

## LAB CHRONICLE

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

| LabID    | ClientID | Matrix | Test              | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|-------------------|--------|-------------|-----------|-----------|----------|
| Q2473-05 | PIT#1    | TCLP   | TCLP Mercury      | 7470A  | 07/01/25    | 07/07/25  | 07/08/25  | 07/01/25 |
|          |          |        | TCLPMetals Group3 | 6010D  |             | 07/03/25  | 07/07/25  |          |
| Q2473-06 | PIT#2    | TCLP   | TCLP Mercury      | 7470A  | 07/01/25    | 07/07/25  | 07/08/25  | 07/01/25 |
|          |          |        | TCLPMetals Group3 | 6010D  |             | 07/03/25  | 07/07/25  |          |
| Q2473-07 | PIT#3    | TCLP   | TCLP Mercury      | 7470A  | 07/01/25    | 07/07/25  | 07/08/25  | 07/01/25 |
|          |          |        | TCLPMetals Group3 | 6010D  |             | 07/03/25  | 07/10/25  |          |
| Q2473-08 | PIT#4    | TCLP   | TCLP Mercury      | 7470A  | 07/01/25    | 07/07/25  | 07/08/25  | 07/01/25 |
|          |          |        | 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 |
|--------------------------|-----------|--------|-----------|---------------|---|------|------|-------|
| <b>Client ID : PIT#1</b> |           |        |           |               |   |      |      |       |
| Q2473-05                 | PIT#1     | TCLP   | Barium    | 204           | J | 72.8 | 500  | ug/L  |
| Q2473-05                 | PIT#1     | TCLP   | Chromium  | 111           |   | 10.6 | 50.0 | ug/L  |
| Q2473-05                 | PIT#1     | TCLP   | Mercury   | 5.69          |   | 0.76 | 2.00 | ug/L  |
| <b>Client ID : PIT#2</b> |           |        |           |               |   |      |      |       |
| Q2473-06                 | PIT#2     | TCLP   | Barium    | 197           | J | 72.8 | 500  | ug/L  |
| Q2473-06                 | PIT#2     | TCLP   | Chromium  | 85.6          |   | 10.6 | 50.0 | ug/L  |
| <b>Client ID : PIT#3</b> |           |        |           |               |   |      |      |       |
| Q2473-07                 | PIT#3     | TCLP   | Barium    | 388           | J | 72.8 | 500  | ug/L  |
| Q2473-07                 | PIT#3     | TCLP   | Chromium  | 121           |   | 10.6 | 50.0 | ug/L  |
| Q2473-07                 | PIT#3     | TCLP   | Lead      | 72.5          |   | 11.5 | 60.0 | ug/L  |
| Q2473-07                 | PIT#3     | TCLP   | Mercury   | 1.94          | J | 0.76 | 2.00 | ug/L  |
| <b>Client ID : PIT#4</b> |           |        |           |               |   |      |      |       |
| Q2473-08                 | PIT#4     | TCLP   | Barium    | 330           | J | 72.8 | 500  | ug/L  |
| Q2473-08                 | PIT#4     | TCLP   | Chromium  | 124           |   | 10.6 | 50.0 | ug/L  |
| Q2473-08                 | PIT#4     | TCLP   | Lead      | 81.6          |   | 11.5 | 60.0 | ug/L  |
| Q2473-08                 | PIT#4     | TCLP   | Mercury   | 1.97          | J | 0.76 | 2.00 | ug/L  |



# 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:    | Q2473-05                 | Matrix:         | TCLP     |
| Level (low/med):  | low                      | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|------|------------|-------|----------------|----------------|----------|-----------|
| 7440-38-2 | Arsenic   | 25.6  | U    | 1  | 25.6 | 100        | ug/L  | 07/03/25 12:30 | 07/07/25 15:21 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 204   | J    | 1  | 72.8 | 500        | ug/L  | 07/03/25 12:30 | 07/07/25 15:21 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 2.50  | U    | 1  | 2.50 | 30.0       | ug/L  | 07/03/25 12:30 | 07/07/25 15:21 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 111   |      | 1  | 10.6 | 50.0       | ug/L  | 07/03/25 12:30 | 07/07/25 15:21 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 11.5  | U    | 1  | 11.5 | 60.0       | ug/L  | 07/03/25 12:30 | 07/07/25 15:21 | 6010D    | SW3050    |
| 7439-97-6 | Mercury   | 5.69  |      | 1  | 0.76 | 2.00       | ug/L  | 07/07/25 13:50 | 07/08/25 09:33 | 7470A    |           |
| 7782-49-2 | Selenium  | 48.2  | U    | 1  | 48.2 | 100        | ug/L  | 07/03/25 12:30 | 07/07/25 15:21 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 8.10  | U    | 1  | 8.10 | 50.0       | ug/L  | 07/03/25 12:30 | 07/07/25 15:21 | 6010D    | SW3050    |

|               |              |                 |       |            |
|---------------|--------------|-----------------|-------|------------|
| Color Before: | Colorless    | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless    | Clarity After:  | Clear | Artifacts: |
| Comments:     | TCLP 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:    | Q2473-06                 | Matrix:         | TCLP     |
| Level (low/med):  | low                      | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|------|------------|-------|----------------|----------------|----------|-----------|
| 7440-38-2 | Arsenic   | 25.6  | U    | 1  | 25.6 | 100        | ug/L  | 07/03/25 12:30 | 07/07/25 15:25 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 197   | J    | 1  | 72.8 | 500        | ug/L  | 07/03/25 12:30 | 07/07/25 15:25 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 2.50  | U    | 1  | 2.50 | 30.0       | ug/L  | 07/03/25 12:30 | 07/07/25 15:25 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 85.6  |      | 1  | 10.6 | 50.0       | ug/L  | 07/03/25 12:30 | 07/07/25 15:25 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 11.5  | U    | 1  | 11.5 | 60.0       | ug/L  | 07/03/25 12:30 | 07/07/25 15:25 | 6010D    | SW3050    |
| 7439-97-6 | Mercury   | 0.76  | U    | 1  | 0.76 | 2.00       | ug/L  | 07/07/25 13:50 | 07/08/25 09:35 | 7470A    |           |
| 7782-49-2 | Selenium  | 48.2  | U    | 1  | 48.2 | 100        | ug/L  | 07/03/25 12:30 | 07/07/25 15:25 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 8.10  | U    | 1  | 8.10 | 50.0       | ug/L  | 07/03/25 12:30 | 07/07/25 15:25 | 6010D    | SW3050    |

|               |              |                 |       |            |
|---------------|--------------|-----------------|-------|------------|
| Color Before: | Colorless    | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless    | Clarity After:  | Clear | Artifacts: |
| Comments:     | TCLP Mercury |                 |       |            |

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## 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:    | Q2473-07                 | Matrix:         | TCLP     |
| Level (low/med):  | low                      | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|------|------------|-------|----------------|----------------|----------|-----------|
| 7440-38-2 | Arsenic   | 25.6  | U    | 1  | 25.6 | 100        | ug/L  | 07/03/25 12:30 | 07/10/25 23:07 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 388   | J    | 1  | 72.8 | 500        | ug/L  | 07/03/25 12:30 | 07/10/25 23:07 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 2.50  | U    | 1  | 2.50 | 30.0       | ug/L  | 07/03/25 12:30 | 07/10/25 23:07 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 121   |      | 1  | 10.6 | 50.0       | ug/L  | 07/03/25 12:30 | 07/10/25 23:07 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 72.5  |      | 1  | 11.5 | 60.0       | ug/L  | 07/03/25 12:30 | 07/10/25 23:07 | 6010D    | SW3050    |
| 7439-97-6 | Mercury   | 1.94  | J    | 1  | 0.76 | 2.00       | ug/L  | 07/07/25 13:50 | 07/08/25 09:37 | 7470A    |           |
| 7782-49-2 | Selenium  | 48.2  | U    | 1  | 48.2 | 100        | ug/L  | 07/03/25 12:30 | 07/10/25 23:07 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 8.10  | U    | 1  | 8.10 | 50.0       | ug/L  | 07/03/25 12:30 | 07/10/25 23:07 | 6010D    | SW3050    |

|               |              |                 |       |            |
|---------------|--------------|-----------------|-------|------------|
| Color Before: | Colorless    | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless    | Clarity After:  | Clear | Artifacts: |
| Comments:     | TCLP Mercury |                 |       |            |

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## 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:    | Q2473-08                 | Matrix:         | TCLP     |
| Level (low/med):  | low                      | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|------|------------|-------|----------------|----------------|----------|-----------|
| 7440-38-2 | Arsenic   | 25.6  | U    | 1  | 25.6 | 100        | ug/L  | 07/03/25 12:30 | 07/10/25 23:11 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 330   | J    | 1  | 72.8 | 500        | ug/L  | 07/03/25 12:30 | 07/10/25 23:11 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 2.50  | U    | 1  | 2.50 | 30.0       | ug/L  | 07/03/25 12:30 | 07/10/25 23:11 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 124   |      | 1  | 10.6 | 50.0       | ug/L  | 07/03/25 12:30 | 07/10/25 23:11 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 81.6  |      | 1  | 11.5 | 60.0       | ug/L  | 07/03/25 12:30 | 07/10/25 23:11 | 6010D    | SW3050    |
| 7439-97-6 | Mercury   | 1.97  | J    | 1  | 0.76 | 2.00       | ug/L  | 07/07/25 13:50 | 07/08/25 09:40 | 7470A    |           |
| 7782-49-2 | Selenium  | 48.2  | U    | 1  | 48.2 | 100        | ug/L  | 07/03/25 12:30 | 07/10/25 23:11 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 8.10  | U    | 1  | 8.10 | 50.0       | ug/L  | 07/03/25 12:30 | 07/10/25 23:11 | 6010D    | SW3050    |

|               |              |                 |       |            |
|---------------|--------------|-----------------|-------|------------|
| Color Before: | Colorless    | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless    | Clarity After:  | Clear | Artifacts: |
| Comments:     | TCLP Mercury |                 |       |            |

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# 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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV19     | Mercury | 4.09           | 4.0        | 102           | 90 - 110                  | CV | 07/08/2025       | 08:59            | LB136391      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV61     | Mercury | 4.96           | 5.0        | 99            | 90 - 110                  | CV | 07/08/2025       | 09:07            | LB136391      |
| CCV62     | Mercury | 5.11           | 5.0        | 102           | 90 - 110                  | CV | 07/08/2025       | 09:44            | LB136391      |
| CCV63     | Mercury | 5.25           | 5.0        | 105           | 90 - 110                  | CV | 07/08/2025       | 10:24            | LB136391      |
| CCV64     | Mercury | 4.93           | 5.0        | 99            | 90 - 110                  | CV | 07/08/2025       | 10:53            | LB136391      |
| CCV65     | Mercury | 5.01           | 5.0        | 100           | 90 - 110                  | CV | 07/08/2025       | 11:14            | LB136391      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | 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      |
|           | Cadmium  | 1950           | 2000       | 98            | 90 - 110                  | P | 07/07/2025       | 13:22            | LB136390      |
|           | Chromium | 804            | 800        | 100           | 90 - 110                  | P | 07/07/2025       | 13:22            | LB136390      |
|           | Lead     | 3810           | 4000       | 95            | 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      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | 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      |
|           | Cadmium  | 6.03           | 6.0        | 100           | 80 - 120                  | P | 07/07/2025       | 13:41            | LB136390      |
|           | Chromium | 11.0           | 10.0       | 110           | 80 - 120                  | P | 07/07/2025       | 13:41            | LB136390      |
|           | Lead     | 12.3           | 12.0       | 103           | 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      |

## 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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | 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      |
|           | Cadmium  | 2550           | 2500       | 102           | 90 - 110                  | P | 07/07/2025       | 14:38            | LB136390      |
|           | Chromium | 1010           | 1000       | 101           | 90 - 110                  | P | 07/07/2025       | 14:38            | LB136390      |
|           | Lead     | 5050           | 5000       | 101           | 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      |
| CCV02     | 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      |
|           | Cadmium  | 2480           | 2500       | 99            | 90 - 110                  | P | 07/07/2025       | 15:30            | LB136390      |
|           | Chromium | 994            | 1000       | 99            | 90 - 110                  | P | 07/07/2025       | 15:30            | LB136390      |
|           | Lead     | 4930           | 5000       | 99            | 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      |
| CCV03     | 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      |
|           | Cadmium  | 2520           | 2500       | 101           | 90 - 110                  | P | 07/07/2025       | 16:33            | LB136390      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 07/07/2025       | 16:33            | LB136390      |
|           | Lead     | 5010           | 5000       | 100           | 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      |
| 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      |
|           | Cadmium  | 2480           | 2500       | 99            | 90 - 110                  | P | 07/07/2025       | 17:31            | LB136390      |
|           | Chromium | 1010           | 1000       | 101           | 90 - 110                  | P | 07/07/2025       | 17:31            | LB136390      |
|           | Lead     | 4930           | 5000       | 98            | 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      |
| CCV05     | 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      |
|           | Cadmium  | 2550           | 2500       | 102           | 90 - 110                  | P | 07/08/2025       | 01:43            | LB136390      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 07/08/2025       | 01:43            | LB136390      |
|           | Lead     | 5060           | 5000       | 101           | 90 - 110                  | P | 07/08/2025       | 01:43            | LB136390      |
|           | Selenium | 5100           | 5000       | 102           | 90 - 110                  | P | 07/08/2025       | 01:43            | 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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Silver   | 1260           | 1250       | 101           | 90 - 110                  | P | 07/08/2025       | 01:43            | LB136390      |
| CCV06     | 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      |
|           | Cadmium  | 2490           | 2500       | 99            | 90 - 110                  | P | 07/08/2025       | 02:49            | LB136390      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 07/08/2025       | 02:49            | LB136390      |
|           | Lead     | 4940           | 5000       | 99            | 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      |
| CCV07     | 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      |
|           | Cadmium  | 2500           | 2500       | 100           | 90 - 110                  | P | 07/08/2025       | 03:40            | LB136390      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 07/08/2025       | 03:40            | LB136390      |
|           | Lead     | 4980           | 5000       | 100           | 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      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | 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      |
|           | Cadmium  | 1860           | 2000       | 93            | 90 - 110                  | P | 07/09/2025       | 10:05            | LB136407      |
|           | Chromium | 784            | 800        | 98            | 90 - 110                  | P | 07/09/2025       | 10:05            | LB136407      |
|           | Lead     | 3700           | 4000       | 92            | 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      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | 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      |
|           | Cadmium  | 5.40           | 6.0        | 90            | 80 - 120                  | P | 07/09/2025       | 10:17            | LB136407      |
|           | Chromium | 10.3           | 10.0       | 103           | 80 - 120                  | P | 07/09/2025       | 10:17            | LB136407      |
|           | Lead     | 11.2           | 12.0       | 94            | 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      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | 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      |
|           | Cadmium  | 2520           | 2500       | 101           | 90 - 110                  | P | 07/09/2025       | 10:48            | LB136407      |
|           | Chromium | 1030           | 1000       | 103           | 90 - 110                  | P | 07/09/2025       | 10:48            | LB136407      |
|           | Lead     | 5040           | 5000       | 101           | 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      |
| CCV02     | 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      |
|           | Cadmium  | 2430           | 2500       | 97            | 90 - 110                  | P | 07/09/2025       | 11:47            | LB136407      |
|           | Chromium | 997            | 1000       | 100           | 90 - 110                  | P | 07/09/2025       | 11:47            | LB136407      |
|           | Lead     | 4860           | 5000       | 97            | 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      |
| CCV03     | 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      |
|           | Cadmium  | 2440           | 2500       | 98            | 90 - 110                  | P | 07/09/2025       | 12:54            | LB136407      |
|           | Chromium | 1000           | 1000       | 100           | 90 - 110                  | P | 07/09/2025       | 12:54            | LB136407      |
|           | Lead     | 4890           | 5000       | 98            | 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      |
| 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      |
|           | Cadmium  | 2460           | 2500       | 98            | 90 - 110                  | P | 07/09/2025       | 14:05            | LB136407      |
|           | Chromium | 1000           | 1000       | 100           | 90 - 110                  | P | 07/09/2025       | 14:05            | LB136407      |
|           | Lead     | 4930           | 5000       | 99            | 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      |
| CCV05     | 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      |
|           | Cadmium  | 2560           | 2500       | 103           | 90 - 110                  | P | 07/09/2025       | 15:27            | LB136407      |
|           | Chromium | 1030           | 1000       | 103           | 90 - 110                  | P | 07/09/2025       | 15:27            | LB136407      |
|           | Lead     | 5130           | 5000       | 103           | 90 - 110                  | P | 07/09/2025       | 15:27            | LB136407      |
|           | Selenium | 5260           | 5000       | 105           | 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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Silver   | 1280           | 1250       | 102           | 90 - 110                  | P | 07/09/2025       | 15:27            | LB136407      |
| CCV06     | 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      |
|           | Cadmium  | 2470           | 2500       | 99            | 90 - 110                  | P | 07/09/2025       | 16:39            | LB136407      |
|           | Chromium | 1000           | 1000       | 100           | 90 - 110                  | P | 07/09/2025       | 16:39            | LB136407      |
|           | Lead     | 4940           | 5000       | 99            | 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      |
| CCV07     | 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      |
|           | Cadmium  | 2420           | 2500       | 97            | 90 - 110                  | P | 07/09/2025       | 17:50            | LB136407      |
|           | Chromium | 982            | 1000       | 98            | 90 - 110                  | P | 07/09/2025       | 17:50            | LB136407      |
|           | Lead     | 4830           | 5000       | 97            | 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      |
| CCV08     | 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      |
|           | Cadmium  | 2400           | 2500       | 96            | 90 - 110                  | P | 07/09/2025       | 18:54            | LB136407      |
|           | Chromium | 966            | 1000       | 97            | 90 - 110                  | P | 07/09/2025       | 18:54            | LB136407      |
|           | Lead     | 4780           | 5000       | 96            | 90 - 110                  | P | 07/09/2025       | 18:54            | LB136407      |
|           | 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      |
| CCV09     | 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      |
|           | Cadmium  | 2450           | 2500       | 98            | 90 - 110                  | P | 07/09/2025       | 19:48            | LB136407      |
|           | Chromium | 983            | 1000       | 98            | 90 - 110                  | P | 07/09/2025       | 19:48            | LB136407      |
|           | Lead     | 4870           | 5000       | 97            | 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      |
| CCV10     | 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      |
|           | Cadmium  | 2510           | 2500       | 100           | 90 - 110                  | P | 07/09/2025       | 20:41            | LB136407      |
|           | Chromium | 1010           | 1000       | 101           | 90 - 110                  | P | 07/09/2025       | 20:41            | LB136407      |
|           | Lead     | 4990           | 5000       | 100           | 90 - 110                  | P | 07/09/2025       | 20:41            | 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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV10     | 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      |
| CCV11     | 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      |
|           | Cadmium  | 2420           | 2500       | 97            | 90 - 110                  | P | 07/09/2025       | 21:12            | LB136407      |
|           | Chromium | 975            | 1000       | 98            | 90 - 110                  | P | 07/09/2025       | 21:12            | LB136407      |
|           | Lead     | 4820           | 5000       | 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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Arsenic  | 3950           | 4000       | 99            | 90 - 110                  | P | 07/10/2025       | 18:39            | LB136434      |
|           | Barium   | 7860           | 8000       | 98            | 90 - 110                  | P | 07/10/2025       | 18:39            | LB136434      |
|           | Cadmium  | 2050           | 2000       | 103           | 90 - 110                  | P | 07/10/2025       | 18:39            | LB136434      |
|           | Chromium | 800            | 800        | 100           | 90 - 110                  | P | 07/10/2025       | 18:39            | LB136434      |
|           | Lead     | 4060           | 4000       | 101           | 90 - 110                  | P | 07/10/2025       | 18:39            | LB136434      |
|           | Selenium | 4190           | 4000       | 105           | 90 - 110                  | P | 07/10/2025       | 18:39            | LB136434      |
|           | Silver   | 911            | 1000       | 91            | 90 - 110                  | P | 07/10/2025       | 18:39            | LB136434      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Arsenic  | 21.2           | 20.0       | 106           | 80 - 120                  | P | 07/10/2025       | 18:51            | LB136434      |
|           | Barium   | 98.6           | 100        | 99            | 80 - 120                  | P | 07/10/2025       | 18:51            | LB136434      |
|           | Cadmium  | 5.61           | 6.0        | 93            | 80 - 120                  | P | 07/10/2025       | 18:51            | LB136434      |
|           | Chromium | 10.5           | 10.0       | 105           | 80 - 120                  | P | 07/10/2025       | 18:51            | LB136434      |
|           | Lead     | 13.2           | 12.0       | 110           | 80 - 120                  | P | 07/10/2025       | 18:51            | LB136434      |
|           | Selenium | 20.6           | 20.0       | 103           | 80 - 120                  | P | 07/10/2025       | 18:51            | LB136434      |
|           | Silver   | 10.9           | 10.0       | 110           | 80 - 120                  | P | 07/10/2025       | 18:51            | LB136434      |

## 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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Arsenic  | 4910           | 5000       | 98            | 90 - 110                  | P | 07/10/2025       | 19:43            | LB136434      |
|           | Barium   | 10200          | 10000      | 102           | 90 - 110                  | P | 07/10/2025       | 19:43            | LB136434      |
|           | Cadmium  | 2510           | 2500       | 100           | 90 - 110                  | P | 07/10/2025       | 19:43            | LB136434      |
|           | Chromium | 1010           | 1000       | 101           | 90 - 110                  | P | 07/10/2025       | 19:43            | LB136434      |
|           | Lead     | 4980           | 5000       | 100           | 90 - 110                  | P | 07/10/2025       | 19:43            | LB136434      |
|           | Selenium | 5060           | 5000       | 101           | 90 - 110                  | P | 07/10/2025       | 19:43            | LB136434      |
|           | Silver   | 1280           | 1250       | 103           | 90 - 110                  | P | 07/10/2025       | 19:43            | LB136434      |
| CCV02     | Arsenic  | 4640           | 5000       | 93            | 90 - 110                  | P | 07/10/2025       | 20:59            | LB136434      |
|           | Barium   | 9760           | 10000      | 98            | 90 - 110                  | P | 07/10/2025       | 20:59            | LB136434      |
|           | Cadmium  | 2380           | 2500       | 95            | 90 - 110                  | P | 07/10/2025       | 20:59            | LB136434      |
|           | Chromium | 962            | 1000       | 96            | 90 - 110                  | P | 07/10/2025       | 20:59            | LB136434      |
|           | Lead     | 4710           | 5000       | 94            | 90 - 110                  | P | 07/10/2025       | 20:59            | LB136434      |
|           | Selenium | 4800           | 5000       | 96            | 90 - 110                  | P | 07/10/2025       | 20:59            | LB136434      |
|           | Silver   | 1220           | 1250       | 97            | 90 - 110                  | P | 07/10/2025       | 20:59            | LB136434      |
| CCV03     | Arsenic  | 4830           | 5000       | 96            | 90 - 110                  | P | 07/10/2025       | 22:32            | LB136434      |
|           | Barium   | 10000          | 10000      | 100           | 90 - 110                  | P | 07/10/2025       | 22:32            | LB136434      |
|           | Cadmium  | 2480           | 2500       | 99            | 90 - 110                  | P | 07/10/2025       | 22:32            | LB136434      |
|           | Chromium | 997            | 1000       | 100           | 90 - 110                  | P | 07/10/2025       | 22:32            | LB136434      |
|           | Lead     | 4930           | 5000       | 99            | 90 - 110                  | P | 07/10/2025       | 22:32            | LB136434      |
|           | Selenium | 4940           | 5000       | 99            | 90 - 110                  | P | 07/10/2025       | 22:32            | LB136434      |
|           | Silver   | 1250           | 1250       | 100           | 90 - 110                  | P | 07/10/2025       | 22:32            | LB136434      |
| CCV04     | Arsenic  | 4600           | 5000       | 92            | 90 - 110                  | P | 07/10/2025       | 23:29            | LB136434      |
|           | Barium   | 9570           | 10000      | 96            | 90 - 110                  | P | 07/10/2025       | 23:29            | LB136434      |
|           | Cadmium  | 2350           | 2500       | 94            | 90 - 110                  | P | 07/10/2025       | 23:29            | LB136434      |
|           | Chromium | 957            | 1000       | 96            | 90 - 110                  | P | 07/10/2025       | 23:29            | LB136434      |
|           | Lead     | 4690           | 5000       | 94            | 90 - 110                  | P | 07/10/2025       | 23:29            | LB136434      |
|           | Selenium | 4700           | 5000       | 94            | 90 - 110                  | P | 07/10/2025       | 23:29            | LB136434      |
|           | Silver   | 1200           | 1250       | 96            | 90 - 110                  | P | 07/10/2025       | 23:29            | LB136434      |
| CCV05     | Arsenic  | 4750           | 5000       | 95            | 90 - 110                  | P | 07/11/2025       | 00:47            | LB136434      |
|           | Barium   | 9800           | 10000      | 98            | 90 - 110                  | P | 07/11/2025       | 00:47            | LB136434      |
|           | Cadmium  | 2410           | 2500       | 96            | 90 - 110                  | P | 07/11/2025       | 00:47            | LB136434      |
|           | Chromium | 978            | 1000       | 98            | 90 - 110                  | P | 07/11/2025       | 00:47            | LB136434      |
|           | Lead     | 4820           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 00:47            | LB136434      |
|           | Selenium | 4790           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 00:47            | LB136434      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Silver   | 1220           | 1250       | 97            | 90 - 110                  | P | 07/11/2025       | 00:47            | LB136434      |
| CCV06     | Arsenic  | 4780           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 01:47            | LB136434      |
|           | Barium   | 9810           | 10000      | 98            | 90 - 110                  | P | 07/11/2025       | 01:47            | LB136434      |
|           | Cadmium  | 2410           | 2500       | 96            | 90 - 110                  | P | 07/11/2025       | 01:47            | LB136434      |
|           | Chromium | 978            | 1000       | 98            | 90 - 110                  | P | 07/11/2025       | 01:47            | LB136434      |
|           | Lead     | 4820           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 01:47            | LB136434      |
|           | Selenium | 4810           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 01:47            | LB136434      |
|           | Silver   | 1220           | 1250       | 97            | 90 - 110                  | P | 07/11/2025       | 01:47            | LB136434      |
| CCV07     | Arsenic  | 4640           | 5000       | 93            | 90 - 110                  | P | 07/11/2025       | 03:17            | LB136434      |
|           | Barium   | 9540           | 10000      | 95            | 90 - 110                  | P | 07/11/2025       | 03:17            | LB136434      |
|           | Cadmium  | 2330           | 2500       | 93            | 90 - 110                  | P | 07/11/2025       | 03:17            | LB136434      |
|           | Chromium | 961            | 1000       | 96            | 90 - 110                  | P | 07/11/2025       | 03:17            | LB136434      |
|           | Lead     | 4670           | 5000       | 93            | 90 - 110                  | P | 07/11/2025       | 03:17            | LB136434      |
|           | Selenium | 4670           | 5000       | 94            | 90 - 110                  | P | 07/11/2025       | 03:17            | LB136434      |
|           | Silver   | 1200           | 1250       | 96            | 90 - 110                  | P | 07/11/2025       | 03:17            | LB136434      |
| CCV08     | Arsenic  | 4790           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 04:18            | LB136434      |
|           | Barium   | 9730           | 10000      | 97            | 90 - 110                  | P | 07/11/2025       | 04:18            | LB136434      |
|           | Cadmium  | 2400           | 2500       | 96            | 90 - 110                  | P | 07/11/2025       | 04:18            | LB136434      |
|           | Chromium | 987            | 1000       | 99            | 90 - 110                  | P | 07/11/2025       | 04:18            | LB136434      |
|           | Lead     | 4820           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 04:18            | LB136434      |
|           | Selenium | 4720           | 5000       | 94            | 90 - 110                  | P | 07/11/2025       | 04:18            | LB136434      |
|           | Silver   | 1220           | 1250       | 98            | 90 - 110                  | P | 07/11/2025       | 04:18            | LB136434      |
| CCV09     | Arsenic  | 4770           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 05:19            | LB136434      |
|           | Barium   | 9960           | 10000      | 100           | 90 - 110                  | P | 07/11/2025       | 05:19            | LB136434      |
|           | Cadmium  | 2380           | 2500       | 95            | 90 - 110                  | P | 07/11/2025       | 05:19            | LB136434      |
|           | Chromium | 1000           | 1000       | 100           | 90 - 110                  | P | 07/11/2025       | 05:19            | LB136434      |
|           | Lead     | 4770           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 05:19            | LB136434      |
|           | Selenium | 4720           | 5000       | 94            | 90 - 110                  | P | 07/11/2025       | 05:19            | LB136434      |
|           | Silver   | 1240           | 1250       | 99            | 90 - 110                  | P | 07/11/2025       | 05:19            | LB136434      |
| CCV10     | Arsenic  | 4790           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 06:16            | LB136434      |
|           | Barium   | 9830           | 10000      | 98            | 90 - 110                  | P | 07/11/2025       | 06:16            | LB136434      |
|           | Cadmium  | 2390           | 2500       | 96            | 90 - 110                  | P | 07/11/2025       | 06:16            | LB136434      |
|           | Chromium | 988            | 1000       | 99            | 90 - 110                  | P | 07/11/2025       | 06:16            | LB136434      |
|           | Lead     | 4800           | 5000       | 96            | 90 - 110                  | P | 07/11/2025       | 06:16            | LB136434      |

**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<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV10     | Selenium | 4710           | 5000       | 94            | 90 - 110                  | P | 07/11/2025       | 06:16            | LB136434      |
|           | Silver   | 1210           | 1250       | 97            | 90 - 110                  | P | 07/11/2025       | 06:16            | LB136434      |
| CCV11     | Arsenic  | 4750           | 5000       | 95            | 90 - 110                  | P | 07/11/2025       | 06:43            | LB136434      |
|           | Barium   | 9790           | 10000      | 98            | 90 - 110                  | P | 07/11/2025       | 06:43            | LB136434      |
|           | Cadmium  | 2370           | 2500       | 95            | 90 - 110                  | P | 07/11/2025       | 06:43            | LB136434      |
|           | Chromium | 982            | 1000       | 98            | 90 - 110                  | P | 07/11/2025       | 06:43            | LB136434      |
|           | Lead     | 4770           | 5000       | 95            | 90 - 110                  | P | 07/11/2025       | 06:43            | LB136434      |
|           | Selenium | 4660           | 5000       | 93            | 90 - 110                  | P | 07/11/2025       | 06:43            | LB136434      |
|           | Silver   | 1210           | 1250       | 97            | 90 - 110                  | P | 07/11/2025       | 06:43            | LB136434      |

**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<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|--------------|----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| <b>CRI01</b> | 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      |
|              | Cadmium  | 7.08           | 6.0                | 118           | 65 - 135                  | P  | 07/07/2025       | 13:49            | LB136390      |
|              | Chromium | 11.8           | 10.0               | 118           | 65 - 135                  | P  | 07/07/2025       | 13:49            | LB136390      |
|              | Lead     | 13.7           | 12.0               | 114           | 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      |
| <b>CRA</b>   | Mercury  | 0.25           | 0.2                | 125           | 70 - 130                  | CV | 07/08/2025       | 09:14            | LB136391      |
| <b>CRI01</b> | 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      |
|              | Cadmium  | 5.51           | 6.0                | 92            | 65 - 135                  | P  | 07/09/2025       | 10:26            | LB136407      |
|              | Chromium | 10.7           | 10.0               | 107           | 65 - 135                  | P  | 07/09/2025       | 10:26            | LB136407      |
|              | Lead     | 11.5           | 12.0               | 96            | 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      |
| <b>CRI01</b> | Arsenic  | 20.6           | 20.0               | 103           | 65 - 135                  | P  | 07/10/2025       | 19:01            | LB136434      |
|              | Barium   | 96.3           | 100                | 96            | 65 - 135                  | P  | 07/10/2025       | 19:01            | LB136434      |
|              | Cadmium  | 5.33           | 6.0                | 89            | 65 - 135                  | P  | 07/10/2025       | 19:01            | LB136434      |
|              | Chromium | 10.5           | 10.0               | 105           | 65 - 135                  | P  | 07/10/2025       | 19:01            | LB136434      |
|              | Lead     | 12.4           | 12.0               | 103           | 65 - 135                  | P  | 07/10/2025       | 19:01            | LB136434      |
|              | Selenium | 16.7           | 20.0               | 84            | 65 - 135                  | P  | 07/10/2025       | 19:01            | LB136434      |
|              | Silver   | 10.5           | 10.0               | 105           | 65 - 135                  | P  | 07/10/2025       | 19:01            | LB136434      |



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<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| ICB19     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 07/08/2025       | 09:04            | LB136391      |

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB61     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 07/08/2025       | 09:12            | LB136391      |
| CCB62     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 07/08/2025       | 09:50            | LB136391      |
| CCB63     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 07/08/2025       | 10:26            | LB136391      |
| CCB64     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 07/08/2025       | 10:56            | LB136391      |
| CCB65     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 07/08/2025       | 11:17            | LB136391      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/07/2025       | 13:45            | LB136390      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/07/2025       | 13:45            | LB136390      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB01     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/07/2025       | 14:42            | LB136390      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/07/2025       | 14:42            | LB136390      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB02     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/07/2025       | 15:34            | LB136390      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/07/2025       | 15:34            | LB136390      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/07/2025       | 15:34            | LB136390      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/07/2025       | 15:34            | LB136390      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/07/2025       | 15:34            | LB136390      |
| CCB03     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/07/2025       | 16:37            | LB136390      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/07/2025       | 16:37            | LB136390      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB04     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/07/2025       | 17:35            | LB136390      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/07/2025       | 17:35            | LB136390      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB05     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/08/2025       | 01:47            | LB136390      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/08/2025       | 01:47            | LB136390      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB06     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/08/2025       | 02:53            | LB136390      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/08/2025       | 02:53            | LB136390      |



- 3a -

**Client:** JPCL Engineering

SDG No.: Q2473

**Contract:** JPCLO1

**Lab Code:** ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB06     | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB07     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/08/2025       | 03:44            | LB136390      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/08/2025       | 03:44            | LB136390      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 10:22            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 10:22            | LB136407      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB01     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 10:57            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 10:57            | LB136407      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB02     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 11:56            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 11:56            | LB136407      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/09/2025       | 11:56            | LB136407      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/09/2025       | 11:56            | LB136407      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/09/2025       | 11:56            | LB136407      |
| CCB03     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 12:58            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 12:58            | LB136407      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB04     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 14:28            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 14:28            | LB136407      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB05     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 15:33            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 15:33            | LB136407      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB06     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 16:43            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 16:43            | LB136407      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering

SDG No.: Q2473

Contract: JPCL01

Lab Code: ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB06     | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB07     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 17:54            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 17:54            | LB136407      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 18:58            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 18:58            | LB136407      |
|           | Lead     | 3.36           | +/-6                | J            | 12.0 | 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      |
| CCB09     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 19:52            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 19:52            | LB136407      |
|           | Lead     | 2.75           | +/-6                | J            | 12.0 | 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      |
| CCB10     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 20:45            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 20:45            | LB136407      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | 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      |
| CCB11     | 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      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/09/2025       | 21:16            | LB136407      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/09/2025       | 21:16            | LB136407      |
|           | Lead     | 4.79           | +/-6                | J            | 12.0 | 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      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/10/2025       | 18:55            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/10/2025       | 18:55            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/10/2025       | 18:55            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/10/2025       | 18:55            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/10/2025       | 18:55            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/10/2025       | 18:55            | LB136434      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/10/2025       | 18:55            | LB136434      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB01     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/10/2025       | 19:54            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/10/2025       | 19:54            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/10/2025       | 19:54            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/10/2025       | 19:54            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/10/2025       | 19:54            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/10/2025       | 19:54            | LB136434      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/10/2025       | 19:54            | LB136434      |
| CCB02     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/10/2025       | 21:04            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/10/2025       | 21:04            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/10/2025       | 21:04            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/10/2025       | 21:04            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/10/2025       | 21:04            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/10/2025       | 21:04            | LB136434      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/10/2025       | 21:04            | LB136434      |
| CCB03     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/10/2025       | 22:36            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/10/2025       | 22:36            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/10/2025       | 22:36            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/10/2025       | 22:36            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/10/2025       | 22:36            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/10/2025       | 22:36            | LB136434      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/10/2025       | 22:36            | LB136434      |
| CCB04     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/10/2025       | 23:53            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/10/2025       | 23:53            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/10/2025       | 23:53            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/10/2025       | 23:53            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/10/2025       | 23:53            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/10/2025       | 23:53            | LB136434      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/10/2025       | 23:53            | LB136434      |
| CCB05     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/11/2025       | 00:51            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/11/2025       | 00:51            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/11/2025       | 00:51            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/11/2025       | 00:51            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/11/2025       | 00:51            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/11/2025       | 00:51            | LB136434      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/11/2025       | 00:51            | LB136434      |
| CCB06     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/11/2025       | 02:23            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/11/2025       | 02:23            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/11/2025       | 02:23            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/11/2025       | 02:23            | LB136434      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB06     | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/11/2025       | 02:23            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/11/2025       | 02:23            | LB136434      |
|           | Silver   | 4.87           | +/-5                | J            | 10.0 | P | 07/11/2025       | 02:23            | LB136434      |
| CCB07     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/11/2025       | 03:26            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/11/2025       | 03:26            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/11/2025       | 03:26            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/11/2025       | 03:26            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/11/2025       | 03:26            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/11/2025       | 03:26            | LB136434      |
|           | Silver   | 4.57           | +/-5                | J            | 10.0 | P | 07/11/2025       | 03:26            | LB136434      |
| CCB08     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/11/2025       | 04:27            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/11/2025       | 04:27            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/11/2025       | 04:27            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/11/2025       | 04:27            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/11/2025       | 04:27            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/11/2025       | 04:27            | LB136434      |
|           | Silver   | 6.06           | +/-5                | J*           | 10.0 | P | 07/11/2025       | 04:27            | LB136434      |
| CCB09     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/11/2025       | 05:24            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/11/2025       | 05:24            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/11/2025       | 05:24            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/11/2025       | 05:24            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/11/2025       | 05:24            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/11/2025       | 05:24            | LB136434      |
|           | Silver   | 2.97           | +/-5                | J            | 10.0 | P | 07/11/2025       | 05:24            | LB136434      |
| CCB10     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/11/2025       | 06:21            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/11/2025       | 06:21            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/11/2025       | 06:21            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/11/2025       | 06:21            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/11/2025       | 06:21            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/11/2025       | 06:21            | LB136434      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/11/2025       | 06:21            | LB136434      |
| CCB11     | Arsenic  | 5.12           | +/-10               | U            | 20.0 | P | 07/11/2025       | 06:47            | LB136434      |
|           | Barium   | 14.6           | +/-50               | U            | 100  | P | 07/11/2025       | 06:47            | LB136434      |
|           | Cadmium  | 0.50           | +/-3                | U            | 6.00 | P | 07/11/2025       | 06:47            | LB136434      |
|           | Chromium | 2.12           | +/-5                | U            | 10.0 | P | 07/11/2025       | 06:47            | LB136434      |
|           | Lead     | 2.30           | +/-6                | U            | 12.0 | P | 07/11/2025       | 06:47            | LB136434      |
|           | Selenium | 9.64           | +/-10               | U            | 20.0 | P | 07/11/2025       | 06:47            | LB136434      |
|           | Silver   | 1.62           | +/-5                | U            | 10.0 | P | 07/11/2025       | 06:47            | LB136434      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Instrument:** CV1

| Sample ID         | Analyte | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|---------|------------------|---------------------|----------------------|-----------------|----|-------------------|-------------------|----------|
| <b>PB168689TB</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> | <b>PB168741</b> |    | <b>Prep Date:</b> | <b>07/07/2025</b> |          |
|                   | Mercury | 0.76             | <2                  | U                    | 2.00            | CV | 07/08/2025        | 10:58             | LB136391 |
| Sample ID         | Analyte | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
| <b>PB168741BL</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> | <b>PB168741</b> |    | <b>Prep Date:</b> | <b>07/07/2025</b> |          |
|                   | Mercury | 0.093            | <0.2                | J                    | 0.20            | CV | 07/08/2025        | 09:24             | LB136391 |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Instrument:** P4

| Sample ID         | Analyte      | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB168711BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB168711</b> |   | <b>Prep Date:</b> | <b>07/03/2025</b> |          |
|                   | Arsenic      | 25.6             | <50                 | U                    | 100             | P | 07/07/2025        | 16:41             | LB136390 |
|                   | Barium       | 72.8             | <250                | U                    | 500             | P | 07/07/2025        | 16:41             | LB136390 |
|                   | Cadmium      | 2.50             | <15                 | U                    | 30.0            | P | 07/07/2025        | 16:41             | LB136390 |
|                   | Chromium     | 10.6             | <25                 | U                    | 50.0            | P | 07/07/2025        | 16:41             | LB136390 |
|                   | Lead         | 11.5             | <30                 | U                    | 60.0            | P | 07/07/2025        | 16:41             | LB136390 |
|                   | Selenium     | 48.2             | <50                 | U                    | 100             | P | 07/07/2025        | 16:41             | LB136390 |
|                   | Silver       | 8.10             | <25                 | U                    | 50.0            | P | 07/07/2025        | 16:41             | LB136390 |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Instrument:** P5

| Sample ID         | Analyte      | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB168689TB</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB168711</b> |   | <b>Prep Date:</b> | <b>07/03/2025</b> |          |
|                   | Arsenic      | 25.6             | <50                 | U                    | 100             | P | 07/09/2025        | 18:35             | LB136407 |
|                   | Barium       | 72.8             | <250                | U                    | 500             | P | 07/09/2025        | 18:35             | LB136407 |
|                   | Cadmium      | 2.50             | <15                 | U                    | 30.0            | P | 07/09/2025        | 18:35             | LB136407 |
|                   | Chromium     | 10.6             | <25                 | U                    | 50.0            | P | 07/09/2025        | 18:35             | LB136407 |
|                   | Lead         | 18.7             | <30                 | J                    | 60.0            | P | 07/09/2025        | 18:35             | LB136407 |
|                   | Selenium     | 48.2             | <50                 | U                    | 100             | P | 07/09/2025        | 18:35             | LB136407 |
|                   | Silver       | 8.10             | <25                 | U                    | 50.0            | P | 07/09/2025        | 18:35             | LB136407 |

**Metals**  
- 4 -  
**INTERFERENCE CHECK SAMPLE**

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

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | 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      |
|           | Cadmium  | -0.042         | 1.0                | 4             | -5                     | 7                       | 07/07/2025       | 13:53            | LB136390      |
|           | Chromium | 53.6           | 52.0               | 103           | 42                     | 62                      | 07/07/2025       | 13:53            | LB136390      |
|           | Lead     | -5.45          |                    |               | -12                    | 12                      | 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      |
| ICSAB01   | 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      |
|           | Cadmium  | 992            | 972                | 102           | 826                    | 1120                    | 07/07/2025       | 14:10            | LB136390      |
|           | Chromium | 558            | 542                | 103           | 460                    | 624                     | 07/07/2025       | 14:10            | LB136390      |
|           | Lead     | 41.5           | 49.0               | 85            | 37                     | 61                      | 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      |
| ICSA01    | 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      |
|           | Cadmium  | -0.43          | 1.0                | 43            | -5                     | 7                       | 07/09/2025       | 10:31            | LB136407      |
|           | Chromium | 52.2           | 52.0               | 100           | 42                     | 62                      | 07/09/2025       | 10:31            | LB136407      |
|           | Lead     | -5.64          |                    |               | -12                    | 12                      | 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      |
| ICSAB01   | 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      |
|           | Cadmium  | 984            | 970                | 101           | 826                    | 1120                    | 07/09/2025       | 10:35            | LB136407      |
|           | Chromium | 555            | 540                | 103           | 460                    | 624                     | 07/09/2025       | 10:35            | LB136407      |
|           | Lead     | 38.6           | 49.0               | 79            | 37                     | 61                      | 07/09/2025       | 10:35            | LB136407      |
|           | 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      |
| ICSA01    | Arsenic  | 2.10           |                    |               | -20                    | 20                      | 07/10/2025       | 19:11            | LB136434      |
|           | Barium   | 5.81           | 6.0                | 97            | -94                    | 106                     | 07/10/2025       | 19:11            | LB136434      |
|           | Cadmium  | -0.49          | 1.0                | 49            | -5                     | 7                       | 07/10/2025       | 19:11            | LB136434      |
|           | Chromium | 48.9           | 52.0               | 94            | 42                     | 62                      | 07/10/2025       | 19:11            | LB136434      |
|           | Lead     | 0.44           |                    |               | -12                    | 12                      | 07/10/2025       | 19:11            | LB136434      |
|           | Selenium | 4.66           |                    |               | -20                    | 20                      | 07/10/2025       | 19:11            | LB136434      |
|           | Silver   | -1.13          |                    |               | -10                    | 10                      | 07/10/2025       | 19:11            | LB136434      |
| ICSAB01   | Arsenic  | 92.1           | 100                | 92            | 88.4                   | 120                     | 07/10/2025       | 19:15            | LB136434      |
|           | Barium   | 505            | 540                | 94            | 437                    | 637                     | 07/10/2025       | 19:15            | LB136434      |
|           | Cadmium  | 972            | 970                | 100           | 826                    | 1120                    | 07/10/2025       | 19:15            | LB136434      |
|           | Chromium | 548            | 540                | 102           | 460                    | 624                     | 07/10/2025       | 19:15            | LB136434      |
|           | Lead     | 43.4           | 49.0               | 89            | 37                     | 61                      | 07/10/2025       | 19:15            | LB136434      |
|           | Selenium | 52.3           | 46.0               | 114           | 26                     | 66                      | 07/10/2025       | 19:15            | LB136434      |

**Metals**

- 4 -

**INTERFERENCE CHECK SAMPLE**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

**ICS Source:** EPA

**Instrument ID:** P5

| Sample ID | Analyte | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Silver  | 217            | 200                | 108           | 170                    | 232                     | 07/10/2025       | 19:15            | LB136434      |



# METAL QC DATA

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                             |                                     |                                                   |
|---------------------------------------------|-------------------------------------|---------------------------------------------------|
| <b>client:</b> <u>JPCL Engineering</u>      | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q2473</u>                      |
| <b>contract:</b> <u>JPCL01</u>              |                                     | <b>lab code:</b> <u>ACE</u>                       |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q2493-04</u>   | <b>client id:</b> <u>WC-11MS</u>                  |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q2493-04MS</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u> |

| Analyte  | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Arsenic  | ug/L  | 75 - 125               | 4080             |   | 100              | U | 4000           | 102           |      | P  |
| Barium   | ug/L  | 75 - 125               | 2390             |   | 1540             |   | 1000           | 86            |      | P  |
| Cadmium  | ug/L  | 75 - 125               | 992              |   | 30.0             | U | 1000           | 99            |      | P  |
| Chromium | ug/L  | 75 - 125               | 1990             |   | 50.0             | U | 2000           | 100           |      | P  |
| Lead     | ug/L  | 75 - 125               | 4740             |   | 60.0             | U | 5000           | 95            |      | P  |
| Mercury  | ug/L  | 75 - 125               | 48.7             |   | 2.07             |   | 40.0           | 116           |      | CV |
| Selenium | ug/L  | 75 - 125               | 10100            |   | 100              | U | 10000          | 101           |      | P  |
| Silver   | ug/L  | 75 - 125               | 357              |   | 50.0             | U | 380            | 94            |      | P  |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                             |                                      |                                                   |
|---------------------------------------------|--------------------------------------|---------------------------------------------------|
| <b>client:</b> <u>JPCL Engineering</u>      | <b>level:</b> <u>low</u>             | <b>sdg no.:</b> <u>Q2473</u>                      |
| <b>contract:</b> <u>JPCL01</u>              |                                      | <b>lab code:</b> <u>ACE</u>                       |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q2493-04</u>    | <b>client id:</b> <u>WC-11MSD</u>                 |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q2493-04MSD</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u> |

| Analyte  | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Arsenic  | ug/L  | 75 - 125               | 3950          |   | 100              | U | 4000           | 99            |      | P  |
| Barium   | ug/L  | 75 - 125               | 2350          |   | 1540             |   | 1000           | 81            |      | P  |
| Cadmium  | ug/L  | 75 - 125               | 966           |   | 30.0             | U | 1000           | 97            |      | P  |
| Chromium | ug/L  | 75 - 125               | 1980          |   | 50.0             | U | 2000           | 99            |      | P  |
| Lead     | ug/L  | 75 - 125               | 4610          |   | 60.0             | U | 5000           | 92            |      | P  |
| Mercury  | ug/L  | 75 - 125               | 46.5          |   | 2.07             |   | 40.0           | 111           |      | CV |
| Selenium | ug/L  | 75 - 125               | 9850          |   | 100              | U | 10000          | 98            |      | P  |
| Silver   | ug/L  | 75 - 125               | 355           |   | 50.0             | U | 380            | 93            |      | P  |

**Metals**  
**- 5b -**

**Client:** JPCL Engineering

**SDG No.:** Q2473

**Contract:** JPCL01

**Lab Code:** ACE

**Matrix:** \_\_\_\_\_

**Level:** LOW

**Client ID:** \_\_\_\_\_

**Sample ID:** \_\_\_\_\_

**Spiked ID:** \_\_\_\_\_

| Analyte | Units | Acceptance<br>Limit %R | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|

A  
B  
C  
D  
E  
F  
G  
H

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                         |                     |                 |                                         |                 |
|-----------------------------------|-------------------------|---------------------|-----------------|-----------------------------------------|-----------------|
| <b>Client:</b>                    | <u>JPCL Engineering</u> | <b>Level:</b>       | <u>LOW</u>      | <b>SDG No.:</b>                         | <u>Q2473</u>    |
| <b>Contract:</b>                  | <u>JPCL01</u>           |                     |                 | <b>Lab Code:</b>                        | <u>ACE</u>      |
| <b>Matrix:</b>                    | <u>Water</u>            | <b>Sample ID:</b>   | <u>Q2493-04</u> | <b>Client ID:</b>                       | <u>WC-11DUP</u> |
| <b>Percent Solids for Sample:</b> | NA                      | <b>Duplicate ID</b> | Q2493-04DUP     | <b>Percent Solids for Spike Sample:</b> | NA              |

| Analyte  | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|----------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Arsenic  | ug/L  | 20               | 100           | U | 100              | U |     |      | P  |
| Barium   | ug/L  | 20               | 1540          |   | 1510             |   | 2   |      | P  |
| Cadmium  | ug/L  | 20               | 30.0          | U | 30.0             | U |     |      | P  |
| Chromium | ug/L  | 20               | 50.0          | U | 50.0             | U |     |      | P  |
| Lead     | ug/L  | 20               | 60.0          | U | 60.0             | U |     |      | P  |
| Mercury  | ug/L  | 20               | 2.07          |   | 2.20             |   | 6   |      | CV |
| Selenium | ug/L  | 20               | 100           | U | 100              | U |     |      | P  |
| Silver   | ug/L  | 20               | 50.0          | U | 50.0             | U |     |      | P  |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                         |                     |                   |                                         |                 |
|-----------------------------------|-------------------------|---------------------|-------------------|-----------------------------------------|-----------------|
| <b>Client:</b>                    | <u>JPCL Engineering</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>Q2473</u>    |
| <b>Contract:</b>                  | <u>JPCL01</u>           |                     |                   | <b>Lab Code:</b>                        | <u>ACE</u>      |
| <b>Matrix:</b>                    | <u>Water</u>            | <b>Sample ID:</b>   | <u>Q2493-04MS</u> | <b>Client ID:</b>                       | <u>WC-11MSD</u> |
| <b>Percent Solids for Sample:</b> | NA                      | <b>Duplicate ID</b> | Q2493-04MSD       | <b>Percent Solids for Spike Sample:</b> | NA              |

| Analyte  | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|----------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Arsenic  | ug/L  | 20               | 4080          |   | 3950             |   | 3   |      | P  |
| Barium   | ug/L  | 20               | 2390          |   | 2350             |   | 2   |      | P  |
| Cadmium  | ug/L  | 20               | 992           |   | 966              |   | 3   |      | P  |
| Chromium | ug/L  | 20               | 1990          |   | 1980             |   | 1   |      | P  |
| Lead     | ug/L  | 20               | 4740          |   | 4610             |   | 3   |      | P  |
| Mercury  | ug/L  | 20               | 48.7          |   | 46.5             |   | 5   |      | CV |
| Selenium | ug/L  | 20               | 10100         |   | 9850             |   | 3   |      | P  |
| Silver   | ug/L  | 20               | 357           |   | 355              |   | 1   |      | P  |

**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

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

| Analyte    | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|------------|-------|------------|--------|---|------------|-------------------|---|
| PB168711BS |       |            |        |   |            |                   |   |
| Arsenic    | ug/L  | 4000       | 3910   |   | 98         | 80 - 120          | P |
| Barium     | ug/L  | 1000       | 1010   |   | 101        | 80 - 120          | P |
| Cadmium    | ug/L  | 1000       | 976    |   | 98         | 80 - 120          | P |
| Chromium   | ug/L  | 2000       | 2120   |   | 106        | 80 - 120          | P |
| Lead       | ug/L  | 5000       | 4790   |   | 96         | 80 - 120          | P |
| Selenium   | ug/L  | 10000      | 9700   |   | 97         | 80 - 120          | P |
| Silver     | ug/L  | 380        | 364    |   | 96         | 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 | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB168741BS<br>Mercury | ug/L  | 4.0        | 3.55   |   | 89            | 80 - 120             | CV |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

WC-11L

**Lab Name:** Alliance **Contract:** JPCL01  
**Lab Code:** ACE **Lb No.:** lb136390 **Lab Sample ID :** Q2493-04L **SDG No.:** Q2473  
**Matrix (soil/water):** Water **Level (low/med):** LOW  
**Concentration Units:** ug/L

| Analyte  | Initial Sample<br>Result (I) |   | Serial Dilution<br>Result (S) |   | % Differ-<br>ence | Q | M  |
|----------|------------------------------|---|-------------------------------|---|-------------------|---|----|
| Arsenic  | 100                          | U | 500                           | U |                   |   | P  |
| Barium   | 1540                         |   | 1290                          | J | 16                |   | P  |
| Cadmium  | 30.0                         | U | 150                           | U |                   |   | P  |
| Chromium | 50.0                         | U | 250                           | U |                   |   | P  |
| Lead     | 60.0                         | U | 300                           | U |                   |   | P  |
| Mercury  | 2.07                         |   | 3.82                          | J | 85                |   | CV |
| Selenium | 100                          | U | 500                           | U |                   |   | P  |
| Silver   | 50.0                         | U | 250                           | U |                   |   | 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:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |            |           |           |
|----------|-------------------------|------------------------------------------|-----------|------------|-----------|-----------|
|          |                         | Al                                       | Ca        | Fe         | Mg        | Ag        |
| 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 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000930  | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000  | 0.0000000 | 0.0000000 |
| Lead     | 220.353                 | -0.0000920                               | 0.0000000 | 0.0000380  | 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 |

**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-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|          |                         | As                                       | Ba        | Be        | Cd        | Co         |
| 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  |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870  |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Lead     | 220.353                 | 0.0000000                                | 0.0003170 | 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  |

**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-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|          |                         | Cr                                       | Cu        | K         | Mn        | Mo         |
| 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  |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000070 | 0.0002200 | 0.0000000  |
| Lead     | 220.353                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0001400 | -0.0008600 |
| 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 |

**Metals**

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**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-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |           |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|-----------|
|          |                         | Na                                       | Ni        | Pb        | Sb        | Se        |
| 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 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead     | 220.353                 | 0.0000000                                | 0.0006580 | 0.0000000 | 0.0000000 | 0.0001290 |
| 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 |

**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-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |           |           |
|----------|-------------------------|------------------------------------------|------------|-----------|-----------|-----------|
|          |                         | Sn                                       | Ti         | Tl        | V         | Zn        |
| 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 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000630  | 0.0001280 | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0001110 | 0.0000000 |
| Lead     | 220.353                 | 0.0000000                                | -0.0003610 | 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 |

# METAL PREPARATION & ANALYICAL SUMMARY

**Metals**

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**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(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB168711</b> |            |             |        |            |                         |                          |                |
| PB168689TB                    | PB168689TB | MB          | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| PB168711BL                    | PB168711BL | MB          | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| PB168711BS                    | PB168711BS | LCS         | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| Q2473-05                      | PIT#1      | SAM         | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| Q2473-06                      | PIT#2      | SAM         | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| Q2473-07                      | PIT#3      | SAM         | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| Q2473-08                      | PIT#4      | SAM         | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| Q2493-04DUP                   | WC-11DUP   | DUP         | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| Q2493-04MS                    | WC-11MS    | MS          | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |
| Q2493-04MSD                   | WC-11MSD   | MSD         | WATER  | 07/03/2025 | 5.0                     | 25.0                     |                |

**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(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB168741</b> |            |             |        |            |                         |                          |                |
| PB168689TB                    | PB168689TB | MB          | WATER  | 07/07/2025 | 3.0                     | 30.0                     |                |
| PB168741BL                    | PB168741BL | MB          | WATER  | 07/07/2025 | 30.0                    | 30.0                     |                |
| PB168741BS                    | PB168741BS | LCS         | WATER  | 07/07/2025 | 30.0                    | 30.0                     |                |
| Q2473-05                      | PIT#1      | SAM         | WATER  | 07/07/2025 | 3.0                     | 30.0                     |                |
| Q2473-06                      | PIT#2      | SAM         | WATER  | 07/07/2025 | 3.0                     | 30.0                     |                |
| Q2473-07                      | PIT#3      | SAM         | WATER  | 07/07/2025 | 3.0                     | 30.0                     |                |
| Q2473-08                      | PIT#4      | SAM         | WATER  | 07/07/2025 | 3.0                     | 30.0                     |                |
| Q2493-04DUP                   | WC-11DUP   | DUP         | WATER  | 07/07/2025 | 3.0                     | 30.0                     |                |
| Q2493-04MS                    | WC-11MS    | MS          | WATER  | 07/07/2025 | 3.0                     | 30.0                     |                |
| Q2493-04MSD                   | WC-11MSD   | MSD         | WATER  | 07/07/2025 | 3.0                     | 30.0                     |                |

**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,As,Ba,Cd,Cr,Pb,Se |
| S1             | S1               | 1   | 1230 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S2             | S2               | 1   | 1234 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S3             | S3               | 1   | 1238 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S4             | S4               | 1   | 1242 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S5             | S5               | 1   | 1247 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICV01          | ICV01            | 1   | 1322 | Ag,As,Ba,Cd,Cr,Pb,Se |
| LLICV01        | LLICV01          | 1   | 1341 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICB01          | ICB01            | 1   | 1345 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CRI01          | CRI01            | 1   | 1349 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSA01         | ICSA01           | 1   | 1353 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSAB01        | ICSAB01          | 1   | 1410 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV01          | CCV01            | 1   | 1438 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB01          | CCB01            | 1   | 1442 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2473-05       | PIT#1            | 1   | 1521 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2473-06       | PIT#2            | 1   | 1525 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV02          | CCV02            | 1   | 1530 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB02          | CCB02            | 1   | 1534 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2493-04DUP    | WC-11DUP         | 1   | 1551 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2493-04L      | WC-11L           | 5   | 1555 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2493-04MS     | WC-11MS          | 1   | 1559 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2493-04MSD    | WC-11MSD         | 1   | 1604 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV03          | CCV03            | 1   | 1633 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB03          | CCB03            | 1   | 1637 | Ag,As,Ba,Cd,Cr,Pb,Se |
| PB168711BL     | PB168711BL       | 1   | 1641 | Ag,As,Ba,Cd,Cr,Pb,Se |
| PB168711BS     | PB168711BS       | 1   | 1714 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV04          | CCV04            | 1   | 1731 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB04          | CCB04            | 1   | 1735 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV05          | CCV05            | 1   | 0143 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB05          | CCB05            | 1   | 0147 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV06          | CCV06            | 1   | 0249 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB06          | CCB06            | 1   | 0253 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV07          | CCV07            | 1   | 0340 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB07          | CCB07            | 1   | 0344 | Ag,As,Ba,Cd,Cr,Pb,Se |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** JPCL Engineering

**Contract:** JPCL01

**Lab code:** ACE

**Sdg no.:** Q2473

**Instrument id number:** \_\_\_\_\_

**Method:** \_\_\_\_\_

**Run number:** LB136391

**Start date:** 07/08/2025

**End date:** 07/08/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|----------------|------------------|-----|------|----------------|
| S0             | S0               | 1   | 0835 | HG             |
| S0.2           | S0.2             | 1   | 0837 | HG             |
| S2.5           | S2.5             | 1   | 0839 | HG             |
| S5             | S5               | 1   | 0842 | HG             |
| S7.5           | S7.5             | 1   | 0844 | HG             |
| S10            | S10              | 1   | 0852 | HG             |
| ICV19          | ICV19            | 1   | 0859 | HG             |
| ICB19          | ICB19            | 1   | 0904 | HG             |
| CCV61          | CCV61            | 1   | 0907 | HG             |
| CCB61          | CCB61            | 1   | 0912 | HG             |
| CRA            | CRA              | 1   | 0914 | HG             |
| PB168741BL     | PB168741BL       | 1   | 0924 | HG             |
| PB168741BS     | PB168741BS       | 1   | 0930 | HG             |
| Q2473-05       | PIT#1            | 1   | 0933 | HG             |
| Q2473-06       | PIT#2            | 1   | 0935 | HG             |
| Q2473-07       | PIT#3            | 1   | 0937 | HG             |
| Q2473-08       | PIT#4            | 1   | 0940 | HG             |
| CCV62          | CCV62            | 1   | 0944 | HG             |
| CCB62          | CCB62            | 1   | 0950 | HG             |
| Q2493-04DUP    | WC-11DUP         | 1   | 0957 | HG             |
| Q2493-04MS     | WC-11MS          | 1   | 1005 | HG             |
| Q2493-04MSD    | WC-11MSD         | 1   | 1007 | HG             |
| CCV63          | CCV63            | 1   | 1024 | HG             |
| CCB63          | CCB63            | 1   | 1026 | HG             |
| CCV64          | CCV64            | 1   | 1053 | HG             |
| CCB64          | CCB64            | 1   | 1056 | HG             |
| PB168689TB     | PB168689TB       | 1   | 1058 | HG             |
| Q2493-04L      | WC-11L           | 5   | 1105 | HG             |
| CCV65          | CCV65            | 1   | 1114 | HG             |
| CCB65          | CCB65            | 1   | 1117 | HG             |

**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,As,Ba,Cd,Cr,Pb,Se |
| S1             | S1               | 1   | 0944 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S2             | S2               | 1   | 0948 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S3             | S3               | 1   | 0952 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S4             | S4               | 1   | 0957 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S5             | S5               | 1   | 1001 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICV01          | ICV01            | 1   | 1005 | Ag,As,Ba,Cd,Cr,Pb,Se |
| LLICV01        | LLICV01          | 1   | 1017 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICB01          | ICB01            | 1   | 1022 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CRI01          | CRI01            | 1   | 1026 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSA01         | ICSA01           | 1   | 1031 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSAB01        | ICSAB01          | 1   | 1035 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV01          | CCV01            | 1   | 1048 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB01          | CCB01            | 1   | 1057 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV02          | CCV02            | 1   | 1147 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB02          | CCB02            | 1   | 1156 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV03          | CCV03            | 1   | 1254 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB03          | CCB03            | 1   | 1258 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV04          | CCV04            | 1   | 1405 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB04          | CCB04            | 1   | 1428 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV05          | CCV05            | 1   | 1527 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB05          | CCB05            | 1   | 1533 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV06          | CCV06            | 1   | 1639 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB06          | CCB06            | 1   | 1643 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV07          | CCV07            | 1   | 1750 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB07          | CCB07            | 1   | 1754 | Ag,As,Ba,Cd,Cr,Pb,Se |
| PB168689TB     | PB168689TB       | 1   | 1835 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV08          | CCV08            | 1   | 1854 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB08          | CCB08            | 1   | 1858 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV09          | CCV09            | 1   | 1948 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB09          | CCB09            | 1   | 1952 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV10          | CCV10            | 1   | 2041 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB10          | CCB10            | 1   | 2045 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV11          | CCV11            | 1   | 2112 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB11          | CCB11            | 1   | 2116 | Ag,As,Ba,Cd,Cr,Pb,Se |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** JPCL Engineering

**Contract:** JPCL01

**Lab code:** ACE

**Sdg no.:** Q2473

**Instrument id number:** \_\_\_\_\_

**Method:** \_\_\_\_\_

**Run number:** LB136434

**Start date:** 07/10/2025

**End date:** 07/11/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list       |
|----------------|------------------|-----|------|----------------------|
| S0             | S0               | 1   | 1646 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S1             | S1               | 1   | 1650 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S2             | S2               | 1   | 1655 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S3             | S3               | 1   | 1659 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S4             | S4               | 1   | 1703 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S5             | S5               | 1   | 1707 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICV01          | ICV01            | 1   | 1839 | Ag,As,Ba,Cd,Cr,Pb,Se |
| LLICV01        | LLICV01          | 1   | 1851 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICB01          | ICB01            | 1   | 1855 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CRI01          | CRI01            | 1   | 1901 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSA01         | ICSA01           | 1   | 1911 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSAB01        | ICSAB01          | 1   | 1915 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV01          | CCV01            | 1   | 1943 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB01          | CCB01            | 1   | 1954 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV02          | CCV02            | 1   | 2059 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB02          | CCB02            | 1   | 2104 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV03          | CCV03            | 1   | 2232 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB03          | CCB03            | 1   | 2236 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2473-07       | PIT#3            | 1   | 2307 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2473-08       | PIT#4            | 1   | 2311 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV04          | CCV04            | 1   | 2329 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB04          | CCB04            | 1   | 2353 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV05          | CCV05            | 1   | 0047 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB05          | CCB05            | 1   | 0051 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV06          | CCV06            | 1   | 0147 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB06          | CCB06            | 1   | 0223 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV07          | CCV07            | 1   | 0317 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB07          | CCB07            | 1   | 0326 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV08          | CCV08            | 1   | 0418 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB08          | CCB08            | 1   | 0427 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV09          | CCV09            | 1   | 0519 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB09          | CCB09            | 1   | 0524 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV10          | CCV10            | 1   | 0616 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB10          | CCB10            | 1   | 0621 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV11          | CCV11            | 1   | 0643 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB11          | CCB11            | 1   | 0647 | Ag,As,Ba,Cd,Cr,Pb,Se |