

LAB CHRONICLE

OrderID:	Q2473	OrderDate:	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	Project:	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	Location:	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	PIT#1	SOIL			07/01/25			07/01/25
			Mercury	7471B		07/02/25	07/03/25	
			Metals ICP-TAL	6010D		07/03/25	07/07/25	
Q2473-02	PIT#2	SOIL			07/01/25			07/01/25
			Mercury	7471B		07/02/25	07/03/25	
			Metals ICP-TAL	6010D		07/03/25	07/09/25	
Q2473-03	PIT#3	SOIL			07/01/25			07/01/25
			Mercury	7471B		07/02/25	07/03/25	
			Metals ICP-TAL	6010D		07/03/25	07/07/25	
Q2473-04	PIT#4	SOIL			07/01/25			07/01/25
			Mercury	7471B		07/02/25	07/03/25	
			Metals ICP-TAL	6010D		07/03/25	07/07/25	
Q2473-05	PIT#1	TCLP			07/01/25			07/01/25
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/07/25	
Q2473-06	PIT#2	TCLP			07/01/25			07/01/25
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/07/25	
Q2473-07	PIT#3	TCLP			07/01/25			07/01/25
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/10/25	
Q2473-08	PIT#4	TCLP			07/01/25			07/01/25
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/10/25	

Hit Summary Sheet
SW-846

SDG No.: Q2473

Order ID: Q2473

Client: JPCL Engineering

Project ID: NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PIT#1								
Q2473-01	PIT#1	SOIL	Aluminum	6190		0.81	4.83	mg/Kg
Q2473-01	PIT#1	SOIL	Antimony	0.30	J	0.21	2.42	mg/Kg
Q2473-01	PIT#1	SOIL	Arsenic	3.56		0.18	0.97	mg/Kg
Q2473-01	PIT#1	SOIL	Barium	79.5		0.71	4.83	mg/Kg
Q2473-01	PIT#1	SOIL	Beryllium	0.44		0.024	0.29	mg/Kg
Q2473-01	PIT#1	SOIL	Cadmium	0.31		0.023	0.29	mg/Kg
Q2473-01	PIT#1	SOIL	Calcium	28500		10.7	96.6	mg/Kg
Q2473-01	PIT#1	SOIL	Chromium	26.4		0.045	0.48	mg/Kg
Q2473-01	PIT#1	SOIL	Cobalt	8.38		0.097	1.45	mg/Kg
Q2473-01	PIT#1	SOIL	Copper	59.4		0.21	0.97	mg/Kg
Q2473-01	PIT#1	SOIL	Iron	15000		3.86	4.83	mg/Kg
Q2473-01	PIT#1	SOIL	Lead	120		0.13	0.58	mg/Kg
Q2473-01	PIT#1	SOIL	Magnesium	4770		11.6	96.6	mg/Kg
Q2473-01	PIT#1	SOIL	Manganese	217		0.14	0.97	mg/Kg
Q2473-01	PIT#1	SOIL	Mercury	0.15		0.0080	0.015	mg/Kg
Q2473-01	PIT#1	SOIL	Nickel	25.1		0.13	1.93	mg/Kg
Q2473-01	PIT#1	SOIL	Potassium	1290		26.8	96.6	mg/Kg
Q2473-01	PIT#1	SOIL	Selenium	0.56	J	0.25	0.97	mg/Kg
Q2473-01	PIT#1	SOIL	Sodium	463		17.2	96.6	mg/Kg
Q2473-01	PIT#1	SOIL	Vanadium	19.9		0.24	1.93	mg/Kg
Q2473-01	PIT#1	SOIL	Zinc	327		0.22	1.93	mg/Kg
Client ID : PIT#2								
Q2473-02	PIT#2	SOIL	Aluminum	5500		0.82	4.87	mg/Kg
Q2473-02	PIT#2	SOIL	Antimony	1.56	J	0.21	2.43	mg/Kg
Q2473-02	PIT#2	SOIL	Arsenic	4.49		0.19	0.97	mg/Kg
Q2473-02	PIT#2	SOIL	Barium	87.7		0.71	4.87	mg/Kg
Q2473-02	PIT#2	SOIL	Beryllium	0.43		0.024	0.29	mg/Kg
Q2473-02	PIT#2	SOIL	Cadmium	0.20	J	0.023	0.29	mg/Kg
Q2473-02	PIT#2	SOIL	Calcium	26600		10.8	97.4	mg/Kg
Q2473-02	PIT#2	SOIL	Chromium	14.5		0.046	0.49	mg/Kg
Q2473-02	PIT#2	SOIL	Cobalt	6.88		0.097	1.46	mg/Kg
Q2473-02	PIT#2	SOIL	Copper	27.5		0.21	0.97	mg/Kg
Q2473-02	PIT#2	SOIL	Iron	11000		3.88	4.87	mg/Kg
Q2473-02	PIT#2	SOIL	Lead	104		0.13	0.58	mg/Kg
Q2473-02	PIT#2	SOIL	Magnesium	3990		11.7	97.4	mg/Kg
Q2473-02	PIT#2	SOIL	Manganese	211		0.14	0.97	mg/Kg
Q2473-02	PIT#2	SOIL	Mercury	0.20		0.0080	0.015	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2473

Order ID: Q2473

Client: JPCL Engineering

Project ID: NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2473-02	PIT#2	SOIL	Nickel	16.6		0.13	1.95	mg/Kg
Q2473-02	PIT#2	SOIL	Potassium	1050		27.0	97.4	mg/Kg
Q2473-02	PIT#2	SOIL	Selenium	1.22		0.25	0.97	mg/Kg
Q2473-02	PIT#2	SOIL	Silver	0.15	J	0.12	0.49	mg/Kg
Q2473-02	PIT#2	SOIL	Sodium	240		17.3	97.4	mg/Kg
Q2473-02	PIT#2	SOIL	Vanadium	20.5		0.24	1.95	mg/Kg
Q2473-02	PIT#2	SOIL	Zinc	90.8		0.11	1.95	mg/Kg

Client ID : PIT#3

Q2473-03	PIT#3	SOIL	Aluminum	4930		0.78	4.64	mg/Kg
Q2473-03	PIT#3	SOIL	Antimony	0.45	J	0.20	2.32	mg/Kg
Q2473-03	PIT#3	SOIL	Arsenic	4.43		0.18	0.93	mg/Kg
Q2473-03	PIT#3	SOIL	Barium	51.8		0.68	4.64	mg/Kg
Q2473-03	PIT#3	SOIL	Beryllium	0.28		0.023	0.28	mg/Kg
Q2473-03	PIT#3	SOIL	Cadmium	0.30		0.022	0.28	mg/Kg
Q2473-03	PIT#3	SOIL	Calcium	23400		10.3	92.7	mg/Kg
Q2473-03	PIT#3	SOIL	Chromium	13.1		0.044	0.46	mg/Kg
Q2473-03	PIT#3	SOIL	Cobalt	4.23		0.093	1.39	mg/Kg
Q2473-03	PIT#3	SOIL	Copper	21.9		0.20	0.93	mg/Kg
Q2473-03	PIT#3	SOIL	Iron	9900		3.70	4.64	mg/Kg
Q2473-03	PIT#3	SOIL	Lead	69.0		0.12	0.56	mg/Kg
Q2473-03	PIT#3	SOIL	Magnesium	5810		11.1	92.7	mg/Kg
Q2473-03	PIT#3	SOIL	Manganese	149		0.13	0.93	mg/Kg
Q2473-03	PIT#3	SOIL	Mercury	0.14		0.0080	0.015	mg/Kg
Q2473-03	PIT#3	SOIL	Nickel	12.6		0.12	1.85	mg/Kg
Q2473-03	PIT#3	SOIL	Potassium	769		25.7	92.7	mg/Kg
Q2473-03	PIT#3	SOIL	Sodium	252		16.5	92.7	mg/Kg
Q2473-03	PIT#3	SOIL	Vanadium	16.4		0.23	1.85	mg/Kg
Q2473-03	PIT#3	SOIL	Zinc	67.6		0.21	1.85	mg/Kg

Client ID : PIT#4

Q2473-04	PIT#4	SOIL	Aluminum	5520		0.85	5.06	mg/Kg
Q2473-04	PIT#4	SOIL	Antimony	0.46	J	0.22	2.53	mg/Kg
Q2473-04	PIT#4	SOIL	Arsenic	5.03		0.19	1.01	mg/Kg
Q2473-04	PIT#4	SOIL	Barium	66.3		0.74	5.06	mg/Kg
Q2473-04	PIT#4	SOIL	Beryllium	0.35		0.025	0.30	mg/Kg
Q2473-04	PIT#4	SOIL	Cadmium	0.29	J	0.024	0.30	mg/Kg
Q2473-04	PIT#4	SOIL	Calcium	32600		11.2	101	mg/Kg
Q2473-04	PIT#4	SOIL	Chromium	16.5		0.048	0.51	mg/Kg
Q2473-04	PIT#4	SOIL	Cobalt	5.72		0.10	1.52	mg/Kg
Q2473-04	PIT#4	SOIL	Copper	24.7		0.22	1.01	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2473

Order ID: Q2473

Client: JPCL Engineering

Project ID: NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2473-04	PIT#4	SOIL	Iron	13300		4.04	5.06	mg/Kg
Q2473-04	PIT#4	SOIL	Lead	87.8		0.13	0.61	mg/Kg
Q2473-04	PIT#4	SOIL	Magnesium	9820		12.1	101	mg/Kg
Q2473-04	PIT#4	SOIL	Manganese	197		0.14	1.01	mg/Kg
Q2473-04	PIT#4	SOIL	Mercury	0.18		0.0080	0.014	mg/Kg
Q2473-04	PIT#4	SOIL	Nickel	18.6		0.13	2.02	mg/Kg
Q2473-04	PIT#4	SOIL	Potassium	1080		28.0	101	mg/Kg
Q2473-04	PIT#4	SOIL	Selenium	0.56	J	0.26	1.01	mg/Kg
Q2473-04	PIT#4	SOIL	Sodium	390		18.0	101	mg/Kg
Q2473-04	PIT#4	SOIL	Vanadium	18.6		0.25	2.02	mg/Kg
Q2473-04	PIT#4	SOIL	Zinc	82.8		0.23	2.02	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6190		1	0.81	4.83	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-36-0	Antimony	0.30	JN	1	0.21	2.42	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-38-2	Arsenic	3.56		1	0.18	0.97	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-39-3	Barium	79.5		1	0.71	4.83	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-41-7	Beryllium	0.44		1	0.024	0.29	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-43-9	Cadmium	0.31		1	0.023	0.29	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-70-2	Calcium	28500	*	1	10.7	96.6	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-47-3	Chromium	26.4		1	0.045	0.48	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-48-4	Cobalt	8.38		1	0.097	1.45	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-50-8	Copper	59.4		1	0.21	0.97	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-89-6	Iron	15000		1	3.86	4.83	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-92-1	Lead	120		1	0.13	0.58	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-95-4	Magnesium	4770		1	11.6	96.6	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-96-5	Manganese	217		1	0.14	0.97	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-97-6	Mercury	0.15		1	0.0080	0.015	mg/Kg	07/02/25 16:25	07/03/25 11:36	7471B	
7440-02-0	Nickel	25.1		1	0.13	1.93	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-09-7	Potassium	1290		1	26.8	96.6	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7782-49-2	Selenium	0.56	JN	1	0.25	0.97	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.48	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-23-5	Sodium	463	N	1	17.2	96.6	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.93	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-62-2	Vanadium	19.9		1	0.24	1.93	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-66-6	Zinc	327		1	0.22	1.93	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5500		1	0.82	4.87	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-36-0	Antimony	1.56	JN	1	0.21	2.43	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-38-2	Arsenic	4.49		1	0.19	0.97	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-39-3	Barium	87.7		1	0.71	4.87	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-41-7	Beryllium	0.43		1	0.024	0.29	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-43-9	Cadmium	0.20	J	1	0.023	0.29	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-70-2	Calcium	26600	*	1	10.8	97.4	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-47-3	Chromium	14.5		1	0.046	0.49	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-48-4	Cobalt	6.88		1	0.097	1.46	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-50-8	Copper	27.5		1	0.21	0.97	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-89-6	Iron	11000		1	3.88	4.87	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-92-1	Lead	104		1	0.13	0.58	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-95-4	Magnesium	3990		1	11.7	97.4	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-96-5	Manganese	211		1	0.14	0.97	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-97-6	Mercury	0.20		1	0.0080	0.015	mg/Kg	07/02/25 16:25	07/03/25 11:38	7471B	
7440-02-0	Nickel	16.6		1	0.13	1.95	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-09-7	Potassium	1050		1	27.0	97.4	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7782-49-2	Selenium	1.22	N	1	0.25	0.97	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-22-4	Silver	0.15	JN	1	0.12	0.49	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-23-5	Sodium	240	N	1	17.3	97.4	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.95	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-62-2	Vanadium	20.5		1	0.24	1.95	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-66-6	Zinc	90.8		1	0.11	1.95	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4930		1	0.78	4.64	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-36-0	Antimony	0.45	JN	1	0.20	2.32	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-38-2	Arsenic	4.43		1	0.18	0.93	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-39-3	Barium	51.8		1	0.68	4.64	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-41-7	Beryllium	0.28		1	0.023	0.28	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-43-9	Cadmium	0.30		1	0.022	0.28	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-70-2	Calcium	23400	*	1	10.3	92.7	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-47-3	Chromium	13.1		1	0.044	0.46	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-48-4	Cobalt	4.23		1	0.093	1.39	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-50-8	Copper	21.9		1	0.20	0.93	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-89-6	Iron	9900		1	3.70	4.64	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-92-1	Lead	69.0		1	0.12	0.56	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-95-4	Magnesium	5810		1	11.1	92.7	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-96-5	Manganese	149		1	0.13	0.93	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-97-6	Mercury	0.14		1	0.0080	0.015	mg/Kg	07/02/25 16:25	07/03/25 11:41	7471B	
7440-02-0	Nickel	12.6		1	0.12	1.85	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-09-7	Potassium	769		1	25.7	92.7	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7782-49-2	Selenium	0.24	UN	1	0.24	0.93	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-22-4	Silver	0.11	UN	1	0.11	0.46	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-23-5	Sodium	252	N	1	16.5	92.7	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-28-0	Thallium	0.21	U	1	0.21	1.85	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-62-2	Vanadium	16.4		1	0.23	1.85	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-66-6	Zinc	67.6		1	0.21	1.85	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5520		1	0.85	5.06	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-36-0	Antimony	0.46	JN	1	0.22	2.53	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-38-2	Arsenic	5.03		1	0.19	1.01	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-39-3	Barium	66.3		1	0.74	5.06	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.025	0.30	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-43-9	Cadmium	0.29	J	1	0.024	0.30	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-70-2	Calcium	32600	*	1	11.2	101	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-47-3	Chromium	16.5		1	0.048	0.51	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-48-4	Cobalt	5.72		1	0.10	1.52	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-50-8	Copper	24.7		1	0.22	1.01	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-89-6	Iron	13300		1	4.04	5.06	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-92-1	Lead	87.8		1	0.13	0.61	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-95-4	Magnesium	9820		1	12.1	101	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-96-5	Manganese	197		1	0.14	1.01	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-97-6	Mercury	0.18		1	0.0080	0.014	mg/Kg	07/02/25 16:25	07/03/25 11:43	7471B	
7440-02-0	Nickel	18.6		1	0.13	2.02	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-09-7	Potassium	1080		1	28.0	101	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7782-49-2	Selenium	0.56	JN	1	0.26	1.01	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.51	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-23-5	Sodium	390	N	1	18.0	101	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.02	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-62-2	Vanadium	18.6		1	0.25	2.02	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-66-6	Zinc	82.8		1	0.23	2.02	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

U = Not Detected
 LOQ = Limit of Quantitation
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 OR = Over Range
 N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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
ICV16	Mercury	4.26	4.0	106	90 - 110	CV	07/03/2025	11:13	LB136369

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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
CCV51	Mercury	5.14	5.0	103	90 - 110	CV	07/03/2025	11:20	LB136369
CCV52	Mercury	5.23	5.0	104	90 - 110	CV	07/03/2025	11:48	LB136369
CCV53	Mercury	5.02	5.0	100	90 - 110	CV	07/03/2025	12:15	LB136369
CCV54	Mercury	5.04	5.0	101	90 - 110	CV	07/03/2025	12:30	LB136369

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	7480	8000	94	90 - 110	P	07/07/2025	13:22	LB136390
	Antimony	4050	4000	101	90 - 110	P	07/07/2025	13:22	LB136390
	Arsenic	3880	4000	97	90 - 110	P	07/07/2025	13:22	LB136390
	Barium	7340	8000	92	90 - 110	P	07/07/2025	13:22	LB136390
	Beryllium	189	200	94	90 - 110	P	07/07/2025	13:22	LB136390
	Cadmium	1950	2000	98	90 - 110	P	07/07/2025	13:22	LB136390
	Calcium	18600	20000	93	90 - 110	P	07/07/2025	13:22	LB136390
	Chromium	804	800	100	90 - 110	P	07/07/2025	13:22	LB136390
	Cobalt	1960	2000	98	90 - 110	P	07/07/2025	13:22	LB136390
	Copper	993	1000	99	90 - 110	P	07/07/2025	13:22	LB136390
	Iron	4060	4000	101	90 - 110	P	07/07/2025	13:22	LB136390
	Lead	3810	4000	95	90 - 110	P	07/07/2025	13:22	LB136390
	Magnesium	18700	20000	94	90 - 110	P	07/07/2025	13:22	LB136390
	Manganese	1870	2000	93	90 - 110	P	07/07/2025	13:22	LB136390
	Nickel	1960	2000	98	90 - 110	P	07/07/2025	13:22	LB136390
	Potassium	20200	20000	101	90 - 110	P	07/07/2025	13:22	LB136390
	Selenium	3890	4000	97	90 - 110	P	07/07/2025	13:22	LB136390
	Silver	1020	1000	102	90 - 110	P	07/07/2025	13:22	LB136390
	Sodium	20400	20000	102	90 - 110	P	07/07/2025	13:22	LB136390
	Thallium	3670	4000	92	90 - 110	P	07/07/2025	13:22	LB136390
	Vanadium	1870	2000	94	90 - 110	P	07/07/2025	13:22	LB136390
	Zinc	1990	2000	100	90 - 110	P	07/07/2025	13:22	LB136390

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	102	100	102	80 - 120	P	07/07/2025	13:41	LB136390
	Antimony	50.5	50.0	101	80 - 120	P	07/07/2025	13:41	LB136390
	Arsenic	22.5	20.0	112	80 - 120	P	07/07/2025	13:41	LB136390
	Barium	92.5	100	92	80 - 120	P	07/07/2025	13:41	LB136390
	Beryllium	5.89	6.0	98	80 - 120	P	07/07/2025	13:41	LB136390
	Cadmium	6.03	6.0	100	80 - 120	P	07/07/2025	13:41	LB136390
	Calcium	1960	2000	98	80 - 120	P	07/07/2025	13:41	LB136390
	Chromium	11.0	10.0	110	80 - 120	P	07/07/2025	13:41	LB136390
	Cobalt	29.7	30.0	99	80 - 120	P	07/07/2025	13:41	LB136390
	Copper	21.6	20.0	108	80 - 120	P	07/07/2025	13:41	LB136390
	Iron	96.2	100	96	80 - 120	P	07/07/2025	13:41	LB136390
	Lead	12.3	12.0	103	80 - 120	P	07/07/2025	13:41	LB136390
	Magnesium	2070	2000	104	80 - 120	P	07/07/2025	13:41	LB136390
	Manganese	20.4	20.0	102	80 - 120	P	07/07/2025	13:41	LB136390
	Nickel	41.6	40.0	104	80 - 120	P	07/07/2025	13:41	LB136390
	Potassium	1810	2000	90	80 - 120	P	07/07/2025	13:41	LB136390
	Selenium	20.1	20.0	101	80 - 120	P	07/07/2025	13:41	LB136390
	Silver	9.83	10.0	98	80 - 120	P	07/07/2025	13:41	LB136390
	Sodium	2000	2000	100	80 - 120	P	07/07/2025	13:41	LB136390
	Thallium	38.6	40.0	96	80 - 120	P	07/07/2025	13:41	LB136390
	Vanadium	38.5	40.0	96	80 - 120	P	07/07/2025	13:41	LB136390
	Zinc	42.7	40.0	107	80 - 120	P	07/07/2025	13:41	LB136390

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

Contract: JPCL01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2473

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9890	10000	99	90 - 110	P	07/07/2025	14:38	LB136390
	Antimony	5080	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Arsenic	5120	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Barium	9860	10000	99	90 - 110	P	07/07/2025	14:38	LB136390
	Beryllium	247	250	99	90 - 110	P	07/07/2025	14:38	LB136390
	Cadmium	2550	2500	102	90 - 110	P	07/07/2025	14:38	LB136390
	Calcium	24700	25000	99	90 - 110	P	07/07/2025	14:38	LB136390
	Chromium	1010	1000	101	90 - 110	P	07/07/2025	14:38	LB136390
	Cobalt	2530	2500	101	90 - 110	P	07/07/2025	14:38	LB136390
	Copper	1280	1250	102	90 - 110	P	07/07/2025	14:38	LB136390
	Iron	5030	5000	101	90 - 110	P	07/07/2025	14:38	LB136390
	Lead	5050	5000	101	90 - 110	P	07/07/2025	14:38	LB136390
	Magnesium	24400	25000	97	90 - 110	P	07/07/2025	14:38	LB136390
	Manganese	2460	2500	98	90 - 110	P	07/07/2025	14:38	LB136390
	Nickel	2540	2500	102	90 - 110	P	07/07/2025	14:38	LB136390
	Potassium	25500	25000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Selenium	5090	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Silver	1250	1250	100	90 - 110	P	07/07/2025	14:38	LB136390
	Sodium	25700	25000	103	90 - 110	P	07/07/2025	14:38	LB136390
	Thallium	5090	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Vanadium	2450	2500	98	90 - 110	P	07/07/2025	14:38	LB136390
	Zinc	2530	2500	101	90 - 110	P	07/07/2025	14:38	LB136390
CCV02	Aluminum	9790	10000	98	90 - 110	P	07/07/2025	15:30	LB136390
	Antimony	5040	5000	101	90 - 110	P	07/07/2025	15:30	LB136390
	Arsenic	5030	5000	101	90 - 110	P	07/07/2025	15:30	LB136390
	Barium	9870	10000	99	90 - 110	P	07/07/2025	15:30	LB136390
	Beryllium	239	250	95	90 - 110	P	07/07/2025	15:30	LB136390
	Cadmium	2480	2500	99	90 - 110	P	07/07/2025	15:30	LB136390
	Calcium	24400	25000	98	90 - 110	P	07/07/2025	15:30	LB136390
	Chromium	994	1000	99	90 - 110	P	07/07/2025	15:30	LB136390
	Cobalt	2480	2500	99	90 - 110	P	07/07/2025	15:30	LB136390
	Copper	1260	1250	101	90 - 110	P	07/07/2025	15:30	LB136390
	Iron	5020	5000	100	90 - 110	P	07/07/2025	15:30	LB136390
	Lead	4930	5000	99	90 - 110	P	07/07/2025	15:30	LB136390

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24000	25000	96	90 - 110	P	07/07/2025	15:30	LB136390
	Manganese	2420	2500	97	90 - 110	P	07/07/2025	15:30	LB136390
	Nickel	2490	2500	100	90 - 110	P	07/07/2025	15:30	LB136390
	Potassium	24200	25000	97	90 - 110	P	07/07/2025	15:30	LB136390
	Selenium	5010	5000	100	90 - 110	P	07/07/2025	15:30	LB136390
	Silver	1240	1250	99	90 - 110	P	07/07/2025	15:30	LB136390
	Sodium	22700	25000	91	90 - 110	P	07/07/2025	15:30	LB136390
	Thallium	4840	5000	97	90 - 110	P	07/07/2025	15:30	LB136390
	Vanadium	2420	2500	97	90 - 110	P	07/07/2025	15:30	LB136390
	Zinc	2510	2500	101	90 - 110	P	07/07/2025	15:30	LB136390
CCV03	Aluminum	9880	10000	99	90 - 110	P	07/07/2025	16:33	LB136390
	Antimony	5100	5000	102	90 - 110	P	07/07/2025	16:33	LB136390
	Arsenic	5100	5000	102	90 - 110	P	07/07/2025	16:33	LB136390
	Barium	10000	10000	100	90 - 110	P	07/07/2025	16:33	LB136390
	Beryllium	245	250	98	90 - 110	P	07/07/2025	16:33	LB136390
	Cadmium	2520	2500	101	90 - 110	P	07/07/2025	16:33	LB136390
	Calcium	24600	25000	98	90 - 110	P	07/07/2025	16:33	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/07/2025	16:33	LB136390
	Cobalt	2520	2500	101	90 - 110	P	07/07/2025	16:33	LB136390
	Copper	1280	1250	102	90 - 110	P	07/07/2025	16:33	LB136390
	Iron	5150	5000	103	90 - 110	P	07/07/2025	16:33	LB136390
	Lead	5010	5000	100	90 - 110	P	07/07/2025	16:33	LB136390
	Magnesium	24100	25000	96	90 - 110	P	07/07/2025	16:33	LB136390
	Manganese	2460	2500	98	90 - 110	P	07/07/2025	16:33	LB136390
	Nickel	2530	2500	101	90 - 110	P	07/07/2025	16:33	LB136390
	Potassium	26000	25000	104	90 - 110	P	07/07/2025	16:33	LB136390
	Selenium	5070	5000	101	90 - 110	P	07/07/2025	16:33	LB136390
	Silver	1270	1250	101	90 - 110	P	07/07/2025	16:33	LB136390
	Sodium	24800	25000	99	90 - 110	P	07/07/2025	16:33	LB136390
	Thallium	4700	5000	94	90 - 110	P	07/07/2025	16:33	LB136390
CCV04	Vanadium	2440	2500	98	90 - 110	P	07/07/2025	16:33	LB136390
	Zinc	2580	2500	103	90 - 110	P	07/07/2025	16:33	LB136390
	Aluminum	9910	10000	99	90 - 110	P	07/07/2025	17:31	LB136390
	Antimony	5060	5000	101	90 - 110	P	07/07/2025	17:31	LB136390

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	5040	5000	101	90 - 110	P	07/07/2025	17:31	LB136390
	Barium	10200	10000	102	90 - 110	P	07/07/2025	17:31	LB136390
	Beryllium	240	250	96	90 - 110	P	07/07/2025	17:31	LB136390
	Cadmium	2480	2500	99	90 - 110	P	07/07/2025	17:31	LB136390
	Calcium	24600	25000	99	90 - 110	P	07/07/2025	17:31	LB136390
	Chromium	1010	1000	101	90 - 110	P	07/07/2025	17:31	LB136390
	Cobalt	2490	2500	100	90 - 110	P	07/07/2025	17:31	LB136390
	Copper	1260	1250	101	90 - 110	P	07/07/2025	17:31	LB136390
	Iron	5230	5000	104	90 - 110	P	07/07/2025	17:31	LB136390
	Lead	4930	5000	98	90 - 110	P	07/07/2025	17:31	LB136390
	Magnesium	23900	25000	96	90 - 110	P	07/07/2025	17:31	LB136390
	Manganese	2450	2500	98	90 - 110	P	07/07/2025	17:31	LB136390
	Nickel	2500	2500	100	90 - 110	P	07/07/2025	17:31	LB136390
	Potassium	27000	25000	108	90 - 110	P	07/07/2025	17:31	LB136390
	Selenium	5020	5000	100	90 - 110	P	07/07/2025	17:31	LB136390
	Silver	1260	1250	101	90 - 110	P	07/07/2025	17:31	LB136390
	Sodium	26700	25000	107	90 - 110	P	07/07/2025	17:31	LB136390
	Thallium	4540	5000	91	90 - 110	P	07/07/2025	17:31	LB136390
	Vanadium	2450	2500	98	90 - 110	P	07/07/2025	17:31	LB136390
	Zinc	2570	2500	103	90 - 110	P	07/07/2025	17:31	LB136390
CCV05	Aluminum	9950	10000	100	90 - 110	P	07/08/2025	01:43	LB136390
	Antimony	5110	5000	102	90 - 110	P	07/08/2025	01:43	LB136390
	Arsenic	5130	5000	103	90 - 110	P	07/08/2025	01:43	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	01:43	LB136390
	Beryllium	252	250	101	90 - 110	P	07/08/2025	01:43	LB136390
	Cadmium	2550	2500	102	90 - 110	P	07/08/2025	01:43	LB136390
	Calcium	24700	25000	99	90 - 110	P	07/08/2025	01:43	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	01:43	LB136390
	Cobalt	2540	2500	101	90 - 110	P	07/08/2025	01:43	LB136390
	Copper	1290	1250	103	90 - 110	P	07/08/2025	01:43	LB136390
	Iron	5020	5000	100	90 - 110	P	07/08/2025	01:43	LB136390
	Lead	5060	5000	101	90 - 110	P	07/08/2025	01:43	LB136390
	Magnesium	24200	25000	97	90 - 110	P	07/08/2025	01:43	LB136390
	Manganese	2460	2500	98	90 - 110	P	07/08/2025	01:43	LB136390

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

Contract: JPCL01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2473

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2550	2500	102	90 - 110	P	07/08/2025	01:43	LB136390
	Potassium	26200	25000	105	90 - 110	P	07/08/2025	01:43	LB136390
	Selenium	5100	5000	102	90 - 110	P	07/08/2025	01:43	LB136390
	Silver	1260	1250	101	90 - 110	P	07/08/2025	01:43	LB136390
	Sodium	26100	25000	104	90 - 110	P	07/08/2025	01:43	LB136390
	Thallium	4270	5000	85	90 - 110	P	07/08/2025	01:43	LB136390
	Vanadium	2460	2500	98	90 - 110	P	07/08/2025	01:43	LB136390
	Zinc	2540	2500	102	90 - 110	P	07/08/2025	01:43	LB136390
CCV06	Aluminum	9750	10000	98	90 - 110	P	07/08/2025	02:49	LB136390
	Antimony	5020	5000	100	90 - 110	P	07/08/2025	02:49	LB136390
	Arsenic	5030	5000	101	90 - 110	P	07/08/2025	02:49	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	02:49	LB136390
	Beryllium	249	250	100	90 - 110	P	07/08/2025	02:49	LB136390
	Cadmium	2490	2500	99	90 - 110	P	07/08/2025	02:49	LB136390
	Calcium	24500	25000	98	90 - 110	P	07/08/2025	02:49	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	02:49	LB136390
	Cobalt	2480	2500	99	90 - 110	P	07/08/2025	02:49	LB136390
	Copper	1260	1250	101	90 - 110	P	07/08/2025	02:49	LB136390
	Iron	5260	5000	105	90 - 110	P	07/08/2025	02:49	LB136390
	Lead	4940	5000	99	90 - 110	P	07/08/2025	02:49	LB136390
	Magnesium	24000	25000	96	90 - 110	P	07/08/2025	02:49	LB136390
	Manganese	2430	2500	97	90 - 110	P	07/08/2025	02:49	LB136390
	Nickel	2490	2500	100	90 - 110	P	07/08/2025	02:49	LB136390
	Potassium	27900	25000	111	90 - 110	P	07/08/2025	02:49	LB136390
	Selenium	5030	5000	100	90 - 110	P	07/08/2025	02:49	LB136390
	Silver	1270	1250	102	90 - 110	P	07/08/2025	02:49	LB136390
	Sodium	27100	25000	108	90 - 110	P	07/08/2025	02:49	LB136390
	Thallium	4390	5000	88	90 - 110	P	07/08/2025	02:49	LB136390
	Vanadium	2450	2500	98	90 - 110	P	07/08/2025	02:49	LB136390
	Zinc	2450	2500	98	90 - 110	P	07/08/2025	02:49	LB136390
CCV07	Aluminum	9870	10000	99	90 - 110	P	07/08/2025	03:40	LB136390
	Antimony	5060	5000	101	90 - 110	P	07/08/2025	03:40	LB136390
	Arsenic	5040	5000	101	90 - 110	P	07/08/2025	03:40	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	03:40	LB136390

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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
CCV07	Beryllium	251	250	100	90 - 110	P	07/08/2025	03:40	LB136390
	Cadmium	2500	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Calcium	24800	25000	99	90 - 110	P	07/08/2025	03:40	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	03:40	LB136390
	Cobalt	2500	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Copper	1270	1250	102	90 - 110	P	07/08/2025	03:40	LB136390
	Iron	5150	5000	103	90 - 110	P	07/08/2025	03:40	LB136390
	Lead	4980	5000	100	90 - 110	P	07/08/2025	03:40	LB136390
	Magnesium	24300	25000	97	90 - 110	P	07/08/2025	03:40	LB136390
	Manganese	2470	2500	99	90 - 110	P	07/08/2025	03:40	LB136390
	Nickel	2510	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Potassium	27100	25000	108	90 - 110	P	07/08/2025	03:40	LB136390
	Selenium	5020	5000	100	90 - 110	P	07/08/2025	03:40	LB136390
	Silver	1270	1250	101	90 - 110	P	07/08/2025	03:40	LB136390
	Sodium	25100	25000	101	90 - 110	P	07/08/2025	03:40	LB136390
	Thallium	4520	5000	90	90 - 110	P	07/08/2025	03:40	LB136390
	Vanadium	2490	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Zinc	2500	2500	100	90 - 110	P	07/08/2025	03:40	LB136390

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	7590	8000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Antimony	3910	4000	98	90 - 110	P	07/09/2025	10:05	LB136407
	Arsenic	3660	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Barium	7770	8000	97	90 - 110	P	07/09/2025	10:05	LB136407
	Beryllium	194	200	97	90 - 110	P	07/09/2025	10:05	LB136407
	Cadmium	1860	2000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Calcium	19100	20000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Chromium	784	800	98	90 - 110	P	07/09/2025	10:05	LB136407
	Cobalt	1910	2000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Copper	1000	1000	100	90 - 110	P	07/09/2025	10:05	LB136407
	Iron	3730	4000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Lead	3700	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Magnesium	19100	20000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Manganese	1920	2000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Nickel	1890	2000	94	90 - 110	P	07/09/2025	10:05	LB136407
	Potassium	18500	20000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Selenium	3760	4000	94	90 - 110	P	07/09/2025	10:05	LB136407
	Silver	1000	1000	100	90 - 110	P	07/09/2025	10:05	LB136407
	Sodium	19300	20000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Thallium	3680	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Vanadium	1940	2000	97	90 - 110	P	07/09/2025	10:05	LB136407
	Zinc	1950	2000	97	90 - 110	P	07/09/2025	10:05	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	96.1	100	96	80 - 120	P	07/09/2025	10:17	LB136407
	Antimony	49.5	50.0	99	80 - 120	P	07/09/2025	10:17	LB136407
	Arsenic	20.8	20.0	104	80 - 120	P	07/09/2025	10:17	LB136407
	Barium	101	100	101	80 - 120	P	07/09/2025	10:17	LB136407
	Beryllium	6.07	6.0	101	80 - 120	P	07/09/2025	10:17	LB136407
	Cadmium	5.40	6.0	90	80 - 120	P	07/09/2025	10:17	LB136407
	Calcium	1940	2000	97	80 - 120	P	07/09/2025	10:17	LB136407
	Chromium	10.3	10.0	103	80 - 120	P	07/09/2025	10:17	LB136407
	Cobalt	28.4	30.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Copper	22.7	20.0	114	80 - 120	P	07/09/2025	10:17	LB136407
	Iron	117	100	117	80 - 120	P	07/09/2025	10:17	LB136407
	Lead	11.2	12.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Magnesium	2100	2000	105	80 - 120	P	07/09/2025	10:17	LB136407
	Manganese	23.0	20.0	115	80 - 120	P	07/09/2025	10:17	LB136407
	Nickel	37.8	40.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Potassium	1760	2000	88	80 - 120	P	07/09/2025	10:17	LB136407
	Selenium	21.3	20.0	107	80 - 120	P	07/09/2025	10:17	LB136407
	Silver	9.46	10.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Sodium	1770	2000	88	80 - 120	P	07/09/2025	10:17	LB136407
	Thallium	37.7	40.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Vanadium	37.7	40.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Zinc	42.1	40.0	105	80 - 120	P	07/09/2025	10:17	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	10300	10000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Antimony	5070	5000	101	90 - 110	P	07/09/2025	10:48	LB136407
	Arsenic	4990	5000	100	90 - 110	P	07/09/2025	10:48	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	10:48	LB136407
	Beryllium	259	250	104	90 - 110	P	07/09/2025	10:48	LB136407
	Cadmium	2520	2500	101	90 - 110	P	07/09/2025	10:48	LB136407
	Calcium	25400	25000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Chromium	1030	1000	103	90 - 110	P	07/09/2025	10:48	LB136407
	Cobalt	2480	2500	99	90 - 110	P	07/09/2025	10:48	LB136407
	Copper	1290	1250	104	90 - 110	P	07/09/2025	10:48	LB136407
	Iron	5010	5000	100	90 - 110	P	07/09/2025	10:48	LB136407
	Lead	5040	5000	101	90 - 110	P	07/09/2025	10:48	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	10:48	LB136407
	Manganese	2620	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
	Nickel	2470	2500	99	90 - 110	P	07/09/2025	10:48	LB136407
	Potassium	25800	25000	103	90 - 110	P	07/09/2025	10:48	LB136407
	Selenium	5080	5000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Silver	1260	1250	101	90 - 110	P	07/09/2025	10:48	LB136407
	Sodium	26500	25000	106	90 - 110	P	07/09/2025	10:48	LB136407
	Thallium	5100	5000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Vanadium	2630	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
	Zinc	2630	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
CCV02	Aluminum	9890	10000	99	90 - 110	P	07/09/2025	11:47	LB136407
	Antimony	5010	5000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Arsenic	4800	5000	96	90 - 110	P	07/09/2025	11:47	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	11:47	LB136407
	Beryllium	254	250	102	90 - 110	P	07/09/2025	11:47	LB136407
	Cadmium	2430	2500	97	90 - 110	P	07/09/2025	11:47	LB136407
	Calcium	25200	25000	101	90 - 110	P	07/09/2025	11:47	LB136407
	Chromium	997	1000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Cobalt	2400	2500	96	90 - 110	P	07/09/2025	11:47	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	11:47	LB136407
	Iron	4860	5000	97	90 - 110	P	07/09/2025	11:47	LB136407
	Lead	4860	5000	97	90 - 110	P	07/09/2025	11:47	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24200	25000	97	90 - 110	P	07/09/2025	11:47	LB136407
	Manganese	2580	2500	103	90 - 110	P	07/09/2025	11:47	LB136407
	Nickel	2400	2500	96	90 - 110	P	07/09/2025	11:47	LB136407
	Potassium	24100	25000	96	90 - 110	P	07/09/2025	11:47	LB136407
	Selenium	4960	5000	99	90 - 110	P	07/09/2025	11:47	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	11:47	LB136407
	Sodium	24500	25000	98	90 - 110	P	07/09/2025	11:47	LB136407
	Thallium	4990	5000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Vanadium	2600	2500	104	90 - 110	P	07/09/2025	11:47	LB136407
	Zinc	2590	2500	104	90 - 110	P	07/09/2025	11:47	LB136407
CCV03	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Antimony	5020	5000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Arsenic	4830	5000	96	90 - 110	P	07/09/2025	12:54	LB136407
	Barium	10800	10000	108	90 - 110	P	07/09/2025	12:54	LB136407
	Beryllium	257	250	103	90 - 110	P	07/09/2025	12:54	LB136407
	Cadmium	2440	2500	98	90 - 110	P	07/09/2025	12:54	LB136407
	Calcium	25500	25000	102	90 - 110	P	07/09/2025	12:54	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Cobalt	2410	2500	97	90 - 110	P	07/09/2025	12:54	LB136407
	Copper	1270	1250	102	90 - 110	P	07/09/2025	12:54	LB136407
	Iron	4930	5000	99	90 - 110	P	07/09/2025	12:54	LB136407
	Lead	4890	5000	98	90 - 110	P	07/09/2025	12:54	LB136407
	Magnesium	24500	25000	98	90 - 110	P	07/09/2025	12:54	LB136407
	Manganese	2590	2500	103	90 - 110	P	07/09/2025	12:54	LB136407
	Nickel	2410	2500	96	90 - 110	P	07/09/2025	12:54	LB136407
	Potassium	24700	25000	99	90 - 110	P	07/09/2025	12:54	LB136407
	Selenium	5010	5000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	12:54	LB136407
	Sodium	25000	25000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Thallium	5030	5000	101	90 - 110	P	07/09/2025	12:54	LB136407
CCV04	Vanadium	2590	2500	104	90 - 110	P	07/09/2025	12:54	LB136407
	Zinc	2600	2500	104	90 - 110	P	07/09/2025	12:54	LB136407
	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Antimony	5010	5000	100	90 - 110	P	07/09/2025	14:05	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

Contract: JPCL01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2473

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4860	5000	97	90 - 110	P	07/09/2025	14:05	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	14:05	LB136407
	Beryllium	259	250	104	90 - 110	P	07/09/2025	14:05	LB136407
	Cadmium	2460	2500	98	90 - 110	P	07/09/2025	14:05	LB136407
	Calcium	25700	25000	103	90 - 110	P	07/09/2025	14:05	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	14:05	LB136407
	Cobalt	2410	2500	96	90 - 110	P	07/09/2025	14:05	LB136407
	Copper	1280	1250	102	90 - 110	P	07/09/2025	14:05	LB136407
	Iron	5000	5000	100	90 - 110	P	07/09/2025	14:05	LB136407
	Lead	4930	5000	99	90 - 110	P	07/09/2025	14:05	LB136407
	Magnesium	24500	25000	98	90 - 110	P	07/09/2025	14:05	LB136407
	Manganese	2590	2500	104	90 - 110	P	07/09/2025	14:05	LB136407
	Nickel	2420	2500	97	90 - 110	P	07/09/2025	14:05	LB136407
	Potassium	25300	25000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Selenium	5050	5000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Silver	1260	1250	101	90 - 110	P	07/09/2025	14:05	LB136407
	Sodium	25800	25000	103	90 - 110	P	07/09/2025	14:05	LB136407
	Thallium	5080	5000	102	90 - 110	P	07/09/2025	14:05	LB136407
	Vanadium	2580	2500	103	90 - 110	P	07/09/2025	14:05	LB136407
	Zinc	2580	2500	103	90 - 110	P	07/09/2025	14:05	LB136407
CCV05	Aluminum	10200	10000	102	90 - 110	P	07/09/2025	15:27	LB136407
	Antimony	5170	5000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Arsenic	5070	5000	101	90 - 110	P	07/09/2025	15:27	LB136407
	Barium	10800	10000	108	90 - 110	P	07/09/2025	15:27	LB136407
	Beryllium	272	250	109	90 - 110	P	07/09/2025	15:27	LB136407
	Cadmium	2560	2500	103	90 - 110	P	07/09/2025	15:27	LB136407
	Calcium	26100	25000	104	90 - 110	P	07/09/2025	15:27	LB136407
	Chromium	1030	1000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Cobalt	2500	2500	100	90 - 110	P	07/09/2025	15:27	LB136407
	Copper	1340	1250	107	90 - 110	P	07/09/2025	15:27	LB136407
	Iron	5360	5000	107	90 - 110	P	07/09/2025	15:27	LB136407
	Lead	5130	5000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Magnesium	25100	25000	100	90 - 110	P	07/09/2025	15:27	LB136407
	Manganese	2600	2500	104	90 - 110	P	07/09/2025	15:27	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	2510	2500	100	90 - 110	P	07/09/2025	15:27	LB136407
	Potassium	26800	25000	107	90 - 110	P	07/09/2025	15:27	LB136407
	Selenium	5260	5000	105	90 - 110	P	07/09/2025	15:27	LB136407
	Silver	1280	1250	102	90 - 110	P	07/09/2025	15:27	LB136407
	Sodium	27100	25000	108	90 - 110	P	07/09/2025	15:27	LB136407
	Thallium	5270	5000	106	90 - 110	P	07/09/2025	15:27	LB136407
	Vanadium	2600	2500	104	90 - 110	P	07/09/2025	15:27	LB136407
	Zinc	2620	2500	105	90 - 110	P	07/09/2025	15:27	LB136407
CCV06	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Antimony	5040	5000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Arsenic	4880	5000	98	90 - 110	P	07/09/2025	16:39	LB136407
	Barium	10600	10000	106	90 - 110	P	07/09/2025	16:39	LB136407
	Beryllium	260	250	104	90 - 110	P	07/09/2025	16:39	LB136407
	Cadmium	2470	2500	99	90 - 110	P	07/09/2025	16:39	LB136407
	Calcium	25600	25000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	16:39	LB136407
	Cobalt	2430	2500	97	90 - 110	P	07/09/2025	16:39	LB136407
	Copper	1280	1250	103	90 - 110	P	07/09/2025	16:39	LB136407
	Iron	5080	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Lead	4940	5000	99	90 - 110	P	07/09/2025	16:39	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	16:39	LB136407
	Manganese	2580	2500	103	90 - 110	P	07/09/2025	16:39	LB136407
	Nickel	2430	2500	97	90 - 110	P	07/09/2025	16:39	LB136407
	Potassium	25300	25000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Selenium	5090	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Silver	1250	1250	100	90 - 110	P	07/09/2025	16:39	LB136407
	Sodium	25300	25000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Thallium	5110	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Vanadium	2570	2500	103	90 - 110	P	07/09/2025	16:39	LB136407
	Zinc	2560	2500	102	90 - 110	P	07/09/2025	16:39	LB136407
CCV07	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Antimony	4980	5000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Arsenic	4770	5000	95	90 - 110	P	07/09/2025	17:50	LB136407
	Barium	10500	10000	105	90 - 110	P	07/09/2025	17:50	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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
CCV07	Beryllium	258	250	103	90 - 110	P	07/09/2025	17:50	LB136407
	Cadmium	2420	2500	97	90 - 110	P	07/09/2025	17:50	LB136407
	Calcium	25500	25000	102	90 - 110	P	07/09/2025	17:50	LB136407
	Chromium	982	1000	98	90 - 110	P	07/09/2025	17:50	LB136407
	Cobalt	2380	2500	95	90 - 110	P	07/09/2025	17:50	LB136407
	Copper	1270	1250	102	90 - 110	P	07/09/2025	17:50	LB136407
	Iron	5070	5000	101	90 - 110	P	07/09/2025	17:50	LB136407
	Lead	4830	5000	97	90 - 110	P	07/09/2025	17:50	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	17:50	LB136407
	Manganese	2570	2500	103	90 - 110	P	07/09/2025	17:50	LB136407
	Nickel	2390	2500	96	90 - 110	P	07/09/2025	17:50	LB136407
	Potassium	23900	25000	96	90 - 110	P	07/09/2025	17:50	LB136407
	Selenium	5010	5000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	17:50	LB136407
	Sodium	24000	25000	96	90 - 110	P	07/09/2025	17:50	LB136407
	Thallium	5040	5000	101	90 - 110	P	07/09/2025	17:50	LB136407
	Vanadium	2540	2500	102	90 - 110	P	07/09/2025	17:50	LB136407
	Zinc	2520	2500	101	90 - 110	P	07/09/2025	17:50	LB136407
CCV08	Aluminum	9890	10000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Antimony	4930	5000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Arsenic	4700	5000	94	90 - 110	P	07/09/2025	18:54	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	18:54	LB136407
	Beryllium	255	250	102	90 - 110	P	07/09/2025	18:54	LB136407
	Cadmium	2400	2500	96	90 - 110	P	07/09/2025	18:54	LB136407
	Calcium	25100	25000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Chromium	966	1000	97	90 - 110	P	07/09/2025	18:54	LB136407
	Cobalt	2340	2500	94	90 - 110	P	07/09/2025	18:54	LB136407
	Copper	1250	1250	100	90 - 110	P	07/09/2025	18:54	LB136407
	Iron	5020	5000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Lead	4780	5000	96	90 - 110	P	07/09/2025	18:54	LB136407
	Magnesium	24300	25000	97	90 - 110	P	07/09/2025	18:54	LB136407
	Manganese	2520	2500	101	90 - 110	P	07/09/2025	18:54	LB136407
	Nickel	2370	2500	95	90 - 110	P	07/09/2025	18:54	LB136407
	Potassium	23500	25000	94	90 - 110	P	07/09/2025	18:54	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

Contract: JPCL01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2473

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4970	5000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Silver	1220	1250	98	90 - 110	P	07/09/2025	18:54	LB136407
	Sodium	23600	25000	94	90 - 110	P	07/09/2025	18:54	LB136407
	Thallium	5010	5000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Vanadium	2510	2500	101	90 - 110	P	07/09/2025	18:54	LB136407
	Zinc	2490	2500	100	90 - 110	P	07/09/2025	18:54	LB136407
CCV09	Aluminum	9970	10000	100	90 - 110	P	07/09/2025	19:48	LB136407
	Antimony	5030	5000	101	90 - 110	P	07/09/2025	19:48	LB136407
	Arsenic	4800	5000	96	90 - 110	P	07/09/2025	19:48	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	19:48	LB136407
	Beryllium	255	250	102	90 - 110	P	07/09/2025	19:48	LB136407
	Cadmium	2450	2500	98	90 - 110	P	07/09/2025	19:48	LB136407
	Calcium	25400	25000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Chromium	983	1000	98	90 - 110	P	07/09/2025	19:48	LB136407
	Cobalt	2390	2500	96	90 - 110	P	07/09/2025	19:48	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	19:48	LB136407
	Iron	5050	5000	101	90 - 110	P	07/09/2025	19:48	LB136407
	Lead	4870	5000	97	90 - 110	P	07/09/2025	19:48	LB136407
	Magnesium	24400	25000	98	90 - 110	P	07/09/2025	19:48	LB136407
	Manganese	2550	2500	102	90 - 110	P	07/09/2025	19:48	LB136407
	Nickel	2410	2500	97	90 - 110	P	07/09/2025	19:48	LB136407
	Potassium	23800	25000	95	90 - 110	P	07/09/2025	19:48	LB136407
	Selenium	5080	5000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Silver	1250	1250	100	90 - 110	P	07/09/2025	19:48	LB136407
	Sodium	23700	25000	95	90 - 110	P	07/09/2025	19:48	LB136407
	Thallium	5120	5000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Vanadium	2540	2500	102	90 - 110	P	07/09/2025	19:48	LB136407
	Zinc	2540	2500	101	90 - 110	P	07/09/2025	19:48	LB136407
CCV10	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	20:41	LB136407
	Antimony	5140	5000	103	90 - 110	P	07/09/2025	20:41	LB136407
	Arsenic	4910	5000	98	90 - 110	P	07/09/2025	20:41	LB136407
	Barium	10600	10000	106	90 - 110	P	07/09/2025	20:41	LB136407
	Beryllium	260	250	104	90 - 110	P	07/09/2025	20:41	LB136407
	Cadmium	2510	2500	100	90 - 110	P	07/09/2025	20:41	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

Contract: JPCL01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q2473

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	25900	25000	103	90 - 110	P	07/09/2025	20:41	LB136407
	Chromium	1010	1000	101	90 - 110	P	07/09/2025	20:41	LB136407
	Cobalt	2440	2500	98	90 - 110	P	07/09/2025	20:41	LB136407
	Copper	1280	1250	102	90 - 110	P	07/09/2025	20:41	LB136407
	Iron	5110	5000	102	90 - 110	P	07/09/2025	20:41	LB136407
	Lead	4990	5000	100	90 - 110	P	07/09/2025	20:41	LB136407
	Magnesium	24800	25000	99	90 - 110	P	07/09/2025	20:41	LB136407
	Manganese	2610	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
	Nickel	2470	2500	99	90 - 110	P	07/09/2025	20:41	LB136407
	Potassium	24600	25000	98	90 - 110	P	07/09/2025	20:41	LB136407
	Selenium	5200	5000	104	90 - 110	P	07/09/2025	20:41	LB136407
	Silver	1270	1250	102	90 - 110	P	07/09/2025	20:41	LB136407
	Sodium	24200	25000	97	90 - 110	P	07/09/2025	20:41	LB136407
	Thallium	5230	5000	105	90 - 110	P	07/09/2025	20:41	LB136407
	Vanadium	2590	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
	Zinc	2610	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
CCV11	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	21:12	LB136407
	Antimony	4990	5000	100	90 - 110	P	07/09/2025	21:12	LB136407
	Arsenic	4740	5000	95	90 - 110	P	07/09/2025	21:12	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	21:12	LB136407
	Beryllium	257	250	103	90 - 110	P	07/09/2025	21:12	LB136407
	Cadmium	2420	2500	97	90 - 110	P	07/09/2025	21:12	LB136407
	Calcium	25300	25000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Chromium	975	1000	98	90 - 110	P	07/09/2025	21:12	LB136407
	Cobalt	2360	2500	95	90 - 110	P	07/09/2025	21:12	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	21:12	LB136407
	Iron	5070	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Lead	4820	5000	96	90 - 110	P	07/09/2025	21:12	LB136407
	Magnesium	24400	25000	98	90 - 110	P	07/09/2025	21:12	LB136407
	Manganese	2560	2500	102	90 - 110	P	07/09/2025	21:12	LB136407
	Nickel	2390	2500	96	90 - 110	P	07/09/2025	21:12	LB136407
	Potassium	23900	25000	96	90 - 110	P	07/09/2025	21:12	LB136407
	Selenium	5050	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	21:12	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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
CCV11	Sodium	23800	25000	95	90 - 110	P	07/09/2025	21:12	LB136407
	Thallium	5060	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Vanadium	2550	2500	102	90 - 110	P	07/09/2025	21:12	LB136407
	Zinc	2540	2500	102	90 - 110	P	07/09/2025	21:12	LB136407

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	7840	8000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Antimony	4070	4000	102	90 - 110	P	07/15/2025	13:39	LB136486
	Arsenic	3770	4000	94	90 - 110	P	07/15/2025	13:39	LB136486
	Barium	7830	8000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Beryllium	205	200	102	90 - 110	P	07/15/2025	13:39	LB136486
	Cadmium	1920	2000	96	90 - 110	P	07/15/2025	13:39	LB136486
	Calcium	19500	20000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Chromium	797	800	100	90 - 110	P	07/15/2025	13:39	LB136486
	Cobalt	1960	2000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Copper	1040	1000	104	90 - 110	P	07/15/2025	13:39	LB136486
	Iron	4000	4000	100	90 - 110	P	07/15/2025	13:39	LB136486
	Lead	3810	4000	95	90 - 110	P	07/15/2025	13:39	LB136486
	Magnesium	19700	20000	99	90 - 110	P	07/15/2025	13:39	LB136486
	Manganese	1960	2000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Nickel	1960	2000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Potassium	18400	20000	92	90 - 110	P	07/15/2025	13:39	LB136486
	Selenium	3910	4000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Silver	1070	1000	107	90 - 110	P	07/15/2025	13:39	LB136486
	Sodium	19600	20000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Thallium	3800	4000	95	90 - 110	P	07/15/2025	13:39	LB136486
	Vanadium	1960	2000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Zinc	1980	2000	99	90 - 110	P	07/15/2025	13:39	LB136486

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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
LLICV1	Aluminum	113	100	113	80 - 120	P	07/15/2025	13:50	LB136486
	Antimony	54.5	50.0	109	80 - 120	P	07/15/2025	13:50	LB136486
	Arsenic	17.4	20.0	87	80 - 120	P	07/15/2025	13:50	LB136486
	Barium	101	100	101	80 - 120	P	07/15/2025	13:50	LB136486
	Beryllium	6.45	6.0	108	80 - 120	P	07/15/2025	13:50	LB136486
	Cadmium	5.65	6.0	94	80 - 120	P	07/15/2025	13:50	LB136486
	Calcium	2090	2000	105	80 - 120	P	07/15/2025	13:50	LB136486
	Chromium	9.89	10.0	99	80 - 120	P	07/15/2025	13:50	LB136486
	Cobalt	30.8	30.0	103	80 - 120	P	07/15/2025	13:50	LB136486
	Copper	22.8	20.0	114	80 - 120	P	07/15/2025	13:50	LB136486
	Iron	116	100	116	80 - 120	P	07/15/2025	13:50	LB136486
	Lead	12.7	12.0	106	80 - 120	P	07/15/2025	13:50	LB136486
	Magnesium	2300	2000	115	80 - 120	P	07/15/2025	13:50	LB136486
	Manganese	22.7	20.0	114	80 - 120	P	07/15/2025	13:50	LB136486
	Nickel	39.9	40.0	100	80 - 120	P	07/15/2025	13:50	LB136486
	Potassium	1830	2000	92	80 - 120	P	07/15/2025	13:50	LB136486
	Selenium	22.8	20.0	114	80 - 120	P	07/15/2025	13:50	LB136486
	Silver	11.4	10.0	114	80 - 120	P	07/15/2025	13:50	LB136486
	Sodium	1860	2000	93	80 - 120	P	07/15/2025	13:50	LB136486
	Thallium	42.1	40.0	105	80 - 120	P	07/15/2025	13:50	LB136486
	Vanadium	37.5	40.0	94	80 - 120	P	07/15/2025	13:50	LB136486
	Zinc	42.1	40.0	105	80 - 120	P	07/15/2025	13:50	LB136486

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	10000	10000	100	90 - 110	P	07/15/2025	14:34	LB136486
	Antimony	4960	5000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Arsenic	4900	5000	98	90 - 110	P	07/15/2025	14:34	LB136486
	Barium	9990	10000	100	90 - 110	P	07/15/2025	14:34	LB136486
	Beryllium	254	250	101	90 - 110	P	07/15/2025	14:34	LB136486
	Cadmium	2470	2500	99	90 - 110	P	07/15/2025	14:34	LB136486
	Calcium	25000	25000	100	90 - 110	P	07/15/2025	14:34	LB136486
	Chromium	1010	1000	101	90 - 110	P	07/15/2025	14:34	LB136486
	Cobalt	2470	2500	99	90 - 110	P	07/15/2025	14:34	LB136486
	Copper	1260	1250	101	90 - 110	P	07/15/2025	14:34	LB136486
	Iron	5120	5000	102	90 - 110	P	07/15/2025	14:34	LB136486
	Lead	4930	5000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Magnesium	24600	25000	98	90 - 110	P	07/15/2025	14:34	LB136486
	Manganese	2500	2500	100	90 - 110	P	07/15/2025	14:34	LB136486
	Nickel	2480	2500	99	90 - 110	P	07/15/2025	14:34	LB136486
	Potassium	24900	25000	100	90 - 110	P	07/15/2025	14:34	LB136486
	Selenium	4960	5000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Silver	1250	1250	100	90 - 110	P	07/15/2025	14:34	LB136486
	Sodium	24800	25000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Thallium	4970	5000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Vanadium	2500	2500	100	90 - 110	P	07/15/2025	14:34	LB136486
	Zinc	2480	2500	99	90 - 110	P	07/15/2025	14:34	LB136486
CCV02	Aluminum	10100	10000	100	90 - 110	P	07/15/2025	15:11	LB136486
	Antimony	4990	5000	100	90 - 110	P	07/15/2025	15:11	LB136486
	Arsenic	4890	5000	98	90 - 110	P	07/15/2025	15:11	LB136486
	Barium	10100	10000	101	90 - 110	P	07/15/2025	15:11	LB136486
	Beryllium	254	250	101	90 - 110	P	07/15/2025	15:11	LB136486
	Cadmium	2460	2500	98	90 - 110	P	07/15/2025	15:11	LB136486
	Calcium	25100	25000	100	90 - 110	P	07/15/2025	15:11	LB136486
	Chromium	1010	1000	101	90 - 110	P	07/15/2025	15:11	LB136486
	Cobalt	2470	2500	99	90 - 110	P	07/15/2025	15:11	LB136486
	Copper	1260	1250	101	90 - 110	P	07/15/2025	15:11	LB136486
	Iron	5140	5000	103	90 - 110	P	07/15/2025	15:11	LB136486
	Lead	4910	5000	98	90 - 110	P	07/15/2025	15:11	LB136486

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24800	25000	99	90 - 110	P	07/15/2025	15:11	LB136486
	Manganese	2510	2500	100	90 - 110	P	07/15/2025	15:11	LB136486
	Nickel	2480	2500	99	90 - 110	P	07/15/2025	15:11	LB136486
	Potassium	23500	25000	94	90 - 110	P	07/15/2025	15:11	LB136486
	Selenium	4970	5000	99	90 - 110	P	07/15/2025	15:11	LB136486
	Silver	1260	1250	101	90 - 110	P	07/15/2025	15:11	LB136486
	Sodium	23900	25000	96	90 - 110	P	07/15/2025	15:11	LB136486
	Thallium	4980	5000	100	90 - 110	P	07/15/2025	15:11	LB136486
	Vanadium	2500	2500	100	90 - 110	P	07/15/2025	15:11	LB136486
	Zinc	2460	2500	99	90 - 110	P	07/15/2025	15:11	LB136486

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: JPCL Engineering **SDG No.:** Q2473
Contract: JPCL01 **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	0.19	0.2	95	70 - 130	CV	07/03/2025	11:24	LB136369
CRI01	Aluminum	109	100	109	65 - 135	P	07/07/2025	13:49	LB136390
	Antimony	52.7	50.0	106	65 - 135	P	07/07/2025	13:49	LB136390
	Arsenic	23.0	20.0	115	65 - 135	P	07/07/2025	13:49	LB136390
	Barium	97.5	100	98	65 - 135	P	07/07/2025	13:49	LB136390
	Beryllium	6.07	6.0	101	65 - 135	P	07/07/2025	13:49	LB136390
	Cadmium	7.08	6.0	118	65 - 135	P	07/07/2025	13:49	LB136390
	Calcium	2020	2000	101	65 - 135	P	07/07/2025	13:49	LB136390
	Chromium	11.8	10.0	118	65 - 135	P	07/07/2025	13:49	LB136390
	Cobalt	30.6	30.0	102	65 - 135	P	07/07/2025	13:49	LB136390
	Copper	22.1	20.0	111	65 - 135	P	07/07/2025	13:49	LB136390
	Iron	117	100	117	65 - 135	P	07/07/2025	13:49	LB136390
	Lead	13.7	12.0	114	65 - 135	P	07/07/2025	13:49	LB136390
	Magnesium	2100	2000	105	65 - 135	P	07/07/2025	13:49	LB136390
	Manganese	21.9	20.0	110	65 - 135	P	07/07/2025	13:49	LB136390
	Nickel	42.1	40.0	105	65 - 135	P	07/07/2025	13:49	LB136390
	Potassium	1880	2000	94	65 - 135	P	07/07/2025	13:49	LB136390
	Selenium	19.2	20.0	96	65 - 135	P	07/07/2025	13:49	LB136390
	Silver	10.6	10.0	106	65 - 135	P	07/07/2025	13:49	LB136390
	Sodium	2070	2000	104	65 - 135	P	07/07/2025	13:49	LB136390
	Thallium	42.1	40.0	105	65 - 135	P	07/07/2025	13:49	LB136390
	Vanadium	42.5	40.0	106	65 - 135	P	07/07/2025	13:49	LB136390
	Zinc	46.7	40.0	117	65 - 135	P	07/07/2025	13:49	LB136390
CRI01	Aluminum	114	100	114	65 - 135	P	07/09/2025	10:26	LB136407
	Antimony	53.6	50.0	107	65 - 135	P	07/09/2025	10:26	LB136407
	Arsenic	14.2	20.0	71	65 - 135	P	07/09/2025	10:26	LB136407
	Barium	104	100	104	65 - 135	P	07/09/2025	10:26	LB136407
	Beryllium	6.33	6.0	105	65 - 135	P	07/09/2025	10:26	LB136407
	Cadmium	5.51	6.0	92	65 - 135	P	07/09/2025	10:26	LB136407
	Calcium	1930	2000	96	65 - 135	P	07/09/2025	10:26	LB136407
	Chromium	10.7	10.0	107	65 - 135	P	07/09/2025	10:26	LB136407
	Cobalt	29.1	30.0	97	65 - 135	P	07/09/2025	10:26	LB136407
	Copper	24.1	20.0	120	65 - 135	P	07/09/2025	10:26	LB136407
	Iron	119	100	119	65 - 135	P	07/09/2025	10:26	LB136407
	Lead	11.5	12.0	96	65 - 135	P	07/09/2025	10:26	LB136407

Metals
- 2b -
CRDL STANDARD FOR AA & ICP

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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
CRI01	Magnesium	2060	2000	103	65 - 135	P	07/09/2025	10:26	LB136407
	Manganese	22.6	20.0	113	65 - 135	P	07/09/2025	10:26	LB136407
	Nickel	38.2	40.0	96	65 - 135	P	07/09/2025	10:26	LB136407
	Potassium	1710	2000	86	65 - 135	P	07/09/2025	10:26	LB136407
	Selenium	22.8	20.0	114	65 - 135	P	07/09/2025	10:26	LB136407
	Silver	11.6	10.0	116	65 - 135	P	07/09/2025	10:26	LB136407
	Sodium	1830	2000	92	65 - 135	P	07/09/2025	10:26	LB136407
	Thallium	38.4	40.0	96	65 - 135	P	07/09/2025	10:26	LB136407
	Vanadium	32.0	40.0	80	65 - 135	P	07/09/2025	10:26	LB136407
	Zinc	43.1	40.0	108	65 - 135	P	07/09/2025	10:26	LB136407
CRI01	Aluminum	98.0	100	98	65 - 135	P	07/15/2025	14:05	LB136486
	Antimony	52.4	50.0	105	65 - 135	P	07/15/2025	14:05	LB136486
	Arsenic	16.4	20.0	82	65 - 135	P	07/15/2025	14:05	LB136486
	Barium	101	100	101	65 - 135	P	07/15/2025	14:05	LB136486
	Beryllium	6.27	6.0	104	65 - 135	P	07/15/2025	14:05	LB136486
	Cadmium	5.56	6.0	93	65 - 135	P	07/15/2025	14:05	LB136486
	Calcium	2020	2000	101	65 - 135	P	07/15/2025	14:05	LB136486
	Chromium	10.0	10.0	100	65 - 135	P	07/15/2025	14:05	LB136486
	Cobalt	29.9	30.0	100	65 - 135	P	07/15/2025	14:05	LB136486
	Copper	22.0	20.0	110	65 - 135	P	07/15/2025	14:05	LB136486
	Iron	113	100	113	65 - 135	P	07/15/2025	14:05	LB136486
	Lead	13.4	12.0	111	65 - 135	P	07/15/2025	14:05	LB136486
	Magnesium	2190	2000	110	65 - 135	P	07/15/2025	14:05	LB136486
	Manganese	22.2	20.0	111	65 - 135	P	07/15/2025	14:05	LB136486
	Nickel	39.2	40.0	98	65 - 135	P	07/15/2025	14:05	LB136486
	Potassium	1790	2000	90	65 - 135	P	07/15/2025	14:05	LB136486
	Selenium	22.3	20.0	111	65 - 135	P	07/15/2025	14:05	LB136486
	Silver	11.2	10.0	112	65 - 135	P	07/15/2025	14:05	LB136486
	Sodium	1810	2000	90	65 - 135	P	07/15/2025	14:05	LB136486
	Thallium	40.0	40.0	100	65 - 135	P	07/15/2025	14:05	LB136486
	Vanadium	40.1	40.0	100	65 - 135	P	07/15/2025	14:05	LB136486
	Zinc	40.0	40.0	100	65 - 135	P	07/15/2025	14:05	LB136486



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB16	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	11:17	LB136369

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB51	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	11:22	LB136369
CCB52	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	11:50	LB136369
CCB53	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	12:18	LB136369
CCB54	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	12:33	LB136369

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	29.5	+/-50	J	100	P	07/07/2025	13:45	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	13:45	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	13:45	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	13:45	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	13:45	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	13:45	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	13:45	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	13:45	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	13:45	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	13:45	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/07/2025	13:45	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	13:45	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	13:45	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	13:45	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	13:45	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	13:45	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	13:45	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	13:45	LB136390

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/07/2025	14:42	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	14:42	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	14:42	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	14:42	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	14:42	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	14:42	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	14:42	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	14:42	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	14:42	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	14:42	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/07/2025	14:42	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	14:42	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	14:42	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	14:42	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	14:42	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	14:42	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	14:42	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	14:42	LB136390
CCB02	Aluminum	11.3	+/-50	U	100	P	07/07/2025	15:34	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	15:34	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	15:34	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	15:34	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	15:34	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	15:34	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	15:34	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	15:34	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	15:34	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	15:34	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	15:34	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	15:34	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/07/2025	15:34	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	15:34	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	15:34	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	15:34	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	15:34	LB136390

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	07/07/2025	15:34	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	15:34	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	15:34	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	15:34	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	15:34	LB136390
CCB03	Aluminum	11.3	+/-50	U	100	P	07/07/2025	16:37	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	16:37	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	16:37	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	16:37	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	16:37	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	16:37	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	16:37	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	16:37	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	16:37	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	16:37	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/07/2025	16:37	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	16:37	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	16:37	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	16:37	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	16:37	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	16:37	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	16:37	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	16:37	LB136390
CCB04	Aluminum	11.3	+/-50	U	100	P	07/07/2025	17:35	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	17:35	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	17:35	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	17:35	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	17:35	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	17:35	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	17:35	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	17:35	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	17:35	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	17:35	LB136390

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	07/07/2025	17:35	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	17:35	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	17:35	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	17:35	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	17:35	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	17:35	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	17:35	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	17:35	LB136390
CCB05	Aluminum	12.2	+/-50	J	100	P	07/08/2025	01:47	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/08/2025	01:47	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	01:47	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/08/2025	01:47	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	01:47	LB136390
	Calcium	234	+/-1000	U	2000	P	07/08/2025	01:47	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/08/2025	01:47	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/08/2025	01:47	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Iron	23.4	+/-50	U	100	P	07/08/2025	01:47	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/08/2025	01:47	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/08/2025	01:47	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/08/2025	01:47	LB136390
	Potassium	918	+/-1000	U	2000	P	07/08/2025	01:47	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	01:47	LB136390
	Sodium	868	+/-1000	U	2000	P	07/08/2025	01:47	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/08/2025	01:47	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/08/2025	01:47	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/08/2025	01:47	LB136390
CCB06	Aluminum	11.3	+/-50	U	100	P	07/08/2025	02:53	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/08/2025	02:53	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	02:53	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/08/2025	02:53	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	02:53	LB136390
	Calcium	234	+/-1000	U	2000	P	07/08/2025	02:53	LB136390

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	07/08/2025	02:53	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/08/2025	02:53	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Iron	23.4	+/-50	U	100	P	07/08/2025	02:53	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/08/2025	02:53	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/08/2025	02:53	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/08/2025	02:53	LB136390
	Potassium	918	+/-1000	U	2000	P	07/08/2025	02:53	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	02:53	LB136390
	Sodium	868	+/-1000	U	2000	P	07/08/2025	02:53	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/08/2025	02:53	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/08/2025	02:53	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/08/2025	02:53	LB136390
CCB07	Aluminum	11.3	+/-50	U	100	P	07/08/2025	03:44	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/08/2025	03:44	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	03:44	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/08/2025	03:44	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	03:44	LB136390
	Calcium	234	+/-1000	U	2000	P	07/08/2025	03:44	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/08/2025	03:44	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/08/2025	03:44	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Iron	23.4	+/-50	U	100	P	07/08/2025	03:44	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/08/2025	03:44	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/08/2025	03:44	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/08/2025	03:44	LB136390
	Potassium	918	+/-1000	U	2000	P	07/08/2025	03:44	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	03:44	LB136390
	Sodium	868	+/-1000	U	2000	P	07/08/2025	03:44	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/08/2025	03:44	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/08/2025	03:44	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/08/2025	03:44	LB136390

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	31.1	+/-50	J	100	P	07/09/2025	10:22	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	10:22	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	10:22	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	10:22	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	10:22	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	10:22	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	10:22	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Iron	25.4	+/-50	J	100	P	07/09/2025	10:22	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	10:22	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Manganese	7.46	+/-10	J	20.0	P	07/09/2025	10:22	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	10:22	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Zinc	4.21	+/-20	J	40.0	P	07/09/2025	10:22	LB136407

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	10:57	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	10:57	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	10:57	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	10:57	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	10:57	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	10:57	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	10:57	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
CCB02	Aluminum	27.5	+/-50	J	100	P	07/09/2025	11:56	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	11:56	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	11:56	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	11:56	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	11:56	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	11:56	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	11:56	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	11:56	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	11:56	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	11:56	LB136407

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	07/09/2025	11:56	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
CCB03	Aluminum	65.9	+/-50	J*	100	P	07/09/2025	12:58	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	12:58	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	12:58	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	12:58	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	12:58	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	12:58	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	12:58	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	12:58	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	12:58	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	12:58	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
CCB04	Aluminum	47.3	+/-50	J	100	P	07/09/2025	14:28	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	14:28	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	14:28	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	14:28	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	14:28	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	14:28	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	14:28	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	14:28	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	14:28	LB136407

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473
Contract: JPCL01 **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	07/09/2025	14:28	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Silver	7.86	+/-5	J*	10.0	P	07/09/2025	14:28	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
CCB05	Aluminum	26.6	+/-50	J	100	P	07/09/2025	15:33	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	15:33	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	15:33	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	15:33	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	15:33	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	15:33	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	15:33	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	15:33	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	15:33	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Silver	6.92	+/-5	J*	10.0	P	07/09/2025	15:33	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
CCB06	Aluminum	18.8	+/-50	J	100	P	07/09/2025	16:43	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	16:43	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	16:43	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	16:43	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	16:43	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	16:43	LB136407

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473
Contract: JPCL01 **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	07/09/2025	16:43	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	16:43	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	16:43	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	16:43	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Silver	3.51	+/-5	J	10.0	P	07/09/2025	16:43	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
CCB07	Aluminum	11.3	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	17:54	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	17:54	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	17:54	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	17:54	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	17:54	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	17:54	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Silver	2.23	+/-5	J	10.0	P	07/09/2025	17:54	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
CCB08	Aluminum	44.5	+/-50	J	100	P	07/09/2025	18:58	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	18:58	LB136407

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	18:58	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	18:58	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	18:58	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	18:58	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	18:58	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	18:58	LB136407
	Lead	3.36	+/-6	J	12.0	P	07/09/2025	18:58	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Silver	2.96	+/-5	J	10.0	P	07/09/2025	18:58	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
CCB09	Aluminum	11.3	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	19:52	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	19:52	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	19:52	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	19:52	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	19:52	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Lead	2.75	+/-6	J	12.0	P	07/09/2025	19:52	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Silver	2.59	+/-5	J	10.0	P	07/09/2025	19:52	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	19:52	LB136407

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473
Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
CCB10	Aluminum	11.3	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	20:45	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	20:45	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	20:45	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	20:45	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	20:45	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	20:45	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Silver	1.92	+/-5	J	10.0	P	07/09/2025	20:45	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Aluminum	23.1	+/-50	J	100	P	07/09/2025	21:16	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	21:16	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	21:16	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	21:16	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	21:16	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	21:16	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	21:16	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	21:16	LB136407
	Lead	4.79	+/-6	J	12.0	P	07/09/2025	21:16	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	21:16	LB136407

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	21:16	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	21:16	LB136407

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	35.6	+/-50	J	100	P	07/15/2025	14:01	LB136486
	Antimony	6.76	+/-25	U	50.0	P	07/15/2025	14:01	LB136486
	Arsenic	5.12	+/-10	U	20.0	P	07/15/2025	14:01	LB136486
	Barium	14.6	+/-50	U	100	P	07/15/2025	14:01	LB136486
	Beryllium	0.56	+/-3	U	6.00	P	07/15/2025	14:01	LB136486
	Cadmium	0.50	+/-3	U	6.00	P	07/15/2025	14:01	LB136486
	Calcium	234	+/-1000	U	2000	P	07/15/2025	14:01	LB136486
	Chromium	2.12	+/-5	U	10.0	P	07/15/2025	14:01	LB136486
	Cobalt	2.26	+/-15	U	30.0	P	07/15/2025	14:01	LB136486
	Copper	4.60	+/-10	U	20.0	P	07/15/2025	14:01	LB136486
	Iron	23.4	+/-50	U	100	P	07/15/2025	14:01	LB136486
	Lead	2.30	+/-6	U	12.0	P	07/15/2025	14:01	LB136486
	Magnesium	244	+/-1000	U	2000	P	07/15/2025	14:01	LB136486
	Manganese	5.94	+/-10	U	20.0	P	07/15/2025	14:01	LB136486
	Nickel	3.06	+/-20	U	40.0	P	07/15/2025	14:01	LB136486
	Potassium	918	+/-1000	U	2000	P	07/15/2025	14:01	LB136486
	Selenium	9.64	+/-10	U	20.0	P	07/15/2025	14:01	LB136486
	Silver	1.62	+/-5	U	10.0	P	07/15/2025	14:01	LB136486
	Sodium	868	+/-1000	U	2000	P	07/15/2025	14:01	LB136486
	Thallium	4.38	+/-20	U	40.0	P	07/15/2025	14:01	LB136486
	Vanadium	6.26	+/-20	U	40.0	P	07/15/2025	14:01	LB136486
	Zinc	3.50	+/-20	U	40.0	P	07/15/2025	14:01	LB136486

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473
Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/15/2025	14:39	LB136486
	Antimony	6.76	+/-25	U	50.0	P	07/15/2025	14:39	LB136486
	Arsenic	5.12	+/-10	U	20.0	P	07/15/2025	14:39	LB136486
	Barium	14.6	+/-50	U	100	P	07/15/2025	14:39	LB136486
	Beryllium	0.56	+/-3	U	6.00	P	07/15/2025	14:39	LB136486
	Cadmium	0.50	+/-3	U	6.00	P	07/15/2025	14:39	LB136486
	Calcium	234	+/-1000	U	2000	P	07/15/2025	14:39	LB136486
	Chromium	2.12	+/-5	U	10.0	P	07/15/2025	14:39	LB136486
	Cobalt	2.26	+/-15	U	30.0	P	07/15/2025	14:39	LB136486
	Copper	4.60	+/-10	U	20.0	P	07/15/2025	14:39	LB136486
	Iron	23.4	+/-50	U	100	P	07/15/2025	14:39	LB136486
	Lead	2.30	+/-6	U	12.0	P	07/15/2025	14:39	LB136486
	Magnesium	244	+/-1000	U	2000	P	07/15/2025	14:39	LB136486
	Manganese	5.94	+/-10	U	20.0	P	07/15/2025	14:39	LB136486
	Nickel	3.06	+/-20	U	40.0	P	07/15/2025	14:39	LB136486
	Potassium	918	+/-1000	U	2000	P	07/15/2025	14:39	LB136486
	Selenium	9.64	+/-10	U	20.0	P	07/15/2025	14:39	LB136486
	Silver	1.62	+/-5	U	10.0	P	07/15/2025	14:39	LB136486
	Sodium	868	+/-1000	U	2000	P	07/15/2025	14:39	LB136486
	Thallium	4.38	+/-20	U	40.0	P	07/15/2025	14:39	LB136486
	Vanadium	6.26	+/-20	U	40.0	P	07/15/2025	14:39	LB136486
	Zinc	3.50	+/-20	U	40.0	P	07/15/2025	14:39	LB136486
CCB02	Aluminum	11.3	+/-50	U	100	P	07/15/2025	15:15	LB136486
	Antimony	6.76	+/-25	U	50.0	P	07/15/2025	15:15	LB136486
	Arsenic	5.12	+/-10	U	20.0	P	07/15/2025	15:15	LB136486
	Barium	14.6	+/-50	U	100	P	07/15/2025	15:15	LB136486
	Beryllium	0.56	+/-3	U	6.00	P	07/15/2025	15:15	LB136486
	Cadmium	0.50	+/-3	U	6.00	P	07/15/2025	15:15	LB136486
	Calcium	234	+/-1000	U	2000	P	07/15/2025	15:15	LB136486
	Chromium	2.12	+/-5	U	10.0	P	07/15/2025	15:15	LB136486
	Cobalt	2.26	+/-15	U	30.0	P	07/15/2025	15:15	LB136486
	Copper	4.60	+/-10	U	20.0	P	07/15/2025	15:15	LB136486
	Iron	23.4	+/-50	U	100	P	07/15/2025	15:15	LB136486
	Lead	2.30	+/-6	U	12.0	P	07/15/2025	15:15	LB136486
	Magnesium	244	+/-1000	U	2000	P	07/15/2025	15:15	LB136486
	Manganese	5.94	+/-10	U	20.0	P	07/15/2025	15:15	LB136486
	Nickel	3.06	+/-20	U	40.0	P	07/15/2025	15:15	LB136486
	Potassium	918	+/-1000	U	2000	P	07/15/2025	15:15	LB136486
	Selenium	9.64	+/-10	U	20.0	P	07/15/2025	15:15	LB136486

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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	07/15/2025	15:15	LB136486
	Sodium	868	+/-1000	U	2000	P	07/15/2025	15:15	LB136486
	Thallium	4.38	+/-20	U	40.0	P	07/15/2025	15:15	LB136486
	Vanadium	6.26	+/-20	U	40.0	P	07/15/2025	15:15	LB136486
	Zinc	3.50	+/-20	U	40.0	P	07/15/2025	15:15	LB136486

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168719BL		SOLID		Batch Number:	PB168719		Prep Date:	07/02/2025	
	Mercury	0.0080	<0.013	U	0.013	CV	07/03/2025	12:20	LB136369

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168713BL	SOLID			Batch Number:	PB168713		Prep Date:	07/03/2025	
	Aluminum	0.84	<2.5	U	5.00	P	07/07/2025	16:45	LB136390
	Antimony	0.22	<1.25	U	2.50	P	07/07/2025	16:45	LB136390
	Arsenic	0.19	<0.5	U	1.00	P	07/07/2025	16:45	LB136390
	Barium	0.73	<2.5	U	5.00	P	07/07/2025	16:45	LB136390
	Beryllium	0.025	<0.15	U	0.30	P	07/07/2025	16:45	LB136390
	Cadmium	0.024	<0.15	U	0.30	P	07/07/2025	16:45	LB136390
	Calcium	11.1	<50	U	100	P	07/07/2025	16:45	LB136390
	Chromium	0.047	<0.25	U	0.50	P	07/07/2025	16:45	LB136390
	Cobalt	0.10	<0.75	U	1.50	P	07/07/2025	16:45	LB136390
	Copper	0.22	<0.5	U	1.00	P	07/07/2025	16:45	LB136390
	Iron	3.99	<2.5	U	5.00	P	07/07/2025	16:45	LB136390
	Lead	0.13	<0.3	U	0.60	P	07/07/2025	16:45	LB136390
	Magnesium	12.0	<50	U	100	P	07/07/2025	16:45	LB136390
	Manganese	0.14	<0.5	U	1.00	P	07/07/2025	16:45	LB136390
	Nickel	0.13	<1	U	2.00	P	07/07/2025	16:45	LB136390
	Potassium	27.7	<50	U	100	P	07/07/2025	16:45	LB136390
	Selenium	0.26	<0.5	U	1.00	P	07/07/2025	16:45	LB136390
	Silver	0.12	<0.25	U	0.50	P	07/07/2025	16:45	LB136390
	Sodium	17.8	<50	U	100	P	07/07/2025	16:45	LB136390
	Thallium	0.23	<1	U	2.00	P	07/07/2025	16:45	LB136390
	Vanadium	0.25	<1	U	2.00	P	07/07/2025	16:45	LB136390
	Zinc	0.23	<1	U	2.00	P	07/07/2025	16:45	LB136390

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>JPCL Engineering</u>	SDG No.: <u>Q2473</u>
Contract: <u>JPCL01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	241000	255000	94	216000	294000	07/07/2025	13:53	LB136390
	Antimony	5.00			-50	50	07/07/2025	13:53	LB136390
	Arsenic	-4.19			-20	20	07/07/2025	13:53	LB136390
	Barium	-3.69	6.0	62	-94	106	07/07/2025	13:53	LB136390
	Beryllium	0.58			-6	6	07/07/2025	13:53	LB136390
	Cadmium	-0.042	1.0	4	-5	7	07/07/2025	13:53	LB136390
	Calcium	231000	245000	94	208000	282000	07/07/2025	13:53	LB136390
	Chromium	53.6	52.0	103	42	62	07/07/2025	13:53	LB136390
	Cobalt	0.58			-30	30	07/07/2025	13:53	LB136390
	Copper	10.9	2.0	544	-18	22	07/07/2025	13:53	LB136390
	Iron	101000	101000	100	85600	116500	07/07/2025	13:53	LB136390
	Lead	-5.45			-12	12	07/07/2025	13:53	LB136390
	Magnesium	244000	255000	96	216000	294000	07/07/2025	13:53	LB136390
	Manganese	6.77	7.0	97	-13	27	07/07/2025	13:53	LB136390
	Nickel	15.9	2.0	795	-38	42	07/07/2025	13:53	LB136390
	Potassium	133			0	0	07/07/2025	13:53	LB136390
	Selenium	8.20			-20	20	07/07/2025	13:53	LB136390
	Silver	-6.96			-10	10	07/07/2025	13:53	LB136390
	Sodium	101			0	0	07/07/2025	13:53	LB136390
	Thallium	-0.81			-40	40	07/07/2025	13:53	LB136390
	Vanadium	4.26			-40	40	07/07/2025	13:53	LB136390
	Zinc	3.42			-40	40	07/07/2025	13:53	LB136390
ICSAB01	Aluminum	238000	247000	96	209000	285000	07/07/2025	14:10	LB136390
	Antimony	622	618	101	525	711	07/07/2025	14:10	LB136390
	Arsenic	99.1	104	95	88.4	120	07/07/2025	14:10	LB136390
	Barium	455	537	85	437	637	07/07/2025	14:10	LB136390
	Beryllium	472	495	95	420	570	07/07/2025	14:10	LB136390
	Cadmium	992	972	102	826	1120	07/07/2025	14:10	LB136390
	Calcium	227000	235000	97	199000	271000	07/07/2025	14:10	LB136390
	Chromium	558	542	103	460	624	07/07/2025	14:10	LB136390
	Cobalt	501	476	105	404	548	07/07/2025	14:10	LB136390
	Copper	495	511	97	434	588	07/07/2025	14:10	LB136390
	Iron	103000	99300	104	84400	114500	07/07/2025	14:10	LB136390
	Lead	41.5	49.0	85	37	61	07/07/2025	14:10	LB136390
	Magnesium	238000	248000	96	210000	286000	07/07/2025	14:10	LB136390
	Manganese	473	507	93	430	584	07/07/2025	14:10	LB136390
	Nickel	1010	954	106	810	1100	07/07/2025	14:10	LB136390
	Potassium	-260			0	0	07/07/2025	14:10	LB136390
	Selenium	53.0	46.0	115	26	66	07/07/2025	14:10	LB136390
	Silver	208	201	104	170	232	07/07/2025	14:10	LB136390
	Sodium	16.7			0	0	07/07/2025	14:10	LB136390
	Thallium	78.7	108	73	68	148	07/07/2025	14:10	LB136390

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>JPCL Engineering</u>	SDG No.: <u>Q2473</u>
Contract: <u>JPCL01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	459	491	94	417	565	07/07/2025	14:10	LB136390
	Zinc	1050	952	110	809	1095	07/07/2025	14:10	LB136390
ICSA	Aluminum	240000	255000	94	216000	294000	07/07/2025	14:15	LB136390
	Antimony	9.95			-50	50	07/07/2025	14:15	LB136390
	Arsenic	-16.2			-20	20	07/07/2025	14:15	LB136390
	Barium	-48.6	6.0	810	-94	106	07/07/2025	14:15	LB136390
	Beryllium	-0.36			-6	6	07/07/2025	14:15	LB136390
	Cadmium	-2.96	1.0	296	-5	7	07/07/2025	14:15	LB136390
	Calcium	236000	245000	96	208000	282000	07/07/2025	14:15	LB136390
	Chromium	153	52.0	294	42	62	07/07/2025	14:15	LB136390
	Cobalt	1.25			-30	30	07/07/2025	14:15	LB136390
	Copper	24.1	2.0	1205	-18	22	07/07/2025	14:15	LB136390
	Iron	99500	101000	98	85600	116500	07/07/2025	14:15	LB136390
	Lead	0.64			-12	12	07/07/2025	14:15	LB136390
	Magnesium	244000	255000	96	216000	294000	07/07/2025	14:15	LB136390
	Manganese	11.2	7.0	160	-13	27	07/07/2025	14:15	LB136390
	Nickel	70.7	2.0	3535	-38	42	07/07/2025	14:15	LB136390
	Potassium	-7370			0	0	07/07/2025	14:15	LB136390
	Selenium	-53.4			-20	20	07/07/2025	14:15	LB136390
	Silver	-8.88			-10	10	07/07/2025	14:15	LB136390
	Sodium	-118			0	0	07/07/2025	14:15	LB136390
	Thallium	-40.5			-40	40	07/07/2025	14:15	LB136390
	Vanadium	8.77			-40	40	07/07/2025	14:15	LB136390
	Zinc	12.7			-40	40	07/07/2025	14:15	LB136390
ICSAB	Aluminum	244000	247000	99	209000	285000	07/07/2025	14:19	LB136390
	Antimony	588	618	95	525	711	07/07/2025	14:19	LB136390
	Arsenic	94.5	104	91	88.4	120	07/07/2025	14:19	LB136390
	Barium	474	537	88	437	637	07/07/2025	14:19	LB136390
	Beryllium	493	495	100	420	570	07/07/2025	14:19	LB136390
	Cadmium	970	972	100	826	1120	07/07/2025	14:19	LB136390
	Calcium	242000	235000	103	199000	271000	07/07/2025	14:19	LB136390
	Chromium	587	542	108	460	624	07/07/2025	14:19	LB136390
	Cobalt	489	476	103	404	548	07/07/2025	14:19	LB136390
	Copper	515	511	101	434	588	07/07/2025	14:19	LB136390
	Iron	102000	99300	103	84400	114500	07/07/2025	14:19	LB136390
	Lead	47.0	49.0	96	37	61	07/07/2025	14:19	LB136390
	Magnesium	250000	248000	101	210000	286000	07/07/2025	14:19	LB136390
	Manganese	490	507	97	430	584	07/07/2025	14:19	LB136390
	Nickel	1000	954	105	810	1100	07/07/2025	14:19	LB136390
	Potassium	-8010			0	0	07/07/2025	14:19	LB136390
	Selenium	19.1	46.0	42	26	66	07/07/2025	14:19	LB136390
	Silver	227	201	113	170	232	07/07/2025	14:19	LB136390

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>JPCL Engineering</u>	SDG No.: <u>Q2473</u>
Contract: <u>JPCL01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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
ICSAB	Sodium	-111			0	0	07/07/2025	14:19	LB136390
	Thallium	48.2	108	45	68	148	07/07/2025	14:19	LB136390
	Vanadium	527	491	107	417	565	07/07/2025	14:19	LB136390
	Zinc	1030	952	108	809	1095	07/07/2025	14:19	LB136390
ICSA01	Aluminum	245000	250000	98	216000	294000	07/09/2025	10:31	LB136407
	Antimony	23.3			-50	50	07/09/2025	10:31	LB136407
	Arsenic	5.46			-20	20	07/09/2025	10:31	LB136407
	Barium	8.02	6.0	134	-94	106	07/09/2025	10:31	LB136407
	Beryllium	1.50			-6	6	07/09/2025	10:31	LB136407
	Cadmium	-0.43	1.0	43	-5	7	07/09/2025	10:31	LB136407
	Calcium	242000	240000	101	208000	282000	07/09/2025	10:31	LB136407
	Chromium	52.2	52.0	100	42	62	07/09/2025	10:31	LB136407
	Cobalt	27.0			-30	30	07/09/2025	10:31	LB136407
	Copper	-4.74	2.0	237	-18	22	07/09/2025	10:31	LB136407
	Iron	96800	100000	97	85600	116500	07/09/2025	10:31	LB136407
	Lead	-5.64			-12	12	07/09/2025	10:31	LB136407
	Magnesium	242000	260000	93	216000	294000	07/09/2025	10:31	LB136407
	Manganese	3.37	7.0	48	-13	27	07/09/2025	10:31	LB136407
	Nickel	13.5	2.0	675	-38	42	07/09/2025	10:31	LB136407
	Potassium	10.6			0	0	07/09/2025	10:31	LB136407
	Selenium	-11.2			-20	20	07/09/2025	10:31	LB136407
	Silver	-2.41			-10	10	07/09/2025	10:31	LB136407
	Sodium	119			0	0	07/09/2025	10:31	LB136407
	Thallium	16.7			-40	40	07/09/2025	10:31	LB136407
	Vanadium	1.75			-40	40	07/09/2025	10:31	LB136407
	Zinc	10.9			-40	40	07/09/2025	10:31	LB136407
ICSAB01	Aluminum	245000	250000	98	209000	285000	07/09/2025	10:35	LB136407
	Antimony	621	620	100	525	711	07/09/2025	10:35	LB136407
	Arsenic	98.6	100	99	88.4	120	07/09/2025	10:35	LB136407
	Barium	529	540	98	437	637	07/09/2025	10:35	LB136407
	Beryllium	514	500	103	420	570	07/09/2025	10:35	LB136407
	Cadmium	984	970	101	826	1120	07/09/2025	10:35	LB136407
	Calcium	241000	230000	105	199000	271000	07/09/2025	10:35	LB136407
	Chromium	555	540	103	460	624	07/09/2025	10:35	LB136407
	Cobalt	506	480	105	404	548	07/09/2025	10:35	LB136407
	Copper	479	510	94	434	588	07/09/2025	10:35	LB136407
	Iron	98200	99000	99	84400	114500	07/09/2025	10:35	LB136407
	Lead	38.6	49.0	79	37	61	07/09/2025	10:35	LB136407
	Magnesium	243000	250000	97	210000	286000	07/09/2025	10:35	LB136407
	Manganese	498	510	98	430	584	07/09/2025	10:35	LB136407
	Nickel	966	950	102	810	1100	07/09/2025	10:35	LB136407
	Potassium	9.40			0	0	07/09/2025	10:35	LB136407

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>JPCL Engineering</u>	SDG No.: <u>Q2473</u>
Contract: <u>JPCL01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P5</u>

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	Selenium	40.2	46.0	87	26	66	07/09/2025	10:35	LB136407
	Silver	209	200	104	170	232	07/09/2025	10:35	LB136407
	Sodium	100			0	0	07/09/2025	10:35	LB136407
	Thallium	101	110	92	68	148	07/09/2025	10:35	LB136407
	Vanadium	489	490	100	417	565	07/09/2025	10:35	LB136407
	Zinc	1030	950	108	809	1095	07/09/2025	10:35	LB136407
ICSA	Aluminum	256000	250000	102	216000	294000	07/09/2025	10:39	LB136407
	Antimony	56.4			-50	50	07/09/2025	10:39	LB136407
	Arsenic	-38.5			-20	20	07/09/2025	10:39	LB136407
	Barium	3.35	6.0	56	-94	106	07/09/2025	10:39	LB136407
	Beryllium	3.59			-6	6	07/09/2025	10:39	LB136407
	Cadmium	-4.72	1.0	472	-5	7	07/09/2025	10:39	LB136407
	Calcium	253000	240000	105	208000	282000	07/09/2025	10:39	LB136407
	Chromium	30.5	52.0	59	42	62	07/09/2025	10:39	LB136407
	Cobalt	120			-30	30	07/09/2025	10:39	LB136407
	Copper	39.8	2.0	1990	-18	22	07/09/2025	10:39	LB136407
	Iron	108000	100000	108	85600	116500	07/09/2025	10:39	LB136407
	Lead	24.1			-12	12	07/09/2025	10:39	LB136407
	Magnesium	259000	260000	100	216000	294000	07/09/2025	10:39	LB136407
	Manganese	25.6	7.0	366	-13	27	07/09/2025	10:39	LB136407
	Nickel	-4.00	2.0	200	-38	42	07/09/2025	10:39	LB136407
	Potassium	59.1			0	0	07/09/2025	10:39	LB136407
	Selenium	91.3			-20	20	07/09/2025	10:39	LB136407
	Silver	-6.28			-10	10	07/09/2025	10:39	LB136407
	Sodium	-123			0	0	07/09/2025	10:39	LB136407
	Thallium	-21.0			-40	40	07/09/2025	10:39	LB136407
	Vanadium	-159			-40	40	07/09/2025	10:39	LB136407
	Zinc	21.5			-40	40	07/09/2025	10:39	LB136407
ICSAB	Aluminum	239000	250000	96	209000	285000	07/09/2025	10:44	LB136407
	Antimony	588	620	95	525	711	07/09/2025	10:44	LB136407
	Arsenic	95.9	100	96	88.4	120	07/09/2025	10:44	LB136407
	Barium	555	540	103	437	637	07/09/2025	10:44	LB136407
	Beryllium	497	500	99	420	570	07/09/2025	10:44	LB136407
	Cadmium	885	970	91	826	1120	07/09/2025	10:44	LB136407
	Calcium	236000	230000	103	199000	271000	07/09/2025	10:44	LB136407
	Chromium	527	540	98	460	624	07/09/2025	10:44	LB136407
	Cobalt	563	480	117	404	548	07/09/2025	10:44	LB136407
	Copper	517	510	101	434	588	07/09/2025	10:44	LB136407
	Iron	101000	99000	102	84400	114500	07/09/2025	10:44	LB136407
	Lead	15.6	49.0	32	37	61	07/09/2025	10:44	LB136407
	Magnesium	245000	250000	98	210000	286000	07/09/2025	10:44	LB136407
	Manganese	558	510	109	430	584	07/09/2025	10:44	LB136407

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>JPCL Engineering</u>	SDG No.: <u>Q2473</u>
Contract: <u>JPCL01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P5</u>

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
ICSAB	Nickel	883	950	93	810	1100	07/09/2025	10:44	LB136407
	Potassium	-58.8			0	0	07/09/2025	10:44	LB136407
	Selenium	-15.1	46.0	33	26	66	07/09/2025	10:44	LB136407
	Silver	181	200	90	170	232	07/09/2025	10:44	LB136407
	Sodium	-8.12			0	0	07/09/2025	10:44	LB136407
	Thallium	109	110	99	68	148	07/09/2025	10:44	LB136407
	Vanadium	305	490	62	417	565	07/09/2025	10:44	LB136407
	Zinc	991	950	104	809	1095	07/09/2025	10:44	LB136407
ICSA01	Aluminum	247000	250000	99	216000	294000	07/15/2025	14:10	LB136486
	Antimony	21.6			-50	50	07/15/2025	14:10	LB136486
	Arsenic	-2.03			-20	20	07/15/2025	14:10	LB136486
	Barium	6.35	6.0	106	-94	106	07/15/2025	14:10	LB136486
	Beryllium	1.09			-6	6	07/15/2025	14:10	LB136486
	Cadmium	-1.17	1.0	117	-5	7	07/15/2025	14:10	LB136486
	Calcium	236000	240000	98	208000	282000	07/15/2025	14:10	LB136486
	Chromium	52.5	52.0	101	42	62	07/15/2025	14:10	LB136486
	Cobalt	3.22			-30	30	07/15/2025	14:10	LB136486
	Copper	-6.71	2.0	336	-18	22	07/15/2025	14:10	LB136486
	Iron	97400	100000	97	85600	116500	07/15/2025	14:10	LB136486
	Lead	-0.60			-12	12	07/15/2025	14:10	LB136486
	Magnesium	242000	260000	93	216000	294000	07/15/2025	14:10	LB136486
	Manganese	6.23	7.0	89	-13	27	07/15/2025	14:10	LB136486
	Nickel	3.30	2.0	165	-38	42	07/15/2025	14:10	LB136486
	Potassium	5.78			0	0	07/15/2025	14:10	LB136486
	Selenium	-7.22			-20	20	07/15/2025	14:10	LB136486
	Silver	-0.55			-10	10	07/15/2025	14:10	LB136486
	Sodium	113			0	0	07/15/2025	14:10	LB136486
	Thallium	22.2			-40	40	07/15/2025	14:10	LB136486
	Vanadium	3.62			-40	40	07/15/2025	14:10	LB136486
	Zinc	10.5			-40	40	07/15/2025	14:10	LB136486
ICSAB01	Aluminum	245000	250000	98	209000	285000	07/15/2025	14:21	LB136486
	Antimony	611	620	98	525	711	07/15/2025	14:21	LB136486
	Arsenic	92.3	100	92	88.4	120	07/15/2025	14:21	LB136486
	Barium	490	540	91	437	637	07/15/2025	14:21	LB136486
	Beryllium	488	500	98	420	570	07/15/2025	14:21	LB136486
	Cadmium	959	970	99	826	1120	07/15/2025	14:21	LB136486
	Calcium	234000	230000	102	199000	271000	07/15/2025	14:21	LB136486
	Chromium	529	540	98	460	624	07/15/2025	14:21	LB136486
	Cobalt	478	480	100	404	548	07/15/2025	14:21	LB136486
	Copper	462	510	91	434	588	07/15/2025	14:21	LB136486
	Iron	95400	99000	96	84400	114500	07/15/2025	14:21	LB136486
	Lead	48.6	49.0	99	37	61	07/15/2025	14:21	LB136486

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>JPCL Engineering</u>	SDG No.: <u>Q2473</u>
Contract: <u>JPCL01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P5</u>

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	Magnesium	240000	250000	96	210000	286000	07/15/2025	14:21	LB136486
	Manganese	477	510	94	430	584	07/15/2025	14:21	LB136486
	Nickel	952	950	100	810	1100	07/15/2025	14:21	LB136486
	Potassium	-2.22			0	0	07/15/2025	14:21	LB136486
	Selenium	38.5	46.0	84	26	66	07/15/2025	14:21	LB136486
	Silver	208	200	104	170	232	07/15/2025	14:21	LB136486
	Sodium	99.8			0	0	07/15/2025	14:21	LB136486
	Thallium	101	110	92	68	148	07/15/2025	14:21	LB136486
	Vanadium	467	490	95	417	565	07/15/2025	14:21	LB136486
	Zinc	977	950	103	809	1095	07/15/2025	14:21	LB136486
ICSA	Aluminum	246000	250000	98	216000	294000	07/15/2025	14:26	LB136486
	Antimony	38.5			-50	50	07/15/2025	14:26	LB136486
	Arsenic	-116			-20	20	07/15/2025	14:26	LB136486
	Barium	2.83	6.0	47	-94	106	07/15/2025	14:26	LB136486
	Beryllium	-0.20			-6	6	07/15/2025	14:26	LB136486
	Cadmium	-2.62	1.0	262	-5	7	07/15/2025	14:26	LB136486
	Calcium	238000	240000	99	208000	282000	07/15/2025	14:26	LB136486
	Chromium	46.1	52.0	89	42	62	07/15/2025	14:26	LB136486
	Cobalt	113			-30	30	07/15/2025	14:26	LB136486
	Copper	2.79	2.0	140	-18	22	07/15/2025	14:26	LB136486
	Iron	107000	100000	107	85600	116500	07/15/2025	14:26	LB136486
	Lead	20.6			-12	12	07/15/2025	14:26	LB136486
	Magnesium	247000	260000	95	216000	294000	07/15/2025	14:26	LB136486
	Manganese	59.8	7.0	854	-13	27	07/15/2025	14:26	LB136486
	Nickel	-0.74	2.0	37	-38	42	07/15/2025	14:26	LB136486
	Potassium	-695			0	0	07/15/2025	14:26	LB136486
	Selenium	21.5			-20	20	07/15/2025	14:26	LB136486
	Silver	-13.2			-10	10	07/15/2025	14:26	LB136486
	Sodium	-321			0	0	07/15/2025	14:26	LB136486
	Thallium	98.2			-40	40	07/15/2025	14:26	LB136486
	Vanadium	92.6			-40	40	07/15/2025	14:26	LB136486
	Zinc	8.05			-40	40	07/15/2025	14:26	LB136486
ICSAB	Aluminum	258000	250000	103	209000	285000	07/15/2025	14:30	LB136486
	Antimony	670	620	108	525	711	07/15/2025	14:30	LB136486
	Arsenic	-16.0	100	16	88.4	120	07/15/2025	14:30	LB136486
	Barium	558	540	103	437	637	07/15/2025	14:30	LB136486
	Beryllium	554	500	111	420	570	07/15/2025	14:30	LB136486
	Cadmium	989	970	102	826	1120	07/15/2025	14:30	LB136486
	Calcium	249000	230000	108	199000	271000	07/15/2025	14:30	LB136486
	Chromium	617	540	114	460	624	07/15/2025	14:30	LB136486
	Cobalt	627	480	131	404	548	07/15/2025	14:30	LB136486
	Copper	581	510	114	434	588	07/15/2025	14:30	LB136486

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>JPCL Engineering</u>	SDG No.: <u>Q2473</u>
Contract: <u>JPCL01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P5</u>

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
ICSAB	Iron	112000	99000	113	84400	114500	07/15/2025	14:30	LB136486
	Lead	72.1	49.0	147	37	61	07/15/2025	14:30	LB136486
	Magnesium	259000	250000	104	210000	286000	07/15/2025	14:30	LB136486
	Manganese	622	510	122	430	584	07/15/2025	14:30	LB136486
	Nickel	1010	950	106	810	1100	07/15/2025	14:30	LB136486
	Potassium	-673			0	0	07/15/2025	14:30	LB136486
	Selenium	-40.1	46.0	87	26	66	07/15/2025	14:30	LB136486
	Silver	79.4	200	40	170	232	07/15/2025	14:30	LB136486
	Sodium	-616			0	0	07/15/2025	14:30	LB136486
	Thallium	175	110	159	68	148	07/15/2025	14:30	LB136486
	Vanadium	414	490	84	417	565	07/15/2025	14:30	LB136486
	Zinc	1070	950	113	809	1095	07/15/2025	14:30	LB136486



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>JPCL Engineering</u>	level: <u>low</u>	sdg no.: <u>Q2473</u>
contract: <u>JPCL01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2484-06</u>	client id: <u>TP-104MS</u>
Percent Solids for Sample: 87.3	Spiked ID: Q2484-06MS	Percent Solids for Spike Sample: 87.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11500		9230		95.5	2372		P
Antimony	mg/Kg	75 - 125	9.41		1.16	J	38.2	22	N	P
Arsenic	mg/Kg	75 - 125	43.0		7.48		38.2	93		P
Barium	mg/Kg	75 - 125	33.9		24.3		9.5	101		P
Beryllium	mg/Kg	75 - 125	8.26		0.73		9.5	79		P
Cadmium	mg/Kg	75 - 125	8.89		0.29	U	9.5	93		P
Calcium	mg/Kg	75 - 125	569		353		47.7	452		P
Chromium	mg/Kg	75 - 125	31.4		15.8		19.1	81		P
Cobalt	mg/Kg	75 - 125	8.21		1.43	U	9.5	86		P
Copper	mg/Kg	75 - 125	18.5		4.84		14.3	95		P
Iron	mg/Kg	75 - 125	20000		19400		140	365		P
Lead	mg/Kg	75 - 125	57.7		13.1		47.7	93		P
Magnesium	mg/Kg	75 - 125	858		717		95.5	148		P
Manganese	mg/Kg	75 - 125	73.7		73.8		9.5	-1		P
Mercury	mg/Kg	80 - 120	0.36		0.039		0.29	110		CV
Nickel	mg/Kg	75 - 125	31.3		7.27		23.9	101		P
Potassium	mg/Kg	75 - 125	857		420		480	91		P
Selenium	mg/Kg	75 - 125	70.7		4.47		95.5	69	N	P
Silver	mg/Kg	75 - 125	2.34		0.48	U	3.6	65	N	P
Sodium	mg/Kg	75 - 125	351		253		140	69	N	P
Thallium	mg/Kg	75 - 125	86.4		1.91	U	95.5	90		P
Vanadium	mg/Kg	75 - 125	41.6		30.8		14.3	76		P
Zinc	mg/Kg	75 - 125	24.4		16.3		9.5	85		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>JPCL Engineering</u>	level: <u>low</u>	sdg no.: <u>Q2473</u>
contract: <u>JPCL01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q2484-06</u>	client id: <u>TP-104MSD</u>
Percent Solids for Sample: 87.3	Spiked ID: Q2484-06MSD	Percent Solids for Spike Sample: 87.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11800		9230		100	2492		P
Antimony	mg/Kg	75 - 125	10.8		1.16	J	41.1	23	N	P
Arsenic	mg/Kg	75 - 125	46.1		7.48		41.1	94		P
Barium	mg/Kg	75 - 125	32.4		24.3		10.3	78		P
Beryllium	mg/Kg	75 - 125	8.98		0.73		10.3	80		P
Cadmium	mg/Kg	75 - 125	9.81		0.29	U	10.3	96		P
Calcium	mg/Kg	75 - 125	445		353		51.4	179		P
Chromium	mg/Kg	75 - 125	32.6		15.8		20.5	81		P
Cobalt	mg/Kg	75 - 125	8.78		1.43	U	10.3	86		P
Copper	mg/Kg	75 - 125	19.0		4.84		15.4	92		P
Iron	mg/Kg	75 - 125	19900		19400		150	285		P
Lead	mg/Kg	75 - 125	60.7		13.1		51.4	93		P
Magnesium	mg/Kg	75 - 125	869		717		100	148		P
Manganese	mg/Kg	75 - 125	71.4		73.8		10.3	-23		P
Mercury	mg/Kg	80 - 120	0.38		0.039		0.31	111		CV
Nickel	mg/Kg	75 - 125	33.2		7.27		25.7	101		P
Potassium	mg/Kg	75 - 125	1050		420		510	122		P
Selenium	mg/Kg	75 - 125	79.1		4.47		100	73	N	P
Silver	mg/Kg	75 - 125	2.61		0.48	U	3.9	68	N	P
Sodium	mg/Kg	75 - 125	364		253		150	72	N	P
Thallium	mg/Kg	75 - 125	94.9		1.91	U	100	92		P
Vanadium	mg/Kg	75 - 125	43.5		30.8		15.4	83		P
Zinc	mg/Kg	75 - 125	24.6		16.3		10.3	81		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>JPCL Engineering</u>	SDG No.: <u>Q2473</u>	
Contract: <u>JPCL01</u>	Lab Code: <u>ACE</u>	
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>TP-104A</u>
Sample ID: <u>Q2484-06</u>	Spiked ID: <u>Q2484-06A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	30.9		1.16	J	38.2	78		P
Selenium	mg/Kg	75 - 125	76.7		4.47		95.5	76		P
Silver	mg/Kg	75 - 125	2.57		0.48	U	3.60	71	N	P
Sodium	mg/Kg	75 - 125	365		253		140	80		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>JPCL Engineering</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2473</u>
Contract:	<u>JPCL01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2484-06</u>	Client ID:	<u>TP-104DUP</u>
Percent Solids for Sample:	87.3	Duplicate ID	Q2484-06DUP	Percent Solids for Spike Sample:	87.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9230		9580		4		P
Antimony	mg/Kg	20	1.16	J	1.19	J	3		P
Arsenic	mg/Kg	20	7.48		7.54		1		P
Barium	mg/Kg	20	24.3		25.4		4		P
Beryllium	mg/Kg	20	0.73		0.76		4		P
Cadmium	mg/Kg	20	0.29	U	0.30	U			P
Calcium	mg/Kg	20	353		363		3		P
Chromium	mg/Kg	20	15.8		16.2		2		P
Cobalt	mg/Kg	20	1.43	U	1.47	U			P
Copper	mg/Kg	20	4.84		5.16		6		P
Iron	mg/Kg	20	19400		20400		5		P
Lead	mg/Kg	20	13.1		13.1		0		P
Magnesium	mg/Kg	20	717		762		6		P
Manganese	mg/Kg	20	73.8		72.4		2		P
Mercury	mg/Kg	20	0.039		0.035		11		CV
Nickel	mg/Kg	20	7.27		7.55		4		P
Potassium	mg/Kg	20	420		431		3		P
Selenium	mg/Kg	20	4.47		4.70		5		P
Silver	mg/Kg	20	0.48	U	0.49	U			P
Sodium	mg/Kg	20	253		264		4		P
Thallium	mg/Kg	20	1.91	U	1.97	U			P
Vanadium	mg/Kg	20	30.8		31.6		3		P
Zinc	mg/Kg	20	16.3		17.1		5		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: <u>JPCL Engineering</u>	Level: <u>LOW</u>	SDG No.: <u>Q2473</u>
Contract: <u>JPCL01</u>		Lab Code: <u>ACE</u>
Matrix: <u>Solid</u>	Sample ID: <u>Q2484-06MS</u>	Client ID: <u>TP-104MSD</u>
Percent Solids for Sample: 87.3	Duplicate ID Q2484-06MSD	Percent Solids for Spike Sample: 87.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11500		11800		3		P
Antimony	mg/Kg	20	9.41		10.8		13		P
Arsenic	mg/Kg	20	43.0		46.1		7		P
Barium	mg/Kg	20	33.9		32.4		5		P
Beryllium	mg/Kg	20	8.26		8.98		8		P
Cadmium	mg/Kg	20	8.89		9.81		10		P
Calcium	mg/Kg	20	569		445		24	*	P
Chromium	mg/Kg	20	31.4		32.6		4		P
Cobalt	mg/Kg	20	8.21		8.78		7		P
Copper	mg/Kg	20	18.5		19.0		3		P
Iron	mg/Kg	20	20000		19900		1		P
Lead	mg/Kg	20	57.7		60.7		5		P
Magnesium	mg/Kg	20	858		869		1		P
Manganese	mg/Kg	20	73.7		71.4		3		P
Mercury	mg/Kg	20	0.36		0.38		7		CV
Nickel	mg/Kg	20	31.3		33.2		6		P
Potassium	mg/Kg	20	857		1050		20		P
Selenium	mg/Kg	20	70.7		79.1		11		P
Silver	mg/Kg	20	2.34		2.61		11		P
Sodium	mg/Kg	20	351		364		4		P
Thallium	mg/Kg	20	86.4		94.9		9		P
Vanadium	mg/Kg	20	41.6		43.5		4		P
Zinc	mg/Kg	20	24.4		24.6		1		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>JPCL Engineering</u>	SDG No.:	<u>Q2473</u>
Contract:	<u>JPCL01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168713BS							
Aluminum	mg/Kg	100	96.5		96	80 - 120	P
Antimony	mg/Kg	40.0	39.2		98	80 - 120	P
Arsenic	mg/Kg	40.0	38.3		96	80 - 120	P
Barium	mg/Kg	10.0	10.2		102	80 - 120	P
Beryllium	mg/Kg	10.0	9.58		96	80 - 120	P
Cadmium	mg/Kg	10.0	9.63		96	80 - 120	P
Calcium	mg/Kg	50.0	50.6	J	101	80 - 120	P
Chromium	mg/Kg	20.0	20.9		104	80 - 120	P
Cobalt	mg/Kg	10.0	9.78		98	80 - 120	P
Copper	mg/Kg	15.0	15.1		101	80 - 120	P
Iron	mg/Kg	150	151		101	80 - 120	P
Lead	mg/Kg	50.0	47.3		95	80 - 120	P
Magnesium	mg/Kg	100	96.0	J	96	80 - 120	P
Manganese	mg/Kg	10.0	9.86		99	80 - 120	P
Nickel	mg/Kg	25.0	25.2		101	80 - 120	P
Potassium	mg/Kg	500	484		97	80 - 120	P
Selenium	mg/Kg	100	94.9		95	80 - 120	P
Silver	mg/Kg	3.8	3.56		94	80 - 120	P
Sodium	mg/Kg	150	154		103	80 - 120	P
Thallium	mg/Kg	100	81.4		81	80 - 120	P
Vanadium	mg/Kg	15.0	14.2		95	80 - 120	P
Zinc	mg/Kg	10.0	10.3		103	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168719BS Mercury	mg/Kg	0.25	0.27		107	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

TP-104L

Lab Name: Alliance **Contract:** JPCL01
Lab Code: ACE **Lb No.:** lb136486 **Lab Sample ID :** Q2484-06L **SDG No.:** Q2473
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	9230		11000		19		P
Antimony	1.16	J	11.9	U	100.0		P
Arsenic	7.48		8.85		18		P
Barium	24.3		28.9		19		P
Beryllium	0.73		0.86	J	18		P
Cadmium	0.29	U	1.43	U			P
Calcium	353		428	J	21		P
Chromium	15.8		17.9		13		P
Cobalt	1.43	U	7.16	U			P
Copper	4.84		6.36		31		P
Iron	19400		25900		33		P
Lead	13.1		14.1		8		P
Magnesium	717		890		24		P
Manganese	73.8		89.4		21		P
Mercury	0.039		0.076	U	100.0		CV
Nickel	7.27		6.99	J	4		P
Potassium	420		380	J	10		P
Selenium	4.47		6.71		50		P
Silver	0.48	U	2.39	U			P
Sodium	253		292	J	15		P
Thallium	1.91	U	9.55	U			P
Vanadium	30.8		35.7		16		P
Zinc	16.3		19.3		18		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement 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

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals
- 12 -
LINEAR RANGES

Client: JPCL Engineering **SDG No.:** Q2473
Contract: JPCL01 **Lab Code:** ACE **Case No.:** Q2473 **SAS No.:** Q2473
Instrument ID: P4 **Date:** 01/04/2018

Analyte	Integration	LDR ug/L
	Time (sec)	
Aluminum	10	1980000
Antimony	10	90000
Arsenic	10	81000
Barium	10	90000
Beryllium	10	9000
Cadmium	10	9000
Calcium	10	2520000
Chromium	10	90000
Cobalt	10	81000
Copper	10	333000
Iron	10	900000
Lead	10	225000
Magnesium	10	3600000
Manganese	10	58500
Nickel	10	90000
Potassium	10	1800000
Selenium	10	90000
Silver	10	9000
Sodium	10	2520000
Thallium	10	90000
Vanadium	10	90000
Zinc	10	45000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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: PB168713							
PB168713BL	PB168713BL	MB	SOLID	07/03/2025	2.00	100.0	100.00
PB168713BS	PB168713BS	LCS	SOLID	07/03/2025	2.00	100.0	100.00
Q2473-01	PIT#1	SAM	SOLID	07/03/2025	2.30	100.0	90.00
Q2473-02	PIT#2	SAM	SOLID	07/03/2025	2.28	100.0	90.10
Q2473-03	PIT#3	SAM	SOLID	07/03/2025	2.44	100.0	88.40
Q2473-04	PIT#4	SAM	SOLID	07/03/2025	2.18	100.0	90.70
Q2484-06DUP	TP-104DUP	DUP	SOLID	07/03/2025	2.33	100.0	87.30
Q2484-06MS	TP-104MS	MS	SOLID	07/03/2025	2.40	100.0	87.30
Q2484-06MSD	TP-104MSD	MSD	SOLID	07/03/2025	2.23	100.0	87.30

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

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: PB168719							
PB168719BL	PB168719BL	MB	SOLID	07/02/2025	0.52	35.0	100.00
PB168719BS	PB168719BS	LCS	SOLID	07/02/2025	0.55	35.0	100.00
Q2473-01	PIT#1	SAM	SOLID	07/02/2025	0.52	35.0	90.00
Q2473-02	PIT#2	SAM	SOLID	07/02/2025	0.52	35.0	90.10
Q2473-03	PIT#3	SAM	SOLID	07/02/2025	0.54	35.0	88.40
Q2473-04	PIT#4	SAM	SOLID	07/02/2025	0.56	35.0	90.70
Q2484-06DUP	TP-104DUP	DUP	SOLID	07/02/2025	0.53	35.0	87.30
Q2484-06MS	TP-104MS	MS	SOLID	07/02/2025	0.55	35.0	87.30
Q2484-06MSD	TP-104MSD	MSD	SOLID	07/02/2025	0.52	35.0	87.30

metals
- 14 -
ANALYSIS RUN LOG

Client: JPCL Engineering

Contract: JPCL01

Lab code: ACE

Sdg no.: Q2473

Instrument id number: _____

Method: _____

Run number: LB136369

Start date: 07/03/2025

End date: 07/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1055	HG
S0.2	S0.2	1	1058	HG
S2.5	S2.5	1	1100	HG
S5	S5	1	1102	HG
S7.5	S7.5	1	1104	HG
S10	S10	1	1110	HG
ICV16	ICV16	1	1113	HG
ICB16	ICB16	1	1117	HG
CCV51	CCV51	1	1120	HG
CCB51	CCB51	1	1122	HG
CRA	CRA	1	1124	HG
PB168719BS	PB168719BS	1	1134	HG
Q2473-01	PIT#1	1	1136	HG
Q2473-02	PIT#2	1	1138	HG
Q2473-03	PIT#3	1	1141	HG
Q2473-04	PIT#4	1	1143	HG
CCV52	CCV52	1	1148	HG
CCB52	CCB52	1	1150	HG
Q2484-06DUP	TP-104DUP	1	1208	HG
Q2484-06MS	TP-104MS	1	1211	HG
Q2484-06MSD	TP-104MSD	1	1213	HG
CCV53	CCV53	1	1215	HG
CCB53	CCB53	1	1218	HG
PB168719BL	PB168719BL	1	1220	HG
Q2484-06L	TP-104L	5	1226	HG
CCV54	CCV54	1	1230	HG
CCB54	CCB54	1	1233	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: JPCL Engineering

Contract: JPCL01

Lab code: ACE

Sdg no.: Q2473

Instrument id number:

Method:

Run number: LB136390

Start date: 07/07/2025

End date: 07/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1225	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	1230	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	1234	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	1238	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	1242	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	1247	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	1322	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	1341	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	1345	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	1349	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	1353	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	1410	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1415	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1419	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	1438	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	1442	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	1530	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	1534	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	1633	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	1637	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168713BL	PB168713BL	1	1645	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168713BS	PB168713BS	1	1701	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2473-01	PIT#1	1	1709	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2473-03	PIT#3	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2473-04	PIT#4	1	1722	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1731	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	1735	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	0143	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	0147	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	0249	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	0253	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	0340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	0344	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: JPCL Engineering

Contract: JPCL01

Lab code: ACE

Sdg no.: Q2473

Instrument id number:

Method:

Run number: LB136407

Start date: 07/09/2025

End date: 07/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0939	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	0944	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	0948	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	0952	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	0957	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	1001	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	1005	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	1017	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	1022	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	1026	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	1031	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	1035	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1039	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1044	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	1048	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	1057	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	1147	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	1156	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	1254	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	1258	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1405	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	1428	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	1527	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	1533	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	1639	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	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1750	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1754	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2473-02	PIT#2	1	1840	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1854	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	1948	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2041	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2045	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	2112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: JPCL Engineering

Contract: JPCL01

Lab code: ACE

Sdg no.: Q2473

Instrument id number:

Method:

Run number: LB136486

Start date: 07/15/2025

End date: 07/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1259	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	1304	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	1308	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	1313	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	1317	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	1322	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	1339	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV1	LLICV1	1	1350	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	1401	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	1405	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	1410	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	1421	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1426	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1430	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	1434	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	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2484-06DUP	TP-104DUP	1	1448	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2484-06MS	TP-104MS	1	1458	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2484-06MSD	TP-104MSD	1	1502	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2484-06A	TP-104A	1	1506	Ag,Na,Sb,Se
CCV02	CCV02	1	1511	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	1515	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn