

LAB CHRONICLE

OrderID:	Q2592	OrderDate:	7/11/2025 3:05:25 PM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Edison - East River Site 2
Contact:	Zohar Lavy	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2592-01	WC-SOIL-20250711	SOIL			07/11/25			07/11/25
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-Group1	6010D		07/14/25	07/17/25	
Q2592-02	WC-SOIL-20250711	TCLP			07/11/25			07/11/25
			TCLP ICP Metals	6010D		07/16/25	07/17/25	
			TCLP Mercury	7470A		07/16/25	07/17/25	

Hit Summary Sheet SW-846

SDG No.: Q2592 **Order ID:** Q2592
Client: PARSONS Engineering of New York, Inc. **Project ID:** Con Edison - East River Site 2

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-SOIL-20250711								
Q2592-01	WC-SOIL-20250711	SOIL	Aluminum	3900		0.98	5.85	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Antimony	5.07		0.26	2.92	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Arsenic	5.85		0.22	1.17	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Barium	59.6		0.85	5.85	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Beryllium	0.87		0.029	0.35	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Cadmium	1.30		0.028	0.35	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Calcium	39100		13.0	117	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Chromium	42.8		0.055	0.59	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Cobalt	10.3		0.12	1.75	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Copper	192		0.26	1.17	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Iron	38700		4.67	5.85	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Lead	153		0.15	0.70	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Magnesium	20300		14.0	117	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Manganese	281		0.16	1.17	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Mercury	0.096		0.0090	0.016	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Nickel	33.6		0.15	2.34	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Potassium	927		32.4	117	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Selenium	7.53		0.30	1.17	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Sodium	264		20.8	117	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Vanadium	29.5		0.29	2.34	mg/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Zinc	923		0.13	2.34	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711	SDG No.:	Q2592
Lab Sample ID:	Q2592-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3900		1	0.98	5.85	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-36-0	Antimony	5.07	N	1	0.26	2.92	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-38-2	Arsenic	5.85		1	0.22	1.17	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-39-3	Barium	59.6		1	0.85	5.85	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-41-7	Beryllium	0.87		1	0.029	0.35	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-43-9	Cadmium	1.30		1	0.028	0.35	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-70-2	Calcium	39100		1	13.0	117	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-47-3	Chromium	42.8		1	0.055	0.59	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-48-4	Cobalt	10.3		1	0.12	1.75	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-50-8	Copper	192	N	1	0.26	1.17	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7439-89-6	Iron	38700		1	4.67	5.85	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7439-92-1	Lead	153		1	0.15	0.70	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7439-95-4	Magnesium	20300		1	14.0	117	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7439-96-5	Manganese	281		1	0.16	1.17	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7439-97-6	Mercury	0.096	N	1	0.0090	0.016	mg/Kg	07/15/25 15:40	07/16/25 12:48	7471B	
7440-02-0	Nickel	33.6		1	0.15	2.34	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-09-7	Potassium	927		1	32.4	117	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7782-49-2	Selenium	7.53		1	0.30	1.17	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-22-4	Silver	0.59	UN	1	0.14	0.59	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-23-5	Sodium	264		1	20.8	117	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-28-0	Thallium	2.34	U	1	0.27	2.34	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-62-2	Vanadium	29.5		1	0.29	2.34	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050
7440-66-6	Zinc	923	N	1	0.13	2.34	mg/Kg	07/14/25 16:10	07/17/25 18:06	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group1			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

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
ICV29	Mercury	4.07	4.0	102	90 - 110	CV	07/16/2025	11:56	LB136499

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

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
CCV09	Mercury	5.31	5.0	106	90 - 110	CV	07/16/2025	12:01	LB136499
CCV10	Mercury	5.27	5.0	105	90 - 110	CV	07/16/2025	12:38	LB136499
CCV11	Mercury	5.28	5.0	106	90 - 110	CV	07/16/2025	13:12	LB136499
CCV12	Mercury	5.09	5.0	102	90 - 110	CV	07/16/2025	13:40	LB136499
CCV13	Mercury	5.13	5.0	103	90 - 110	CV	07/16/2025	14:07	LB136499
CCV14	Mercury	5.04	5.0	101	90 - 110	CV	07/16/2025	14:25	LB136499

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

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	7880	8000	98	90 - 110	P	07/17/2025	14:14	LB136534
	Antimony	4110	4000	103	90 - 110	P	07/17/2025	14:14	LB136534
	Arsenic	3840	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Barium	8020	8000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Beryllium	200	200	100	90 - 110	P	07/17/2025	14:14	LB136534
	Cadmium	1950	2000	97	90 - 110	P	07/17/2025	14:14	LB136534
	Calcium	19900	20000	99	90 - 110	P	07/17/2025	14:14	LB136534
	Chromium	791	800	99	90 - 110	P	07/17/2025	14:14	LB136534
	Cobalt	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Copper	1020	1000	102	90 - 110	P	07/17/2025	14:14	LB136534
	Iron	3850	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Lead	3860	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Magnesium	20100	20000	101	90 - 110	P	07/17/2025	14:14	LB136534
	Manganese	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Nickel	1990	2000	99	90 - 110	P	07/17/2025	14:14	LB136534
	Potassium	18100	20000	91	90 - 110	P	07/17/2025	14:14	LB136534
	Selenium	3940	4000	98	90 - 110	P	07/17/2025	14:14	LB136534
	Silver	936	1000	94	90 - 110	P	07/17/2025	14:14	LB136534
	Sodium	18700	20000	94	90 - 110	P	07/17/2025	14:14	LB136534
	Thallium	3850	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Vanadium	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Zinc	2010	2000	100	90 - 110	P	07/17/2025	14:14	LB136534

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

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	119	100	119	80 - 120	P	07/17/2025	14:24	LB136534
	Antimony	52.4	50.0	105	80 - 120	P	07/17/2025	14:24	LB136534
	Arsenic	16.9	20.0	84	80 - 120	P	07/17/2025	14:24	LB136534
	Barium	102	100	102	80 - 120	P	07/17/2025	14:24	LB136534
	Beryllium	6.21	6.0	104	80 - 120	P	07/17/2025	14:24	LB136534
	Cadmium	5.65	6.0	94	80 - 120	P	07/17/2025	14:24	LB136534
	Calcium	2050	2000	103	80 - 120	P	07/17/2025	14:24	LB136534
	Chromium	10.2	10.0	102	80 - 120	P	07/17/2025	14:24	LB136534
	Cobalt	30.3	30.0	101	80 - 120	P	07/17/2025	14:24	LB136534
	Copper	21.3	20.0	107	80 - 120	P	07/17/2025	14:24	LB136534
	Iron	110	100	110	80 - 120	P	07/17/2025	14:24	LB136534
	Lead	10.9	12.0	91	80 - 120	P	07/17/2025	14:24	LB136534
	Magnesium	2220	2000	111	80 - 120	P	07/17/2025	14:24	LB136534
	Manganese	21.1	20.0	106	80 - 120	P	07/17/2025	14:24	LB136534
	Nickel	39.7	40.0	99	80 - 120	P	07/17/2025	14:24	LB136534
	Potassium	1740	2000	87	80 - 120	P	07/17/2025	14:24	LB136534
	Selenium	17.6	20.0	88	80 - 120	P	07/17/2025	14:24	LB136534
	Silver	10.5	10.0	105	80 - 120	P	07/17/2025	14:24	LB136534
	Sodium	1750	2000	87	80 - 120	P	07/17/2025	14:24	LB136534
	Thallium	41.1	40.0	103	80 - 120	P	07/17/2025	14:24	LB136534
	Vanadium	40.0	40.0	100	80 - 120	P	07/17/2025	14:24	LB136534
	Zinc	42.6	40.0	106	80 - 120	P	07/17/2025	14:24	LB136534

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

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	9950	10000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Antimony	5020	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Arsenic	4950	5000	99	90 - 110	P	07/17/2025	14:56	LB136534
	Barium	10100	10000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Beryllium	254	250	102	90 - 110	P	07/17/2025	14:56	LB136534
	Cadmium	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Calcium	25100	25000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Chromium	1020	1000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Cobalt	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Copper	1260	1250	101	90 - 110	P	07/17/2025	14:56	LB136534
	Iron	5020	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Lead	4990	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Magnesium	25100	25000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Manganese	2510	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Nickel	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Potassium	25400	25000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Selenium	5010	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Silver	1270	1250	102	90 - 110	P	07/17/2025	14:56	LB136534
	Sodium	25400	25000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Thallium	5050	5000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Vanadium	2510	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Zinc	2520	2500	101	90 - 110	P	07/17/2025	14:56	LB136534
CCV02	Aluminum	9800	10000	98	90 - 110	P	07/17/2025	15:44	LB136534
	Antimony	4760	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Arsenic	4730	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Barium	9920	10000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Beryllium	250	250	100	90 - 110	P	07/17/2025	15:44	LB136534
	Cadmium	2410	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Calcium	24700	25000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Chromium	986	1000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Cobalt	2390	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Copper	1240	1250	100	90 - 110	P	07/17/2025	15:44	LB136534
	Iron	4950	5000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Lead	4810	5000	96	90 - 110	P	07/17/2025	15:44	LB136534

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

Contract: PARS02

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2592

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24500	25000	98	90 - 110	P	07/17/2025	15:44	LB136534
	Manganese	2470	2500	99	90 - 110	P	07/17/2025	15:44	LB136534
	Nickel	2400	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Potassium	24700	25000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Selenium	4770	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Silver	1230	1250	98	90 - 110	P	07/17/2025	15:44	LB136534
	Sodium	24900	25000	100	90 - 110	P	07/17/2025	15:44	LB136534
	Thallium	4820	5000	96	90 - 110	P	07/17/2025	15:44	LB136534
	Vanadium	2450	2500	98	90 - 110	P	07/17/2025	15:44	LB136534
	Zinc	2440	2500	98	90 - 110	P	07/17/2025	15:44	LB136534
CCV03	Aluminum	10100	10000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Antimony	4980	5000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Arsenic	4960	5000	99	90 - 110	P	07/17/2025	17:18	LB136534
	Barium	10100	10000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Beryllium	258	250	103	90 - 110	P	07/17/2025	17:18	LB136534
	Cadmium	2520	2500	101	90 - 110	P	07/17/2025	17:18	LB136534
	Calcium	25300	25000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Chromium	1020	1000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Cobalt	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Copper	1280	1250	103	90 - 110	P	07/17/2025	17:18	LB136534
	Iron	5110	5000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Lead	5040	5000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Magnesium	25000	25000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Manganese	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Nickel	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Potassium	25600	25000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Selenium	4980	5000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Silver	1270	1250	101	90 - 110	P	07/17/2025	17:18	LB136534
	Sodium	25800	25000	103	90 - 110	P	07/17/2025	17:18	LB136534
	Thallium	5050	5000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Vanadium	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Zinc	2500	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
CCV04	Aluminum	10000	10000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

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	4880	5000	98	90 - 110	P	07/17/2025	18:45	LB136534
	Barium	10200	10000	102	90 - 110	P	07/17/2025	18:45	LB136534
	Beryllium	246	250	98	90 - 110	P	07/17/2025	18:45	LB136534
	Cadmium	2470	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Calcium	25000	25000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Chromium	1010	1000	101	90 - 110	P	07/17/2025	18:45	LB136534
	Cobalt	2480	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Copper	1240	1250	99	90 - 110	P	07/17/2025	18:45	LB136534
	Iron	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Lead	4940	5000	99	90 - 110	P	07/17/2025	18:45	LB136534
	Magnesium	24600	25000	98	90 - 110	P	07/17/2025	18:45	LB136534
	Manganese	2450	2500	98	90 - 110	P	07/17/2025	18:45	LB136534
	Nickel	2490	2500	100	90 - 110	P	07/17/2025	18:45	LB136534
	Potassium	23500	25000	94	90 - 110	P	07/17/2025	18:45	LB136534
	Selenium	4950	5000	99	90 - 110	P	07/17/2025	18:45	LB136534
	Silver	1240	1250	99	90 - 110	P	07/17/2025	18:45	LB136534
	Sodium	24000	25000	96	90 - 110	P	07/17/2025	18:45	LB136534
	Thallium	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Vanadium	2470	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Zinc	2490	2500	100	90 - 110	P	07/17/2025	18:45	LB136534
CCV05	Aluminum	10100	10000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Arsenic	5000	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Barium	10300	10000	103	90 - 110	P	07/17/2025	20:11	LB136534
	Beryllium	247	250	99	90 - 110	P	07/17/2025	20:11	LB136534
	Cadmium	2550	2500	102	90 - 110	P	07/17/2025	20:11	LB136534
	Calcium	25200	25000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Chromium	1010	1000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Cobalt	2510	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
	Copper	1240	1250	99	90 - 110	P	07/17/2025	20:11	LB136534
	Iron	5000	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Lead	5070	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Magnesium	24600	25000	99	90 - 110	P	07/17/2025	20:11	LB136534
	Manganese	2470	2500	99	90 - 110	P	07/17/2025	20:11	LB136534

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

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	2520	2500	101	90 - 110	P	07/17/2025	20:11	LB136534
	Potassium	25100	25000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Selenium	5040	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Silver	1250	1250	100	90 - 110	P	07/17/2025	20:11	LB136534
	Sodium	25500	25000	102	90 - 110	P	07/17/2025	20:11	LB136534
	Thallium	5070	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Vanadium	2490	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
	Zinc	2500	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
CCV06	Aluminum	10300	10000	103	90 - 110	P	07/17/2025	20:46	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Arsenic	4910	5000	98	90 - 110	P	07/17/2025	20:46	LB136534
	Barium	10400	10000	104	90 - 110	P	07/17/2025	20:46	LB136534
	Beryllium	252	250	101	90 - 110	P	07/17/2025	20:46	LB136534
	Cadmium	2500	2500	100	90 - 110	P	07/17/2025	20:46	LB136534
	Calcium	25300	25000	101	90 - 110	P	07/17/2025	20:46	LB136534
	Chromium	1000	1000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Cobalt	2480	2500	99	90 - 110	P	07/17/2025	20:46	LB136534
	Copper	1260	1250	101	90 - 110	P	07/17/2025	20:46	LB136534
	Iron	5150	5000	103	90 - 110	P	07/17/2025	20:46	LB136534
	Lead	4960	5000	99	90 - 110	P	07/17/2025	20:46	LB136534
	Magnesium	24900	25000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Manganese	2490	2500	99	90 - 110	P	07/17/2025	20:46	LB136534
	Nickel	2490	2500	100	90 - 110	P	07/17/2025	20:46	LB136534
	Potassium	26800	25000	107	90 - 110	P	07/17/2025	20:46	LB136534
	Selenium	4960	5000	99	90 - 110	P	07/17/2025	20:46	LB136534
	Silver	1240	1250	99	90 - 110	P	07/17/2025	20:46	LB136534
	Sodium	25900	25000	104	90 - 110	P	07/17/2025	20:46	LB136534
	Thallium	5020	5000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Vanadium	2530	2500	101	90 - 110	P	07/17/2025	20:46	LB136534
	Zinc	2510	2500	100	90 - 110	P	07/17/2025	20:46	LB136534

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2592
Contract: PARS02 **Lab Code:** ACE
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.22	0.2	109	70 - 130	CV	07/16/2025	12:06	LB136499
CRI01	Aluminum	101	100	101	65 - 135	P	07/17/2025	14:39	LB136534
	Antimony	54.0	50.0	108	65 - 135	P	07/17/2025	14:39	LB136534
	Arsenic	15.4	20.0	77	65 - 135	P	07/17/2025	14:39	LB136534
	Barium	101	100	102	65 - 135	P	07/17/2025	14:39	LB136534
	Beryllium	6.31	6.0	105	65 - 135	P	07/17/2025	14:39	LB136534
	Cadmium	5.72	6.0	95	65 - 135	P	07/17/2025	14:39	LB136534
	Calcium	2060	2000	103	65 - 135	P	07/17/2025	14:39	LB136534
	Chromium	10.2	10.0	102	65 - 135	P	07/17/2025	14:39	LB136534
	Cobalt	30.4	30.0	101	65 - 135	P	07/17/2025	14:39	LB136534
	Copper	22.2	20.0	111	65 - 135	P	07/17/2025	14:39	LB136534
	Iron	110	100	110	65 - 135	P	07/17/2025	14:39	LB136534
	Lead	11.9	12.0	99	65 - 135	P	07/17/2025	14:39	LB136534
	Magnesium	2300	2000	115	65 - 135	P	07/17/2025	14:39	LB136534
	Manganese	21.5	20.0	108	65 - 135	P	07/17/2025	14:39	LB136534
	Nickel	39.6	40.0	99	65 - 135	P	07/17/2025	14:39	LB136534
	Potassium	1760	2000	88	65 - 135	P	07/17/2025	14:39	LB136534
	Selenium	19.6	20.0	98	65 - 135	P	07/17/2025	14:39	LB136534
	Silver	9.57	10.0	96	65 - 135	P	07/17/2025	14:39	LB136534
	Sodium	1770	2000	88	65 - 135	P	07/17/2025	14:39	LB136534
	Thallium	40.3	40.0	101	65 - 135	P	07/17/2025	14:39	LB136534
	Vanadium	38.6	40.0	96	65 - 135	P	07/17/2025	14:39	LB136534
	Zinc	43.0	40.0	108	65 - 135	P	07/17/2025	14:39	LB136534



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB29	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	11:59	LB136499

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	12:03	LB136499
CCB10	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	12:43	LB136499
CCB11	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	13:14	LB136499
CCB12	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	13:42	LB136499
CCB13	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	14:10	LB136499
CCB14	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	14:28	LB136499

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	44.1	+/-50	J	100	P	07/17/2025	14:29	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	14:29	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	14:29	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	14:29	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	14:29	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	14:29	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	14:29	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	14:29	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	14:29	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	14:29	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	14:29	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	14:29	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	14:29	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	14:29	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	14:29	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	14:29	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	14:29	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	14:29	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	14:29	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	14:29	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	14:29	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	14:29	LB136534

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	34.3	+/-50	J	100	P	07/17/2025	15:01	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	15:01	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	15:01	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	15:01	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	15:01	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	15:01	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	15:01	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	15:01	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	15:01	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	15:01	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	15:01	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	15:01	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	15:01	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	15:01	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	15:01	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	15:01	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	15:01	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	15:01	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	15:01	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	15:01	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	15:01	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	15:01	LB136534
CCB02	Aluminum	20.6	+/-50	J	100	P	07/17/2025	15:49	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	15:49	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	15:49	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	15:49	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	15:49	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	15:49	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	15:49	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	15:49	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	15:49	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	15:49	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	15:49	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	15:49	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	15:49	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	15:49	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	15:49	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	15:49	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	15:49	LB136534

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/17/2025	15:49	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	15:49	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	15:49	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	15:49	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	15:49	LB136534
CCB03	Aluminum	30.1	+/-50	J	100	P	07/17/2025	17:36	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	17:36	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	17:36	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	17:36	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	17:36	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	17:36	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	17:36	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	17:36	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	17:36	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	17:36	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	17:36	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	17:36	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	17:36	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	17:36	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	17:36	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	17:36	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	17:36	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	17:36	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	17:36	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	17:36	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	17:36	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	17:36	LB136534
	Aluminum	27.5	+/-50	J	100	P	07/17/2025	18:50	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	18:50	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	18:50	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	18:50	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	18:50	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	18:50	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	18:50	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	18:50	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	18:50	LB136534
CCB04	Aluminum	27.5	+/-50	J	100	P	07/17/2025	18:50	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	18:50	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	18:50	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	18:50	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	18:50	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	18:50	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	18:50	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	18:50	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	18:50	LB136534

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	18:50	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	18:50	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	18:50	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	18:50	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	18:50	LB136534
CCB05	Aluminum	19.5	+/-50	J	100	P	07/17/2025	20:16	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	20:16	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	20:16	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	20:16	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	20:16	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	20:16	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	20:16	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	20:16	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	20:16	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	20:16	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	20:16	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	20:16	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	20:16	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	20:16	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	20:16	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	20:16	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	20:16	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	20:16	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	20:16	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	20:16	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	20:16	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	20:16	LB136534
CCB06	Aluminum	12.5	+/-50	J	100	P	07/17/2025	20:51	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	20:51	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	20:51	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	20:51	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	20:51	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	20:51	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	20:51	LB136534

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	20:51	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	20:51	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	20:51	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	20:51	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	20:51	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	20:51	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	20:51	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	20:51	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	20:51	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	20:51	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	20:51	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	20:51	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	20:51	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	20:51	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	20:51	LB136534

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168891BL		SOLID		Batch Number:	PB168891		Prep Date:	07/15/2025	
	Mercury	0.0070	<0.013	U	0.013	CV	07/16/2025	12:12	LB136499

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Instrument: P5

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168846BL	SOLID			Batch Number:	PB168846		Prep Date:	07/14/2025	
	Aluminum	2.11	<2.5	J	5.00	P	07/17/2025	18:58	LB136534
	Antimony	0.22	<1.25	U	2.50	P	07/17/2025	18:58	LB136534
	Arsenic	0.19	<0.5	U	1.00	P	07/17/2025	18:58	LB136534
	Barium	0.73	<2.5	U	5.00	P	07/17/2025	18:58	LB136534
	Beryllium	0.025	<0.15	U	0.30	P	07/17/2025	18:58	LB136534
	Cadmium	0.024	<0.15	U	0.30	P	07/17/2025	18:58	LB136534
	Calcium	11.1	<50	U	100	P	07/17/2025	18:58	LB136534
	Chromium	0.047	<0.25	U	0.50	P	07/17/2025	18:58	LB136534
	Cobalt	0.10	<0.75	U	1.50	P	07/17/2025	18:58	LB136534
	Copper	0.22	<0.5	U	1.00	P	07/17/2025	18:58	LB136534
	Iron	3.99	<2.5	U	5.00	P	07/17/2025	18:58	LB136534
	Lead	0.13	<0.3	U	0.60	P	07/17/2025	18:58	LB136534
	Magnesium	12.0	<50	U	100	P	07/17/2025	18:58	LB136534
	Manganese	0.14	<0.5	U	1.00	P	07/17/2025	18:58	LB136534
	Nickel	0.13	<1	U	2.00	P	07/17/2025	18:58	LB136534
	Potassium	27.7	<50	U	100	P	07/17/2025	18:58	LB136534
	Selenium	0.26	<0.5	U	1.00	P	07/17/2025	18:58	LB136534
	Silver	0.12	<0.25	U	0.50	P	07/17/2025	18:58	LB136534
	Sodium	17.8	<50	U	100	P	07/17/2025	18:58	LB136534
	Thallium	0.23	<1	U	2.00	P	07/17/2025	18:58	LB136534
	Vanadium	0.25	<1	U	2.00	P	07/17/2025	18:58	LB136534
	Zinc	0.11	<1	U	2.00	P	07/17/2025	18:58	LB136534

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

ICS Source: EPA

Instrument ID: P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	243000	250000	97	216000	294000	07/17/2025	14:46	LB136534
	Antimony	20.2			-50	50	07/17/2025	14:46	LB136534
	Arsenic	-5.59			-20	20	07/17/2025	14:46	LB136534
	Barium	5.91	6.0	98	-94	106	07/17/2025	14:46	LB136534
	Beryllium	1.12			-6	6	07/17/2025	14:46	LB136534
	Cadmium	-0.95	1.0	95	-5	7	07/17/2025	14:46	LB136534
	Calcium	232000	240000	97	208000	282000	07/17/2025	14:46	LB136534
	Chromium	48.4	52.0	93	42	62	07/17/2025	14:46	LB136534
	Cobalt	21.5			-30	30	07/17/2025	14:46	LB136534
	Copper	-6.18	2.0	309	-18	22	07/17/2025	14:46	LB136534
	Iron	89400	100000	89	85600	116500	07/17/2025	14:46	LB136534
	Lead	1.20			-12	12	07/17/2025	14:46	LB136534
	Magnesium	242000	260000	93	216000	294000	07/17/2025	14:46	LB136534
	Manganese	3.52	7.0	50	-13	27	07/17/2025	14:46	LB136534
	Nickel	1.33	2.0	66	-38	42	07/17/2025	14:46	LB136534
	Potassium	3.55			0	0	07/17/2025	14:46	LB136534
	Selenium	-9.33			-20	20	07/17/2025	14:46	LB136534
	Silver	-1.63			-10	10	07/17/2025	14:46	LB136534
	Sodium	127			0	0	07/17/2025	14:46	LB136534
	Thallium	2.74			-40	40	07/17/2025	14:46	LB136534
	Vanadium	9.54			-40	40	07/17/2025	14:46	LB136534
	Zinc	11.6			-40	40	07/17/2025	14:46	LB136534
ICSAB01	Aluminum	243000	250000	97	209000	285000	07/17/2025	14:51	LB136534
	Antimony	586	620	94	525	711	07/17/2025	14:51	LB136534
	Arsenic	89.5	100	90	88.4	120	07/17/2025	14:51	LB136534
	Barium	490	540	91	437	637	07/17/2025	14:51	LB136534
	Beryllium	480	500	96	420	570	07/17/2025	14:51	LB136534
	Cadmium	954	970	98	826	1120	07/17/2025	14:51	LB136534
	Calcium	233000	230000	101	199000	271000	07/17/2025	14:51	LB136534
	Chromium	528	540	98	460	624	07/17/2025	14:51	LB136534
	Cobalt	493	480	103	404	548	07/17/2025	14:51	LB136534
	Copper	455	510	89	434	588	07/17/2025	14:51	LB136534
	Iron	90300	99000	91	84400	114500	07/17/2025	14:51	LB136534
	Lead	46.7	49.0	95	37	61	07/17/2025	14:51	LB136534
	Magnesium	242000	250000	97	210000	286000	07/17/2025	14:51	LB136534
	Manganese	475	510	93	430	584	07/17/2025	14:51	LB136534
	Nickel	941	950	99	810	1100	07/17/2025	14:51	LB136534
	Potassium	3.18			0	0	07/17/2025	14:51	LB136534
	Selenium	42.8	46.0	93	26	66	07/17/2025	14:51	LB136534
	Silver	204	200	102	170	232	07/17/2025	14:51	LB136534
	Sodium	145			0	0	07/17/2025	14:51	LB136534
	Thallium	91.9	110	84	68	148	07/17/2025	14:51	LB136534

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

ICS Source: EPA

Instrument ID: P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	470	490	96	417	565	07/17/2025	14:51	LB136534
	Zinc	999	950	105	809	1095	07/17/2025	14:51	LB136534



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: PARSONS Engineering of New York, Inc. **level:** low **sdg no.:** Q2592
contract: PARS02 **lab code:** ACE
matrix: Solid **sample id:** Q2590-01 **client id:** NB-07-071125MS

Percent Solids for Sample: 96.6 **Spiked ID:** Q2590-01MS **Percent Solids for Spike Sample:** 96.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5140		4310		95.0	865		P
Antimony	mg/Kg	75 - 125	17.0		1.19	J	38.0	42	N	P
Arsenic	mg/Kg	75 - 125	38.5		1.94		38.0	96		P
Barium	mg/Kg	75 - 125	53.1		45.5		9.5	80		P
Beryllium	mg/Kg	75 - 125	9.16		0.34		9.5	93		P
Cadmium	mg/Kg	75 - 125	9.77		0.25	U	9.5	103		P
Calcium	mg/Kg	75 - 125	2060		2640		47.5	-1218		P
Chromium	mg/Kg	75 - 125	30.4		14.4		19.0	84		P
Cobalt	mg/Kg	75 - 125	16.0		5.95		9.5	106		P
Copper	mg/Kg	75 - 125	37.9		34.9		14.2	21	N	P
Iron	mg/Kg	75 - 125	10500		9610		140	632		P
Lead	mg/Kg	75 - 125	65.6		16.4		47.5	104		P
Magnesium	mg/Kg	75 - 125	3000		3040		95.0	-41		P
Manganese	mg/Kg	75 - 125	227		191		9.5	377		P
Mercury	mg/Kg	80 - 120	0.18		0.027		0.25	61	N	CV
Nickel	mg/Kg	75 - 125	35.7		10.2		23.7	107		P
Potassium	mg/Kg	75 - 125	1600		1210		470	81		P
Selenium	mg/Kg	75 - 125	77.9		2.37		95.0	80		P
Silver	mg/Kg	75 - 125	1.43		0.42	U	3.6	40	N	P
Sodium	mg/Kg	75 - 125	252		110		140	99		P
Thallium	mg/Kg	75 - 125	92.1		1.67	U	95.0	97		P
Vanadium	mg/Kg	75 - 125	28.6		15.1		14.2	95		P
Zinc	mg/Kg	75 - 125	39.1		26.8		9.5	130	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: PARSONS Engineering of New York, Inc. **level:** low **sdg no.:** Q2592
contract: PARS02 **lab code:** ACE
matrix: Solid **sample id:** Q2590-01 **client id:** NB-07-071125MSD
Percent Solids for Sample: 96.6 **Spiked ID:** Q2590-01MSD **Percent Solids for Spike Sample:** 96.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5010		4310		95.9	723		P
Antimony	mg/Kg	75 - 125	16.5		1.19	J	38.3	40	N	P
Arsenic	mg/Kg	75 - 125	38.7		1.94		38.3	96		P
Barium	mg/Kg	75 - 125	52.6		45.5		9.6	74		P
Beryllium	mg/Kg	75 - 125	9.04		0.34		9.6	91		P
Cadmium	mg/Kg	75 - 125	9.80		0.25	U	9.6	102		P
Calcium	mg/Kg	75 - 125	1900		2640		47.9	-1544		P
Chromium	mg/Kg	75 - 125	29.7		14.4		19.2	80		P
Cobalt	mg/Kg	75 - 125	16.0		5.95		9.6	105		P
Copper	mg/Kg	75 - 125	40.8		34.9		14.4	41	N	P
Iron	mg/Kg	75 - 125	10300		9610		140	476		P
Lead	mg/Kg	75 - 125	65.0		16.4		47.9	102		P
Magnesium	mg/Kg	75 - 125	2910		3040		95.9	-140		P
Manganese	mg/Kg	75 - 125	218		191		9.6	280		P
Mercury	mg/Kg	80 - 120	0.20		0.027		0.26	68	N	CV
Nickel	mg/Kg	75 - 125	35.5		10.2		24.0	105		P
Potassium	mg/Kg	75 - 125	1650		1210		480	91		P
Selenium	mg/Kg	75 - 125	77.4		2.37		95.9	78		P
Silver	mg/Kg	75 - 125	1.39		0.42	U	3.6	39	N	P
Sodium	mg/Kg	75 - 125	246		110		140	95		P
Thallium	mg/Kg	75 - 125	92.4		1.67	U	95.9	96		P
Vanadium	mg/Kg	75 - 125	28.7		15.1		14.4	95		P
Zinc	mg/Kg	75 - 125	38.2		26.8		9.6	119		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Matrix: Solid

Level: LOW

Client ID: NB-07-071125A

Sample ID: Q2590-01 **Spiked ID:** Q2590-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	30.3		1.19	J	33.4	87		P
Copper	mg/Kg	75 - 125	44.9		34.9		12.5	80		P
Mercury	mg/Kg	80 - 120	0.26		0.027		0.26	91		CV
Silver	mg/Kg	75 - 125	2.59		0.42	U	3.10	84		P
Zinc	mg/Kg	75 - 125	33.0		26.8		8.30	74	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: PARSONS Engineering of New York, Inc. **Level:** LOW **SDG No.:** Q2592
Contract: PARS02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q2590-01 **Client ID:** NB-07-071125DUP
Percent Solids for Sample: 96.6 **Duplicate ID** Q2590-01DUP **Percent Solids for Spike Sample:** 96.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4310		4530		5		P
Antimony	mg/Kg	20	1.19	J	1.30	J	9		P
Arsenic	mg/Kg	20	1.94		2.16		11		P
Barium	mg/Kg	20	45.5		45.9		1		P
Beryllium	mg/Kg	20	0.34		0.37		7		P
Cadmium	mg/Kg	20	0.25	U	0.27	U			P
Calcium	mg/Kg	20	2640		2850		8		P
Chromium	mg/Kg	20	14.4		15.2		5		P
Cobalt	mg/Kg	20	5.95		6.24		5		P
Copper	mg/Kg	20	34.9		38.0		9		P
Iron	mg/Kg	20	9610		10300		7		P
Lead	mg/Kg	20	16.4		17.7		8		P
Magnesium	mg/Kg	20	3040		3170		4		P
Manganese	mg/Kg	20	191		205		7		P
Mercury	mg/Kg	20	0.027		0.026		4		CV
Nickel	mg/Kg	20	10.2		10.8		5		P
Potassium	mg/Kg	20	1210		1190		2		P
Selenium	mg/Kg	20	2.37		2.53		7		P
Silver	mg/Kg	20	0.42	U	0.45	U			P
Sodium	mg/Kg	20	110		120		9		P
Thallium	mg/Kg	20	1.67	U	1.80	U			P
Vanadium	mg/Kg	20	15.1		15.9		5		P
Zinc	mg/Kg	20	26.8		28.6		6		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: PARSONS Engineering of New York, Inc. **Level:** LOW **SDG No.:** Q2592
Contract: PARS02 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q2590-01MS **Client ID:** NB-07-071125MSD

Percent Solids for Sample: 96.6 **Duplicate ID** Q2590-01MSD **Percent Solids for Spike Sample:** 96.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5140		5010		3		P
Antimony	mg/Kg	20	17.0		16.5		3		P
Arsenic	mg/Kg	20	38.5		38.7		1		P
Barium	mg/Kg	20	53.1		52.6		1		P
Beryllium	mg/Kg	20	9.16		9.04		1		P
Cadmium	mg/Kg	20	9.77		9.80		0		P
Calcium	mg/Kg	20	2060		1900		8		P
Chromium	mg/Kg	20	30.4		29.7		2		P
Cobalt	mg/Kg	20	16.0		16.0		0		P
Copper	mg/Kg	20	37.9		40.8		7		P
Iron	mg/Kg	20	10500		10300		2		P
Lead	mg/Kg	20	65.6		65.0		1		P
Magnesium	mg/Kg	20	3000		2910		3		P
Manganese	mg/Kg	20	227		218		4		P
Mercury	mg/Kg	20	0.18		0.20		12		CV
Nickel	mg/Kg	20	35.7		35.5		1		P
Potassium	mg/Kg	20	1600		1650		3		P
Selenium	mg/Kg	20	77.9		77.4		1		P
Silver	mg/Kg	20	1.43		1.39		3		P
Sodium	mg/Kg	20	252		246		2		P
Thallium	mg/Kg	20	92.1		92.4		0		P
Vanadium	mg/Kg	20	28.6		28.7		0		P
Zinc	mg/Kg	20	39.1		38.2		2		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2592
Contract: PARS02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168846BS							
Aluminum	mg/Kg	100	101		101	80 - 120	P
Antimony	mg/Kg	40.0	40.1		100	80 - 120	P
Arsenic	mg/Kg	40.0	35.5		89	80 - 120	P
Barium	mg/Kg	10.0	10.2		102	80 - 120	P
Beryllium	mg/Kg	10.0	10.3		103	80 - 120	P
Cadmium	mg/Kg	10.0	9.35		94	80 - 120	P
Calcium	mg/Kg	50.0	50.2	J	100	80 - 120	P
Chromium	mg/Kg	20.0	19.6		98	80 - 120	P
Cobalt	mg/Kg	10.0	9.66		97	80 - 120	P
Copper	mg/Kg	15.0	16.0		107	80 - 120	P
Iron	mg/Kg	150	162		108	80 - 120	P
Lead	mg/Kg	50.0	46.8		94	80 - 120	P
Magnesium	mg/Kg	100	101		101	80 - 120	P
Manganese	mg/Kg	10.0	9.98		100	80 - 120	P
Nickel	mg/Kg	25.0	24.3		97	80 - 120	P
Potassium	mg/Kg	500	507		101	80 - 120	P
Selenium	mg/Kg	100	97.2		97	80 - 120	P
Silver	mg/Kg	3.8	3.68		97	80 - 120	P
Sodium	mg/Kg	150	137		91	80 - 120	P
Thallium	mg/Kg	100	98.8		99	80 - 120	P
Vanadium	mg/Kg	15.0	14.6		97	80 - 120	P
Zinc	mg/Kg	10.0	10.4		104	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168891BS Mercury	mg/Kg	0.24	0.24		100	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

NB-07-071125L

Lab Name: Alliance **Contract:** PARS02
Lab Code: ACE **Lb No.:** lb136534 **Lab Sample ID :** Q2590-01L **SDG No.:** Q2592
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Aluminum	4310		4530		5		P
Antimony	1.19	J	1.01	J	15		P
Arsenic	1.94		2.06	J	6		P
Barium	45.5		46.2		2		P
Beryllium	0.34		0.40	J	16		P
Cadmium	0.25	U	1.25	U			P
Calcium	2640		2870		9		P
Chromium	14.4		15.3		6		P
Cobalt	5.95		6.23	J	5		P
Copper	34.9		39.9		14		P
Iron	9610		11800		23		P
Lead	16.4		16.6		1		P
Magnesium	3040		3270		7		P
Manganese	191		206		8		P
Mercury	0.027		0.065	U	100.0		CV
Nickel	10.2		9.53		7		P
Potassium	1210		1100		10		P
Selenium	2.37		2.26	J	4		P
Silver	0.42	U	2.09	U			P
Sodium	110		126	J	14		P
Thallium	1.67	U	8.35	U			P
Vanadium	15.1		15.3		2		P
Zinc	26.8		28.9		8		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2592
Contract: PARS02 **Lab Code:** ACE **Method:** _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168846							
PB168846BL	PB168846BL	MB	SOLID	07/14/2025	2.00	100.0	100.00
PB168846BS	PB168846BS	LCS	SOLID	07/14/2025	2.00	100.0	100.00
Q2590-01DUP	NB-07-071125DUP	DUP	SOLID	07/14/2025	2.30	100.0	96.60
Q2590-01MS	NB-07-071125MS	MS	SOLID	07/14/2025	2.18	100.0	96.60
Q2590-01MSD	NB-07-071125MSD	MSD	SOLID	07/14/2025	2.16	100.0	96.60
Q2592-01	WC-SOIL-20250711	SAM	SOLID	07/14/2025	2.23	100.0	76.70

Metals

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SAMPLE PREPARATION SUMMARY

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2592
Contract: PARS02 **Lab Code:** ACE **Method:** _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168891							
PB168891BL	PB168891BL	MB	SOLID	07/15/2025	0.56	35.0	100.00
PB168891BS	PB168891BS	LCS	SOLID	07/15/2025	0.59	35.0	100.00
Q2590-01DUP	NB-7-071125DUP	DUP	SOLID	07/15/2025	0.57	35.0	96.60
Q2590-01MS	NB-07-071125MS	MS	SOLID	07/15/2025	0.58	35.0	96.60
Q2590-01MSD	NB-07-071125MSD	MSD	SOLID	07/15/2025	0.56	35.0	96.60
Q2592-01	WC-SOIL-20250711	SAM	SOLID	07/15/2025	0.57	35.0	76.70

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ANALYSIS RUN LOG

Client: PARSONS Engineering of New York, Inc.

Contract: PARS02

Lab code: ACE

Sdg no.: Q2592

Instrument id number: **Method:**

Run number: LB136499

Start date: 07/16/2025 **End date:** 07/16/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1142	HG
S0.2	S0.2	1	1144	HG
S2.5	S2.5	1	1146	HG
S5	S5	1	1149	HG
S7.5	S7.5	1	1151	HG
S10	S10	1	1153	HG
ICV29	ICV29	1	1156	HG
ICB29	ICB29	1	1159	HG
CCV09	CCV09	1	1201	HG
CCB09	CCB09	1	1203	HG
CRA	CRA	1	1206	HG
PB168891BL	PB168891BL	1	1212	HG
PB168891BS	PB168891BS	1	1219	HG
Q2590-01DUP	NB-7-071125DUP	1	1234	HG
Q2590-01MS	NB-07-071125MS	1	1236	HG
CCV10	CCV10	1	1238	HG
CCB10	CCB10	1	1243	HG
Q2590-01MSD	NB-07-071125MSD	1	1245	HG
Q2592-01	WC-SOIL-20250711	1	1248	HG
CCV11	CCV11	1	1312	HG
CCB11	CCB11	1	1314	HG
CCV12	CCV12	1	1340	HG
CCB12	CCB12	1	1342	HG
CCV13	CCV13	1	1407	HG
CCB13	CCB13	1	1410	HG
Q2590-01L	NB-7-071125L	5	1414	HG
Q2590-01A	NB-7-071125A	1	1417	HG
CCV14	CCV14	1	1425	HG
CCB14	CCB14	1	1428	HG

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ANALYSIS RUN LOG

Client: PARSONS Engineering of New York, Inc.

Contract: PARS02

Lab code: ACE

Sdg no.: Q2592

Instrument id number: _____

Method: _____

Run number: LB136534

Start date: 07/17/2025

End date: 07/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1328	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1338	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1343	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1348	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1414	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1429	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1446	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1451	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1456	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1501	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1549	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1736	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2592-01	WC-SOIL-20250711	1	1806	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2590-01A	NB-07-071125A	1	1840	Ag,Cu,Sb,Zn
CCV04	CCV04	1	1845	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1850	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168846BL	PB168846BL	1	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168846BS	PB168846BS	1	1916	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2590-01DUP	NB-07-071125DUP	1	1941	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2590-01MS	NB-07-071125MS	1	1951	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2590-01MSD	NB-07-071125MSD	1	1956	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2590-01L	NB-07-071125L	5	2001	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	2011	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2016	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2046	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2051	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn