450	2500	98	90 - 110	P	12/05/2024	14:45	LB133769
	Potassium	24900	25000	100	90 - 110	P	12/05/2024	14:45	LB133769
	Selenium	4970	5000	99	90 - 110	P	12/05/2024	14:45	LB133769
	Silver	1230	1250	98	90 - 110	P	12/05/2024	14:45	LB133769
	Sodium	25500	25000	102	90 - 110	P	12/05/2024	14:45	LB133769
	Thallium	4890	5000	98	90 - 110	P	12/05/2024	14:45	LB133769
	Vanadium	2470	2500	99	90 - 110	P	12/05/2024	14:45	LB133769
	Zinc	2510	2500	100	90 - 110	P	12/05/2024	14:45	LB133769
CCV02	Aluminum	9550	10000	96	90 - 110	P	12/05/2024	15:34	LB133769
	Antimony	4740	5000	95	90 - 110	P	12/05/2024	15:34	LB133769
	Arsenic	4770	5000	95	90 - 110	P	12/05/2024	15:34	LB133769
	Barium	9480	10000	95	90 - 110	P	12/05/2024	15:34	LB133769
	Beryllium	256	250	102	90 - 110	P	12/05/2024	15:34	LB133769
	Cadmium	2500	2500	100	90 - 110	P	12/05/2024	15:34	LB133769
	Calcium	25500	25000	102	90 - 110	P	12/05/2024	15:34	LB133769
	Chromium	1010	1000	102	90 - 110	P	12/05/2024	15:34	LB133769
	Cobalt	2480	2500	99	90 - 110	P	12/05/2024	15:34	LB133769
	Copper	1200	1250	96	90 - 110	P	12/05/2024	15:34	LB133769
	Iron	4950	5000	99	90 - 110	P	12/05/2024	15:34	LB133769
	Lead	4970	5000	99	90 - 110	P	12/05/2024	15:34	LB133769

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- 2a -

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Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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	24900	25000	100	90 - 110	P	12/05/2024	15:34	LB133769
	Manganese	2510	2500	100	90 - 110	P	12/05/2024	15:34	LB133769
	Nickel	2480	2500	99	90 - 110	P	12/05/2024	15:34	LB133769
	Potassium	22600	25000	90	90 - 110	P	12/05/2024	15:34	LB133769
	Selenium	4780	5000	96	90 - 110	P	12/05/2024	15:34	LB133769
	Silver	1230	1250	98	90 - 110	P	12/05/2024	15:34	LB133769
	Sodium	22800	25000	91	90 - 110	P	12/05/2024	15:34	LB133769
	Thallium	4980	5000	100	90 - 110	P	12/05/2024	15:34	LB133769
	Vanadium	2490	2500	100	90 - 110	P	12/05/2024	15:34	LB133769
	Zinc	2450	2500	98	90 - 110	P	12/05/2024	15:34	LB133769
CCV03	Aluminum	9830	10000	98	90 - 110	P	12/05/2024	16:42	LB133769
	Antimony	4840	5000	97	90 - 110	P	12/05/2024	16:42	LB133769
	Arsenic	4860	5000	97	90 - 110	P	12/05/2024	16:42	LB133769
	Barium	9790	10000	98	90 - 110	P	12/05/2024	16:42	LB133769
	Beryllium	256	250	102	90 - 110	P	12/05/2024	16:42	LB133769
	Cadmium	2520	2500	101	90 - 110	P	12/05/2024	16:42	LB133769
	Calcium	25300	25000	101	90 - 110	P	12/05/2024	16:42	LB133769
	Chromium	1020	1000	102	90 - 110	P	12/05/2024	16:42	LB133769
	Cobalt	2500	2500	100	90 - 110	P	12/05/2024	16:42	LB133769
	Copper	1220	1250	98	90 - 110	P	12/05/2024	16:42	LB133769
	Iron	4940	5000	99	90 - 110	P	12/05/2024	16:42	LB133769
	Lead	5020	5000	100	90 - 110	P	12/05/2024	16:42	LB133769
	Magnesium	25000	25000	100	90 - 110	P	12/05/2024	16:42	LB133769
	Manganese	2500	2500	100	90 - 110	P	12/05/2024	16:42	LB133769
	Nickel	2500	2500	100	90 - 110	P	12/05/2024	16:42	LB133769
	Potassium	23700	25000	95	90 - 110	P	12/05/2024	16:42	LB133769
	Selenium	4890	5000	98	90 - 110	P	12/05/2024	16:42	LB133769
	Silver	1240	1250	99	90 - 110	P	12/05/2024	16:42	LB133769
	Sodium	24100	25000	96	90 - 110	P	12/05/2024	16:42	LB133769
	Thallium	5160	5000	103	90 - 110	P	12/05/2024	16:42	LB133769
	Vanadium	2500	2500	100	90 - 110	P	12/05/2024	16:42	LB133769
	Zinc	2520	2500	101	90 - 110	P	12/05/2024	16:42	LB133769
CCV04	Aluminum	9350	10000	94	90 - 110	P	12/05/2024	17:41	LB133769
	Antimony	4630	5000	93	90 - 110	P	12/05/2024	17:41	LB133769

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068

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	4670	5000	94	90 - 110	P	12/05/2024	17:41	LB133769
	Barium	9340	10000	93	90 - 110	P	12/05/2024	17:41	LB133769
	Beryllium	255	250	102	90 - 110	P	12/05/2024	17:41	LB133769
	Cadmium	2480	2500	99	90 - 110	P	12/05/2024	17:41	LB133769
	Calcium	25000	25000	100	90 - 110	P	12/05/2024	17:41	LB133769
	Chromium	997	1000	100	90 - 110	P	12/05/2024	17:41	LB133769
	Cobalt	2440	2500	98	90 - 110	P	12/05/2024	17:41	LB133769
	Copper	1170	1250	94	90 - 110	P	12/05/2024	17:41	LB133769
	Iron	4760	5000	95	90 - 110	P	12/05/2024	17:41	LB133769
	Lead	4910	5000	98	90 - 110	P	12/05/2024	17:41	LB133769
	Magnesium	24300	25000	97	90 - 110	P	12/05/2024	17:41	LB133769
	Manganese	2450	2500	98	90 - 110	P	12/05/2024	17:41	LB133769
	Nickel	2450	2500	98	90 - 110	P	12/05/2024	17:41	LB133769
	Potassium	26100	25000	104	90 - 110	P	12/05/2024	17:41	LB133769
	Selenium	4700	5000	94	90 - 110	P	12/05/2024	17:41	LB133769
	Silver	1200	1250	96	90 - 110	P	12/05/2024	17:41	LB133769
	Sodium	25600	25000	102	90 - 110	P	12/05/2024	17:41	LB133769
	Thallium	5020	5000	100	90 - 110	P	12/05/2024	17:41	LB133769
	Vanadium	2440	2500	97	90 - 110	P	12/05/2024	17:41	LB133769
	Zinc	2380	2500	95	90 - 110	P	12/05/2024	17:41	LB133769
CCV05	Aluminum	9350	10000	94	90 - 110	P	12/05/2024	18:39	LB133769
	Antimony	4500	5000	90	90 - 110	P	12/05/2024	18:39	LB133769
	Arsenic	4580	5000	92	90 - 110	P	12/05/2024	18:39	LB133769
	Barium	9210	10000	92	90 - 110	P	12/05/2024	18:39	LB133769
	Beryllium	266	250	106	90 - 110	P	12/05/2024	18:39	LB133769
	Cadmium	2540	2500	102	90 - 110	P	12/05/2024	18:39	LB133769
	Calcium	25500	25000	102	90 - 110	P	12/05/2024	18:39	LB133769
	Chromium	1030	1000	103	90 - 110	P	12/05/2024	18:39	LB133769
	Cobalt	2490	2500	99	90 - 110	P	12/05/2024	18:39	LB133769
	Copper	1140	1250	91	90 - 110	P	12/05/2024	18:39	LB133769
	Iron	4770	5000	95	90 - 110	P	12/05/2024	18:39	LB133769
	Lead	5000	5000	100	90 - 110	P	12/05/2024	18:39	LB133769
	Magnesium	24800	25000	99	90 - 110	P	12/05/2024	18:39	LB133769
	Manganese	2470	2500	99	90 - 110	P	12/05/2024	18:39	LB133769

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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	2490	2500	99	90 - 110	P	12/05/2024	18:39	LB133769
	Potassium	25400	25000	102	90 - 110	P	12/05/2024	18:39	LB133769
	Selenium	4560	5000	91	90 - 110	P	12/05/2024	18:39	LB133769
	Silver	1210	1250	97	90 - 110	P	12/05/2024	18:39	LB133769
	Sodium	24800	25000	99	90 - 110	P	12/05/2024	18:39	LB133769
	Thallium	5080	5000	102	90 - 110	P	12/05/2024	18:39	LB133769
	Vanadium	2460	2500	98	90 - 110	P	12/05/2024	18:39	LB133769
	Zinc	2390	2500	96	90 - 110	P	12/05/2024	18:39	LB133769
CCV06	Aluminum	9230	10000	92	90 - 110	P	12/05/2024	19:45	LB133769
	Antimony	4550	5000	91	90 - 110	P	12/05/2024	19:45	LB133769
	Arsenic	4640	5000	93	90 - 110	P	12/05/2024	19:45	LB133769
	Barium	9070	10000	91	90 - 110	P	12/05/2024	19:45	LB133769
	Beryllium	270	250	108	90 - 110	P	12/05/2024	19:45	LB133769
	Cadmium	2590	2500	104	90 - 110	P	12/05/2024	19:45	LB133769
	Calcium	25600	25000	102	90 - 110	P	12/05/2024	19:45	LB133769
	Chromium	1030	1000	103	90 - 110	P	12/05/2024	19:45	LB133769
	Cobalt	2530	2500	101	90 - 110	P	12/05/2024	19:45	LB133769
	Copper	1160	1250	92	90 - 110	P	12/05/2024	19:45	LB133769
	Iron	4750	5000	95	90 - 110	P	12/05/2024	19:45	LB133769
	Lead	5080	5000	102	90 - 110	P	12/05/2024	19:45	LB133769
	Magnesium	24800	25000	99	90 - 110	P	12/05/2024	19:45	LB133769
	Manganese	2490	2500	100	90 - 110	P	12/05/2024	19:45	LB133769
	Nickel	2530	2500	101	90 - 110	P	12/05/2024	19:45	LB133769
	Potassium	24800	25000	99	90 - 110	P	12/05/2024	19:45	LB133769
	Selenium	4610	5000	92	90 - 110	P	12/05/2024	19:45	LB133769
	Silver	1210	1250	97	90 - 110	P	12/05/2024	19:45	LB133769
	Sodium	23900	25000	96	90 - 110	P	12/05/2024	19:45	LB133769
	Thallium	5080	5000	102	90 - 110	P	12/05/2024	19:45	LB133769
	Vanadium	2460	2500	98	90 - 110	P	12/05/2024	19:45	LB133769
	Zinc	2360	2500	95	90 - 110	P	12/05/2024	19:45	LB133769
CCV07	Aluminum	9400	10000	94	90 - 110	P	12/05/2024	20:23	LB133769
	Antimony	4510	5000	90	90 - 110	P	12/05/2024	20:23	LB133769
	Arsenic	4600	5000	92	90 - 110	P	12/05/2024	20:23	LB133769
	Barium	9140	10000	91	90 - 110	P	12/05/2024	20:23	LB133769

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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	264	250	106	90 - 110	P	12/05/2024	20:23	LB133769
	Cadmium	2600	2500	104	90 - 110	P	12/05/2024	20:23	LB133769
	Calcium	26300	25000	105	90 - 110	P	12/05/2024	20:23	LB133769
	Chromium	1050	1000	105	90 - 110	P	12/05/2024	20:23	LB133769
	Cobalt	2530	2500	101	90 - 110	P	12/05/2024	20:23	LB133769
	Copper	1150	1250	92	90 - 110	P	12/05/2024	20:23	LB133769
	Iron	4830	5000	97	90 - 110	P	12/05/2024	20:23	LB133769
	Lead	5080	5000	102	90 - 110	P	12/05/2024	20:23	LB133769
	Magnesium	25600	25000	102	90 - 110	P	12/05/2024	20:23	LB133769
	Manganese	2540	2500	101	90 - 110	P	12/05/2024	20:23	LB133769
	Nickel	2540	2500	102	90 - 110	P	12/05/2024	20:23	LB133769
	Potassium	25200	25000	101	90 - 110	P	12/05/2024	20:23	LB133769
	Selenium	4550	5000	91	90 - 110	P	12/05/2024	20:23	LB133769
	Silver	1230	1250	98	90 - 110	P	12/05/2024	20:23	LB133769
	Sodium	24900	25000	100	90 - 110	P	12/05/2024	20:23	LB133769
	Thallium	5080	5000	102	90 - 110	P	12/05/2024	20:23	LB133769
	Vanadium	2510	2500	101	90 - 110	P	12/05/2024	20:23	LB133769
	Zinc	2430	2500	97	90 - 110	P	12/05/2024	20:23	LB133769

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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.: P5068

Contract: NEWY17

Lab Code: CHEM

Case No.: P5068

SAS No.: P5068

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.:** P5068

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068

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.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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.:** P5068

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068

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.:** P5068
Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5068 **SAS No.:** P5068
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