



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

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q2250 **Order ID:** Q2250  
**Client:** JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger STC PTC Site D386

| Sample ID                      | Client ID   | Matrix | Parameter | Concentration | C | MDL  | RDL  | Units |
|--------------------------------|-------------|--------|-----------|---------------|---|------|------|-------|
| <b>Client ID : EB02-060525</b> |             |        |           |               |   |      |      |       |
| Q2250-05                       | EB02-060525 | Water  | Aluminum  | 2.09          | J | 1.94 | 20.0 | ug/L  |
| Q2250-05                       | EB02-060525 | Water  | Barium    | 0.68          | J | 0.21 | 10.0 | ug/L  |
| Q2250-05                       | EB02-060525 | Water  | Manganese | 0.92          | J | 0.43 | 1.00 | ug/L  |



# SAMPLE DATA

## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25 |
| Client Sample ID: | EB02-060525                               | SDG No.:        | Q2250    |
| Lab Sample ID:    | Q2250-05                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 2.09  | J    | 1  | 1.94  | 20.0       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-36-0 | Antimony  | 0.11  | U    | 1  | 0.11  | 2.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-38-2 | Arsenic   | 0.089 | UN*  | 1  | 0.089 | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-39-3 | Barium    | 0.68  | J    | 1  | 0.21  | 10.0       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-41-7 | Beryllium | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-43-9 | Cadmium   | 0.34  | U    | 1  | 0.34  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-70-2 | Calcium   | 45.7  | U    | 1  | 45.7  | 500        | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-47-3 | Chromium  | 0.21  | U    | 1  | 0.21  | 2.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-48-4 | Cobalt    | 0.070 | U    | 1  | 0.070 | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-50-8 | Copper    | 0.30  | U    | 1  | 0.30  | 2.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-89-6 | Iron      | 7.81  | U    | 1  | 7.81  | 50.0       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-92-1 | Lead      | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-95-4 | Magnesium | 19.5  | U    | 1  | 19.5  | 500        | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-96-5 | Manganese | 0.92  | J    | 1  | 0.43  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-97-6 | Mercury   | 0.076 | UN   | 1  | 0.076 | 0.20       | ug/L  | 06/09/25 15:15 | 06/10/25 13:37 | 7470A    |           |
| 7440-02-0 | Nickel    | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-09-7 | Potassium | 36.4  | U    | 1  | 36.4  | 500        | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7782-49-2 | Selenium  | 2.90  | U    | 1  | 2.90  | 5.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-22-4 | Silver    | 0.060 | UN   | 1  | 0.060 | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-23-5 | Sodium    | 128   | U    | 1  | 128   | 500        | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-28-0 | Thallium  | 0.060 | U    | 1  | 0.060 | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-62-2 | Vanadium  | 0.077 | U    | 1  | 0.077 | 5.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-66-6 | Zinc      | 1.25  | U    | 1  | 1.25  | 5.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

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:           | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25 |
| Client Sample ID: | EB02-060525                               | SDG No.:        | Q2250    |
| Lab Sample ID:    | Q2250-07                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|------|------------|-------|----------------|----------------|----------|-----------|
| 7439-89-6 | Iron      | 7.81  | U    | 1  | 7.81 | 50.0       | ug/L  | 06/09/25 12:20 | 06/11/25 21:30 | 6020B    | 3010A     |

|               |                         |                 |       |            |
|---------------|-------------------------|-----------------|-------|------------|
| Color Before: | Colorless               | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless               | Clarity After:  | Clear | Artifacts: |
| Comments:     | Dissolved Metals Group3 |                 |       |            |

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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
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**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

|           |                                |                |                     |              |           |       |                  |                  |               |  |
|-----------|--------------------------------|----------------|---------------------|--------------|-----------|-------|------------------|------------------|---------------|--|
| Client:   | JACOBS Engineering Group, Inc. |                |                     |              | SDG No.:  | Q2250 |                  |                  |               |  |
| Contract: | JACO05                         | Lab Code:      | CHEM                |              | Case No.: | Q2250 |                  | SAS No.:         | Q2250         |  |
| Sample ID | Analyte                        | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL      | M     | Analysis<br>Date | Analysis<br>Time | Run<br>Number |  |
| ICB31     | Mercury                        | 0.076          | +/-0.2              | U            | 0.20      | CV    | 06/10/2025       | 10:41            | LB136079      |  |

## Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2250

Contract: JACO05

Lab Code: CHEM

Case No.: Q2250

SAS No.: Q2250

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB17     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 06/10/2025       | 10:48            | LB136079      |
| CCB18     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 06/10/2025       | 11:37            | LB136079      |
| CCB19     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 06/10/2025       | 12:14            | LB136079      |
| CCB20     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 06/10/2025       | 12:59            | LB136079      |
| CCB21     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 06/10/2025       | 13:32            | LB136079      |
| CCB22     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 06/10/2025       | 14:30            | LB136079      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250

| 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     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 06/11/2025       | 19:07            | LB136121      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 06/11/2025       | 19:07            | LB136121      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 06/11/2025       | 19:07            | LB136121      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 06/11/2025       | 19:07            | LB136121      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 19:07            | LB136121      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> JACOBS Engineering Group, Inc. |                       | <b>SDG No.:</b> Q2250  |                       |              |      |   |                  |                  |               |
|-----------------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q2250 | <b>SAS No.:</b> Q2250 |              |      |   |                  |                  |               |
| 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                                         | Aluminum              | 1.94                   | +/-10                 | U            | 20.0 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Antimony              | 0.11                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Arsenic               | 0.089                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Barium                | 0.21                   | +/-5                  | U            | 10.0 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Beryllium             | 0.32                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Cadmium               | 0.34                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Calcium               | 45.7                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Chromium              | 0.21                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Cobalt                | 0.070                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Copper                | 0.30                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Iron                  | 7.81                   | +/-25                 | U            | 50.0 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Lead                  | 0.21                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Magnesium             | 19.5                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Manganese             | 0.43                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Nickel                | 0.27                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Potassium             | 36.4                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Selenium              | 2.90                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Silver                | 0.060                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Sodium                | 128                    | +/-250                | U            | 500  | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Thallium              | 0.060                  | +/-0.5                | J            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Vanadium              | 0.077                  | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Zinc                  | 1.25                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:35            | LB136121      |
| CCB02                                         | Aluminum              | 1.94                   | +/-10                 | U            | 20.0 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Antimony              | 0.11                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Arsenic               | 0.089                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Barium                | 0.21                   | +/-5                  | U            | 10.0 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Beryllium             | 0.32                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Cadmium               | 0.34                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Calcium               | 45.7                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Chromium              | 0.21                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Cobalt                | 0.070                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Copper                | 0.30                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Iron                  | 7.81                   | +/-25                 | U            | 50.0 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Lead                  | 0.21                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Magnesium             | 19.5                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Manganese             | 0.43                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Nickel                | 0.27                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Potassium             | 36.4                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Selenium              | 2.90                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:58            | LB136121      |

## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| <b>Client:</b> JACOBS Engineering Group, Inc. |                       | <b>SDG No.:</b> Q2250  |                       |              |      |   |                  |                  |               |
|-----------------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q2250 | <b>SAS No.:</b> Q2250 |              |      |   |                  |                  |               |
| Sample ID                                     | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB02                                         | Silver                | 0.060                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Sodium                | 128                    | +/-250                | U            | 500  | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Thallium              | 0.060                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Vanadium              | 0.077                  | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Zinc                  | 1.25                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:58            | LB136121      |
| CCB03                                         | Aluminum              | 1.94                   | +/-10                 | U            | 20.0 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Antimony              | 0.11                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Arsenic               | 0.089                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Barium                | 0.21                   | +/-5                  | U            | 10.0 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Beryllium             | 0.32                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Cadmium               | 0.34                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Calcium               | 45.7                   | +/-250                | U            | 500  | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Chromium              | 0.21                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Cobalt                | 0.070                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Copper                | 0.30                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Iron                  | 7.81                   | +/-25                 | U            | 50.0 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Lead                  | 0.21                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Magnesium             | 19.5                   | +/-250                | U            | 500  | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Manganese             | 0.43                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Nickel                | 0.27                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Potassium             | 36.4                   | +/-250                | U            | 500  | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Selenium              | 2.90                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Silver                | 0.060                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Sodium                | 128                    | +/-250                | U            | 500  | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Thallium              | 0.060                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Vanadium              | 0.077                  | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 20:41            | LB136121      |
|                                               | Zinc                  | 1.25                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 20:41            | LB136121      |
| CCB04                                         | Aluminum              | 1.94                   | +/-10                 | U            | 20.0 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Antimony              | 0.11                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Arsenic               | 0.089                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Barium                | 0.21                   | +/-5                  | U            | 10.0 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Beryllium             | 0.32                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Cadmium               | 0.34                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Calcium               | 45.7                   | +/-250                | U            | 500  | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Chromium              | 0.21                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Cobalt                | 0.070                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Copper                | 0.30                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Iron                  | 7.81                   | +/-25                 | U            | 50.0 | P | 06/11/2025       | 21:23            | LB136121      |
|                                               | Lead                  | 0.21                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB04     | Magnesium | 19.5           | +/-250              | U            | 500  | P | 06/11/2025       | 21:23            | LB136121      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 06/11/2025       | 21:23            | LB136121      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 06/11/2025       | 21:23            | LB136121      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:23            | LB136121      |
| CCB05     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 06/11/2025       | 21:45            | LB136121      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 06/11/2025       | 21:45            | LB136121      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 06/11/2025       | 21:45            | LB136121      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 06/11/2025       | 21:45            | LB136121      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:45            | LB136121      |

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

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**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>PB168379BL</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> | <b>PB168379</b> |    | <b>Prep Date:</b> | <b>06/09/2025</b> |          |
|                   | Mercury | 0.076            | <0.2                | U                    | 0.20            | CV | 06/10/2025        | 13:13             | LB136079 |

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

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Instrument:** P7

| 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>PB168360BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB168360</b> |   | <b>Prep Date:</b> | <b>06/09/2025</b> |          |
|                   | Aluminum     | 1.94             | <10                 | U                    | 20.0            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Antimony     | 0.11             | <1                  | U                    | 2.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Arsenic      | 0.089            | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Barium       | 0.21             | <5                  | U                    | 10.0            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Beryllium    | 0.32             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Cadmium      | 0.34             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Calcium      | 45.7             | <250                | U                    | 500             | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Chromium     | 0.21             | <1                  | U                    | 2.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Cobalt       | 0.070            | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Copper       | 0.30             | <1                  | U                    | 2.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Iron         | 7.81             | <25                 | U                    | 50.0            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Lead         | 0.21             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Magnesium    | 19.5             | <250                | U                    | 500             | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Manganese    | 0.43             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Nickel       | 0.27             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Potassium    | 36.4             | <250                | U                    | 500             | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Selenium     | 2.90             | <2.5                | U                    | 5.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Silver       | 0.060            | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Sodium       | 128              | <250                | U                    | 500             | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Thallium     | 0.060            | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Vanadium     | 0.077            | <2.5                | U                    | 5.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Zinc         | 1.25             | <2.5                | U                    | 5.00            | P | 06/11/2025        | 20:02             | LB136121 |



# METAL CALIBRATION DATA

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

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| 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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV31     | Mercury | 4.04           | 4.0        | 101           | 90 - 110                  | CV | 06/10/2025       | 10:39            | LB136079      |

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**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250

**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV17     | Mercury | 4.62           | 5.0        | 92            | 90 - 110                  | CV | 06/10/2025       | 10:43            | LB136079      |
| CCV18     | Mercury | 4.87           | 5.0        | 98            | 90 - 110                  | CV | 06/10/2025       | 11:32            | LB136079      |
| CCV19     | Mercury | 5.40           | 5.0        | 108           | 90 - 110                  | CV | 06/10/2025       | 12:12            | LB136079      |
| CCV20     | Mercury | 4.67           | 5.0        | 93            | 90 - 110                  | CV | 06/10/2025       | 12:57            | LB136079      |
| CCV21     | Mercury | 5.40           | 5.0        | 108           | 90 - 110                  | CV | 06/10/2025       | 13:30            | LB136079      |
| CCV22     | Mercury | 4.85           | 5.0        | 97            | 90 - 110                  | CV | 06/10/2025       | 14:28            | LB136079      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250

**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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 461            | 500        | 92            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Antimony  | 191            | 200        | 95            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Arsenic   | 215            | 200        | 107           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Barium    | 98.7           | 100        | 99            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Beryllium | 100            | 100        | 100           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Cadmium   | 108            | 100        | 108           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Calcium   | 1960           | 2000       | 98            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Chromium  | 101            | 100        | 101           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Cobalt    | 105            | 100        | 105           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Copper    | 99.0           | 100        | 99            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Iron      | 2000           | 2000       | 100           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Lead      | 186            | 200        | 93            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Magnesium | 1090           | 1200       | 91            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Manganese | 100            | 100        | 100           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Nickel    | 112            | 110        | 102           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Potassium | 1940           | 2000       | 97            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Selenium  | 194            | 200        | 97            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Silver    | 46.7           | 50.0       | 93            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Sodium    | 1900           | 2000       | 95            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Thallium  | 194            | 210        | 92            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Vanadium  | 97.6           | 100        | 98            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Zinc      | 197            | 200        | 99            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 16.7           | 20.0       | 83            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Antimony  | 2.00           | 2.0        | 100           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Arsenic   | 1.15           | 1.0        | 115           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Barium    | 9.49           | 10.0       | 95            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Beryllium | 1.05           | 1.0        | 105           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Cadmium   | 1.06           | 1.0        | 106           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Calcium   | 474            | 500        | 95            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Chromium  | 1.84           | 2.0        | 92            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Cobalt    | 0.99           | 1.0        | 99            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Copper    | 1.98           | 2.0        | 99            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Iron      | 52.6           | 50.0       | 105           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Lead      | 0.90           | 1.0        | 90            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Magnesium | 430            | 500        | 86            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Manganese | 1.10           | 1.0        | 110           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Nickel    | 1.05           | 1.0        | 105           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Potassium | 485            | 500        | 97            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Selenium  | 5.98           | 5.0        | 120           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Silver    | 1.07           | 1.0        | 107           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Sodium    | 471            | 500        | 94            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Thallium  | 0.88           | 1.0        | 88            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Vanadium  | 4.94           | 5.0        | 99            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Zinc      | 5.06           | 5.0        | 101           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
 Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
 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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 49600          | 50000      | 99            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Antimony  | 523            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Arsenic   | 483            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Barium    | 2620           | 2500       | 105           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Beryllium | 527            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Cadmium   | 503            | 500        | 101           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Calcium   | 259000         | 250000     | 104           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Chromium  | 466            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Cobalt    | 460            | 500        | 92            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Copper    | 4770           | 5000       | 95            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Iron      | 127000         | 125000     | 102           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Lead      | 2650           | 2500       | 106           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Magnesium | 235000         | 250000     | 94            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Manganese | 5010           | 5000       | 100           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Nickel    | 483            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Potassium | 126000         | 125000     | 101           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Selenium  | 487            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Silver    | 536            | 500        | 107           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Sodium    | 230000         | 250000     | 92            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Thallium  | 525            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Vanadium  | 471            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Zinc      | 4650           | 5000       | 93            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
| CCV02     | Aluminum  | 50800          | 50000      | 102           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Antimony  | 509            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Arsenic   | 493            | 500        | 99            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Barium    | 2560           | 2500       | 102           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Beryllium | 502            | 500        | 100           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Cadmium   | 485            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Calcium   | 248000         | 250000     | 99            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Chromium  | 472            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Cobalt    | 465            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Copper    | 4890           | 5000       | 98            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Iron      | 130000         | 125000     | 104           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Lead      | 2580           | 2500       | 103           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
 Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
 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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 241000         | 250000     | 96            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Manganese | 5000           | 5000       | 100           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Nickel    | 490            | 500        | 98            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Potassium | 128000         | 125000     | 102           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Selenium  | 485            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Silver    | 515            | 500        | 103           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Sodium    | 230000         | 250000     | 92            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Thallium  | 522            | 500        | 104           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Vanadium  | 475            | 500        | 95            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Zinc      | 4650           | 5000       | 93            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
| CCV03     | Aluminum  | 49100          | 50000      | 98            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Antimony  | 500            | 500        | 100           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Arsenic   | 486            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Barium    | 2510           | 2500       | 100           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Beryllium | 509            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Cadmium   | 479            | 500        | 96            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Calcium   | 253000         | 250000     | 101           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Chromium  | 468            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Cobalt    | 463            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Copper    | 4870           | 5000       | 98            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Iron      | 129000         | 125000     | 103           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Lead      | 2570           | 2500       | 103           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Magnesium | 233000         | 250000     | 93            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Manganese | 4980           | 5000       | 100           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Nickel    | 487            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Potassium | 127000         | 125000     | 102           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Selenium  | 471            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Silver    | 505            | 500        | 101           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Sodium    | 227000         | 250000     | 91            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Thallium  | 521            | 500        | 104           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Vanadium  | 472            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Zinc      | 4730           | 5000       | 94            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
| CCV04     | Aluminum  | 50000          | 50000      | 100           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Antimony  | 495            | 500        | 99            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
 Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
 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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 483            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Barium    | 2500           | 2500       | 100           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Beryllium | 512            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Cadmium   | 474            | 500        | 95            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Calcium   | 250000         | 250000     | 100           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Chromium  | 471            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Cobalt    | 465            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Copper    | 4900           | 5000       | 98            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Iron      | 128000         | 125000     | 103           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Lead      | 2580           | 2500       | 103           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Magnesium | 235000         | 250000     | 94            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Manganese | 5030           | 5000       | 100           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Nickel    | 490            | 500        | 98            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Potassium | 127000         | 125000     | 102           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Selenium  | 469            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Silver    | 509            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Sodium    | 230000         | 250000     | 92            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Thallium  | 523            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Vanadium  | 476            | 500        | 95            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Zinc      | 4750           | 5000       | 95            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
| CCV05     | Aluminum  | 49800          | 50000      | 100           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Antimony  | 511            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Arsenic   | 485            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Barium    | 2530           | 2500       | 101           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Beryllium | 513            | 500        | 103           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Cadmium   | 489            | 500        | 98            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Calcium   | 247000         | 250000     | 99            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Chromium  | 468            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Cobalt    | 465            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Copper    | 4920           | 5000       | 98            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Iron      | 128000         | 125000     | 103           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Lead      | 2580           | 2500       | 103           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Magnesium | 234000         | 250000     | 94            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Manganese | 5030           | 5000       | 101           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250

**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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Nickel    | 491            | 500        | 98            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Potassium | 130000         | 125000     | 104           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Selenium  | 482            | 500        | 96            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Silver    | 525            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Sodium    | 228000         | 250000     | 91            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Thallium  | 522            | 500        | 104           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Vanadium  | 475            | 500        | 95            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Zinc      | 4830           | 5000       | 97            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |



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

## Metals

- 2b -

### CRDL STANDARD FOR AA & ICP

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**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 |
|-----------|-----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CRA       | Mercury   | 0.20           | 0.2                | 102           | 70 - 130                  | CV | 06/10/2025       | 10:56            | LB136079      |
| CRI       | Aluminum  | 16.6           | 20.0               | 83            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Antimony  | 1.95           | 2.0                | 98            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Arsenic   | 1.09           | 1.0                | 109           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Barium    | 9.40           | 10.0               | 94            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Beryllium | 1.03           | 1.0                | 103           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Cadmium   | 0.99           | 1.0                | 99            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Calcium   | 468            | 500                | 94            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Chromium  | 1.98           | 2.0                | 99            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Cobalt    | 1.02           | 1.0                | 102           | 50 - 150                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Copper    | 2.10           | 2.0                | 105           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Iron      | 51.8           | 50.0               | 104           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Lead      | 0.93           | 1.0                | 93            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Magnesium | 435            | 500                | 87            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Manganese | 1.23           | 1.0                | 123           | 50 - 150                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Nickel    | 1.00           | 1.0                | 100           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Potassium | 490            | 500                | 98            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Selenium  | 6.05           | 5.0                | 121           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Silver    | 1.02           | 1.0                | 102           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Sodium    | 489            | 500                | 98            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Thallium  | 0.97           | 1.0                | 97            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Vanadium  | 4.87           | 5.0                | 97            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|           | Zinc      | 5.22           | 5.0                | 104           | 50 - 150                  | P  | 06/11/2025       | 19:39            | LB136121      |

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**ICS Source:** EPA **Instrument ID:** P7

| 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 |
|----------------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| <b>ICSA01</b>  | Aluminum  | 93400          | 100000             | 93            | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|                | Antimony  | 1.10           | 1.5                | 73            | -2.5                   | 5.5                     | 06/11/2025       | 19:10            | LB136121      |
|                | Arsenic   | 0.34           | 0.1                | 340           | -1.9                   | 2.1                     | 06/11/2025       | 19:10            | LB136121      |
|                | Barium    | 1.35           | 1.2                | 112           | -18.8                  | 21.2                    | 06/11/2025       | 19:10            | LB136121      |
|                | Beryllium | 0.26           |                    |               | -2                     | 2                       | 06/11/2025       | 19:10            | LB136121      |
|                | Cadmium   | 0.23           | 0.7                | 33            | -1.3                   | 2.7                     | 06/11/2025       | 19:10            | LB136121      |
|                | Calcium   | 102000         | 100000             | 102           | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|                | Chromium  | 20.3           | 21.0               | 97            | 17                     | 25                      | 06/11/2025       | 19:10            | LB136121      |
|                | Cobalt    | 1.30           | 1.0                | 130           | -1                     | 3                       | 06/11/2025       | 19:10            | LB136121      |
|                | Copper    | 8.65           | 8.0                | 108           | 4                      | 12                      | 06/11/2025       | 19:10            | LB136121      |
|                | Iron      | 103000         | 100000             | 103           | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|                | Lead      | 4.17           | 4.0                | 104           | 2                      | 6                       | 06/11/2025       | 19:10            | LB136121      |
|                | Magnesium | 93800          | 100000             | 94            | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|                | Manganese | 7.75           | 7.0                | 111           | 5                      | 9                       | 06/11/2025       | 19:10            | LB136121      |
|                | Nickel    | 5.88           | 6.0                | 98            | 4                      | 8                       | 06/11/2025       | 19:10            | LB136121      |
|                | Potassium | 106000         | 100000             | 106           | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|                | Selenium  | 0.94           | 0.3                | 313           | -9.7                   | 10                      | 06/11/2025       | 19:10            | LB136121      |
|                | Silver    | 0.050          |                    |               | -2                     | 2                       | 06/11/2025       | 19:10            | LB136121      |
|                | Sodium    | 108000         | 100000             | 108           | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|                | Thallium  | 0.050          |                    |               | -2                     | 2                       | 06/11/2025       | 19:10            | LB136121      |
|                | Vanadium  | 0.19           | 0.5                | 38            | -9.5                   | 10.5                    | 06/11/2025       | 19:10            | LB136121      |
|                | Zinc      | 10.8           | 11.0               | 98            | 1                      | 21                      | 06/11/2025       | 19:10            | LB136121      |
| <b>ICSAB01</b> | Aluminum  | 90200          | 100000             | 90            | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|                | Antimony  | 20.6           | 22.0               | 94            | 18                     | 26                      | 06/11/2025       | 19:13            | LB136121      |
|                | Arsenic   | 21.1           | 19.0               | 111           | 16.2                   | 21.9                    | 06/11/2025       | 19:13            | LB136121      |
|                | Barium    | 20.7           | 22.0               | 94            | 2                      | 42                      | 06/11/2025       | 19:13            | LB136121      |
|                | Beryllium | 20.3           | 19.0               | 107           | 16.2                   | 21.9                    | 06/11/2025       | 19:13            | LB136121      |
|                | Cadmium   | 20.8           | 20.0               | 104           | 17                     | 23                      | 06/11/2025       | 19:13            | LB136121      |
|                | Calcium   | 102000         | 100000             | 102           | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|                | Chromium  | 40.4           | 40.0               | 101           | 34                     | 46                      | 06/11/2025       | 19:13            | LB136121      |
|                | Cobalt    | 21.2           | 20.0               | 106           | 17                     | 23                      | 06/11/2025       | 19:13            | LB136121      |
|                | Copper    | 28.2           | 25.0               | 113           | 21                     | 29                      | 06/11/2025       | 19:13            | LB136121      |
|                | Iron      | 102000         | 100000             | 102           | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|                | Lead      | 25.2           | 25.0               | 101           | 21.3                   | 28.8                    | 06/11/2025       | 19:13            | LB136121      |
|                | Magnesium | 90700          | 100000             | 91            | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|                | Manganese | 27.2           | 27.0               | 101           | 23                     | 31.1                    | 06/11/2025       | 19:13            | LB136121      |
|                | Nickel    | 26.7           | 24.0               | 111           | 20.4                   | 27.6                    | 06/11/2025       | 19:13            | LB136121      |
|                | Potassium | 102000         | 100000             | 102           | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|                | Selenium  | 19.8           | 19.0               | 104           | 9                      | 29                      | 06/11/2025       | 19:13            | LB136121      |
|                | Silver    | 20.3           | 18.0               | 113           | 15.3                   | 20.7                    | 06/11/2025       | 19:13            | LB136121      |
|                | Sodium    | 107000         | 100000             | 107           | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|                | Thallium  | 19.1           | 21.0               | 91            | 17.9                   | 24.2                    | 06/11/2025       | 19:13            | LB136121      |

**Metals**

- 4 -

**INTERFERENCE CHECK SAMPLE**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**ICS Source:** EPA **Instrument ID:** P7

| 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   | Vanadium | 20.1           | 19.0               | 106           | 9                      | 29                      | 06/11/2025       | 19:13            | LB136121      |
|           | Zinc     | 30.6           | 29.0               | 106           | 19                     | 39                      | 06/11/2025       | 19:13            | LB136121      |



# METAL QC DATA

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

|                                                      |                                   |                                                            |
|------------------------------------------------------|-----------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b> <u>low</u>          | <b>sdg no.:</b> <u>Q2250</u>                               |
| <b>contract:</b> <u>JACO05</u>                       | <b>lab code:</b> <u>CHEM</u>      | <b>case no.:</b> <u>Q2250</u> <b>sas no.:</b> <u>Q2250</u> |
| <b>matrix:</b> <u>Water</u>                          | <b>sample id:</b> <u>Q2234-01</u> | <b>client id:</b> <u>MW-17B-55-060425MS</u>                |
| <b>Percent Solids for Sample:</b> <u>NA</u>          | <b>Spiked ID:</b> <u>Q2234-02</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 |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 7550             |   | 68.7             |   | 10000          | 75            |      | P |
| Antimony  | ug/L  | 75 - 125               | 492              |   | 0.39             | J | 500            | 98            |      | P |
| Arsenic   | ug/L  | 75 - 125               | 0.97             | J | 0.94             | J | 500            | 0             | N    | P |
| Barium    | ug/L  | 75 - 125               | 2620             |   | 461              |   | 2500           | 86            |      | P |
| Beryllium | ug/L  | 75 - 125               | 494              |   | 1.00             | U | 500            | 99            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 478              |   | 1.00             | U | 500            | 96            |      | P |
| Calcium   | ug/L  | 75 - 125               | 77700            |   | 32000            |   | 50000          | 91            |      | P |
| Chromium  | ug/L  | 75 - 125               | 442              |   | 0.21             | J | 500            | 88            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 471              |   | 8.11             |   | 500            | 93            |      | P |
| Copper    | ug/L  | 75 - 125               | 4710             |   | 2.00             | U | 5000           | 94            |      | P |
| Iron      | ug/L  | 75 - 125               | 26600            |   | 6790             |   | 25000          | 79            |      | P |
| Lead      | ug/L  | 75 - 125               | 2410             |   | 1.00             | U | 2500           | 96            |      | P |
| Magnesium | ug/L  | 75 - 125               | 53400            |   | 9240             |   | 50000          | 88            |      | P |
| Manganese | ug/L  | 75 - 125               | 5390             |   | 621              |   | 5000           | 95            |      | P |
| Nickel    | ug/L  | 75 - 125               | 481              |   | 12.1             |   | 500            | 94            |      | P |
| Potassium | ug/L  | 75 - 125               | 29800            |   | 9030             |   | 25000          | 83            |      | P |
| Selenium  | ug/L  | 75 - 125               | 483              |   | 5.00             | U | 500            | 97            |      | P |
| Silver    | ug/L  | 75 - 125               | 82.8             |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 56400            |   | 8060             |   | 50000          | 97            |      | P |
| Thallium  | ug/L  | 75 - 125               | 477              |   | 0.22             | J | 500            | 95            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 458              |   | 0.73             | J | 500            | 91            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4910             |   | 5.06             |   | 5000           | 98            |      | P |

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

|                                   |                                       |                   |                 |                                         |                            |
|-----------------------------------|---------------------------------------|-------------------|-----------------|-----------------------------------------|----------------------------|
| <b>client:</b>                    | <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b>     | <u>low</u>      | <b>sdg no.:</b>                         | <u>Q2250</u>               |
| <b>contract:</b>                  | <u>JACO05</u>                         | <b>lab code:</b>  | <u>CHEM</u>     | <b>case no.:</b>                        | <u>Q2250</u>               |
| <b>matrix:</b>                    | <u>Water</u>                          | <b>sample id:</b> | <u>Q2234-01</u> | <b>client id:</b>                       | <u>MW-17B-55-060425MSD</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                             | <b>Spiked ID:</b> | <u>Q2234-03</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 |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 7550          |   | 68.7             |   | 10000          | 75            |      | P |
| Antimony  | ug/L  | 75 - 125               | 492           |   | 0.39             | J | 500            | 98            |      | P |
| Arsenic   | ug/L  | 75 - 125               | 0.92          | J | 0.94             | J | 500            | 0             | N    | P |
| Barium    | ug/L  | 75 - 125               | 2650          |   | 461              |   | 2500           | 88            |      | P |
| Beryllium | ug/L  | 75 - 125               | 488           |   | 1.00             | U | 500            | 98            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 480           |   | 1.00             | U | 500            | 96            |      | P |
| Calcium   | ug/L  | 75 - 125               | 76600         |   | 32000            |   | 50000          | 89            |      | P |
| Chromium  | ug/L  | 75 - 125               | 434           |   | 0.21             | J | 500            | 87            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 455           |   | 8.11             |   | 500            | 89            |      | P |
| Copper    | ug/L  | 75 - 125               | 4750          |   | 2.00             | U | 5000           | 95            |      | P |
| Iron      | ug/L  | 75 - 125               | 26600         |   | 6790             |   | 25000          | 79            |      | P |
| Lead      | ug/L  | 75 - 125               | 2390          |   | 1.00             | U | 2500           | 96            |      | P |
| Magnesium | ug/L  | 75 - 125               | 53300         |   | 9240             |   | 50000          | 88            |      | P |
| Manganese | ug/L  | 75 - 125               | 5450          |   | 621              |   | 5000           | 97            |      | P |
| Nickel    | ug/L  | 75 - 125               | 482           |   | 12.1             |   | 500            | 94            |      | P |
| Potassium | ug/L  | 75 - 125               | 29800         |   | 9030             |   | 25000          | 83            |      | P |
| Selenium  | ug/L  | 75 - 125               | 484           |   | 5.00             | U | 500            | 97            |      | P |
| Silver    | ug/L  | 75 - 125               | 82.4          |   | 1.00             | U | 500            | 16            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 57000         |   | 8060             |   | 50000          | 98            |      | P |
| Thallium  | ug/L  | 75 - 125               | 487           |   | 0.22             | J | 500            | 97            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 453           |   | 0.73             | J | 500            | 91            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4920          |   | 5.06             |   | 5000           | 98            |      | P |

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

|                                   |                                       |                   |                 |                                         |                           |
|-----------------------------------|---------------------------------------|-------------------|-----------------|-----------------------------------------|---------------------------|
| <b>client:</b>                    | <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b>     | <u>low</u>      | <b>sdg no.:</b>                         | <u>Q2250</u>              |
| <b>contract:</b>                  | <u>JACO05</u>                         | <b>lab code:</b>  | <u>CHEM</u>     | <b>case no.:</b>                        | <u>Q2250</u>              |
| <b>matrix:</b>                    | <u>Water</u>                          | <b>sample id:</b> | <u>Q2234-08</u> | <b>client id:</b>                       | <u>MW-17B-55-060425MS</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                             | <b>Spiked ID:</b> | <u>Q2234-09</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 |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 7720             |   | 17.9             | J | 10000          | 77            |      | P |
| Antimony  | ug/L  | 75 - 125               | 509              |   | 0.28             | J | 500            | 102           |      | P |
| Arsenic   | ug/L  | 75 - 125               | 0.90             | J | 0.88             | J | 500            | 0             | N    | P |
| Barium    | ug/L  | 75 - 125               | 2730             |   | 462              |   | 2500           | 91            |      | P |
| Beryllium | ug/L  | 75 - 125               | 498              |   | 1.00             | U | 500            | 100           |      | P |
| Cadmium   | ug/L  | 75 - 125               | 496              |   | 1.00             | U | 500            | 99            |      | P |
| Calcium   | ug/L  | 75 - 125               | 79400            |   | 34100            |   | 50000          | 91            |      | P |
| Chromium  | ug/L  | 75 - 125               | 454              |   | 2.00             | U | 500            | 91            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 471              |   | 8.20             |   | 500            | 92            |      | P |
| Copper    | ug/L  | 75 - 125               | 4880             |   | 2.00             | U | 5000           | 98            |      | P |
| Iron      | ug/L  | 75 - 125               | 27300            |   | 6980             |   | 25000          | 81            |      | P |
| Lead      | ug/L  | 75 - 125               | 2440             |   | 1.00             | U | 2500           | 98            |      | P |
| Magnesium | ug/L  | 75 - 125               | 55000            |   | 9620             |   | 50000          | 91            |      | P |
| Manganese | ug/L  | 75 - 125               | 5630             |   | 651              |   | 5000           | 100           |      | P |
| Nickel    | ug/L  | 75 - 125               | 496              |   | 11.4             |   | 500            | 97            |      | P |
| Potassium | ug/L  | 75 - 125               | 30300            |   | 8840             |   | 25000          | 86            |      | P |
| Selenium  | ug/L  | 75 - 125               | 493              |   | 5.00             | U | 500            | 99            |      | P |
| Silver    | ug/L  | 75 - 125               | 85.4             |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 58100            |   | 7570             |   | 50000          | 101           |      | P |
| Thallium  | ug/L  | 75 - 125               | 495              |   | 0.23             | J | 500            | 99            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 472              |   | 0.27             | J | 500            | 94            |      | P |
| Zinc      | ug/L  | 75 - 125               | 5070             |   | 4.13             | J | 5000           | 101           |      | P |

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

**client:** JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2250  
**contract:** JACO05 **lab code:** CHEM **case no.:** Q2250 **sas no.:** Q2250  
**matrix:** Water **sample id:** Q2234-08 **client id:** MW-17B-55-060425MSD  
**Percent Solids for Sample:** NA **Spiked ID:** Q2234-10 **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 7600          |   | 17.9             | J | 10000          | 76            |      | P |
| Antimony  | ug/L  | 75 - 125               | 507           |   | 0.28             | J | 500            | 101           |      | P |
| Arsenic   | ug/L  | 75 - 125               | 0.88          | J | 0.88             | J | 500            | 0             | N    | P |
| Barium    | ug/L  | 75 - 125               | 2750          |   | 462              |   | 2500           | 91            |      | P |
| Beryllium | ug/L  | 75 - 125               | 495           |   | 1.00             | U | 500            | 99            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 491           |   | 1.00             | U | 500            | 98            |      | P |
| Calcium   | ug/L  | 75 - 125               | 80200         |   | 34100            |   | 50000          | 92            |      | P |
| Chromium  | ug/L  | 75 - 125               | 446           |   | 2.00             | U | 500            | 89            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 465           |   | 8.20             |   | 500            | 91            |      | P |
| Copper    | ug/L  | 75 - 125               | 4800          |   | 2.00             | U | 5000           | 96            |      | P |
| Iron      | ug/L  | 75 - 125               | 26900         |   | 6980             |   | 25000          | 80            |      | P |
| Lead      | ug/L  | 75 - 125               | 2420          |   | 1.00             | U | 2500           | 97            |      | P |
| Magnesium | ug/L  | 75 - 125               | 54500         |   | 9620             |   | 50000          | 90            |      | P |
| Manganese | ug/L  | 75 - 125               | 5480          |   | 651              |   | 5000           | 97            |      | P |
| Nickel    | ug/L  | 75 - 125               | 490           |   | 11.4             |   | 500            | 96            |      | P |
| Potassium | ug/L  | 75 - 125               | 29700         |   | 8840             |   | 25000          | 83            |      | P |
| Selenium  | ug/L  | 75 - 125               | 496           |   | 5.00             | U | 500            | 99            |      | P |
| Silver    | ug/L  | 75 - 125               | 85.7          |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 57200         |   | 7570             |   | 50000          | 99            |      | P |
| Thallium  | ug/L  | 75 - 125               | 493           |   | 0.23             | J | 500            | 99            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 464           |   | 0.27             | J | 500            | 93            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4940          |   | 4.13             | J | 5000           | 99            |      | P |

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

|                                                      |                                     |                                                            |
|------------------------------------------------------|-------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q2250</u>                               |
| <b>contract:</b> <u>JACO05</u>                       | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q2250</u> <b>sas no.:</b> <u>Q2250</u> |
| <b>matrix:</b> <u>Water</u>                          | <b>sample id:</b> <u>Q2237-02</u>   | <b>client id:</b> <u>TW-WTS-10MS</u>                       |
| <b>Percent Solids for Sample:</b> <u>NA</u>          | <b>Spiked ID:</b> <u>Q2237-02MS</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  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 5.01             |   | 0.20             | U | 4.0            | 125           | N    | CV |

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

|                                               |                               |                                              |
|-----------------------------------------------|-------------------------------|----------------------------------------------|
| <b>client:</b> JACOBS Engineering Group, Inc. | <b>level:</b> low             | <b>sdg no.:</b> Q2250                        |
| <b>contract:</b> JACO05                       | <b>lab code:</b> CHEM         | <b>case no.:</b> Q2250 <b>sas no.:</b> Q2250 |
| <b>matrix:</b> Water                          | <b>sample id:</b> Q2237-02    | <b>client id:</b> TW-WTS-10MSD               |
| <b>Percent Solids for Sample:</b> NA          | <b>Spiked ID:</b> Q2237-02MSD | <b>Percent Solids for Spike Sample:</b> NA   |

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 5.01          |   | 0.20             | U | 4.0            | 125           | N    | CV |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

|                                               |                             |                                              |
|-----------------------------------------------|-----------------------------|----------------------------------------------|
| <b>Client:</b> JACOBS Engineering Group, Inc. | <b>SDG No.:</b> Q2250       |                                              |
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM       | <b>Case No.:</b> Q2250 <b>SAS No.:</b> Q2250 |
| <b>Matrix:</b> Water                          | <b>Level:</b> LOW           | <b>Client ID:</b> MW-17B-55-060425A          |
| <b>Sample ID:</b> Q2234-01                    | <b>Spiked ID:</b> Q2234-01A |                                              |

| 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               | 0.86             | J | 0.94             | J | 500            | 0             | N    | P |
| Silver  | ug/L  | 75 - 125               | 82.0             |   | 1.00             | U | 500            | 16            | N    | P |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

|                                               |                             |                                              |
|-----------------------------------------------|-----------------------------|----------------------------------------------|
| <b>Client:</b> JACOBS Engineering Group, Inc. | <b>SDG No.:</b> Q2250       |                                              |
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM       | <b>Case No.:</b> Q2250 <b>SAS No.:</b> Q2250 |
| <b>Matrix:</b> Water                          | <b>Level:</b> LOW           | <b>Client ID:</b> MW-17B-55-060425A          |
| <b>Sample ID:</b> Q2234-08                    | <b>Spiked ID:</b> Q2234-08A |                                              |

| 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               | 0.91             | J | 0.88             | J | 500            | 0             | N    | P |
| Silver  | ug/L  | 75 - 125               | 84.7             |   | 1.00             | U | 500            | 17            | N    | P |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Contract:** JACO05

**Lab Code:** CHEM

**Case No.:** Q2250

**SAS No.:** Q2250

**Matrix:** Water

**Level:** LOW

**Client ID:** TW-WTS-10A

**Sample ID:** Q2237-02

**Spiked ID:** Q2237-02A

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 4.09             |   | 0.20             | U | 4.00           | 102           |      | CV |

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2234-01 **Client ID:** MW-17B-55-060425DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q2234-01DUP **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 68.7          |   | 61.6             |   | 11  |      | P |
| Antimony  | ug/L  | 20               | 0.39          | J | 0.35             | J | 11  |      | P |
| Arsenic   | ug/L  | 20               | 0.94          | J | 0.69             | J | 31  | *    | P |
| Barium    | ug/L  | 20               | 461           |   | 455              |   | 1   |      | P |
| Beryllium | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Cadmium   | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Calcium   | ug/L  | 20               | 32000         |   | 31900            |   | 0   |      | P |
| Chromium  | ug/L  | 20               | 0.21          | J | 0.23             | J | 9   |      | P |
| Cobalt    | ug/L  | 20               | 8.11          |   | 8.00             |   | 1   |      | P |
| Copper    | ug/L  | 20               | 2.00          | U | 2.00             | U |     |      | P |
| Iron      | ug/L  | 20               | 6790          |   | 6740             |   | 1   |      | P |
| Lead      | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Magnesium | ug/L  | 20               | 9240          |   | 8980             |   | 3   |      | P |
| Manganese | ug/L  | 20               | 621           |   | 618              |   | 0   |      | P |
| Nickel    | ug/L  | 20               | 12.1          |   | 11.9             |   | 2   |      | P |
| Potassium | ug/L  | 20               | 9030          |   | 8990             |   | 0   |      | P |
| Selenium  | ug/L  | 20               | 5.00          | U | 5.00             | U |     |      | P |
| Silver    | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Sodium    | ug/L  | 20               | 8060          |   | 7880             |   | 2   |      | P |
| Thallium  | ug/L  | 20               | 0.22          | J | 0.23             | J | 4   |      | P |
| Vanadium  | ug/L  | 20               | 0.73          | J | 0.68             | J | 7   |      | P |
| Zinc      | ug/L  | 20               | 5.06          |   | 5.17             |   | 2   |      | P |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2234-02 **Client ID:** MW-17B-55-060425MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2234-03 **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 7550          |   | 7550             |   | 0   |      | P |
| Antimony  | ug/L  | 20               | 492           |   | 492              |   | 0   |      | P |
| Arsenic   | ug/L  | 20               | 0.97          | J | 0.92             | J | 5   |      | P |
| Barium    | ug/L  | 20               | 2620          |   | 2650             |   | 1   |      | P |
| Beryllium | ug/L  | 20               | 494           |   | 488              |   | 1   |      | P |
| Cadmium   | ug/L  | 20               | 478           |   | 480              |   | 0   |      | P |
| Calcium   | ug/L  | 20               | 77700         |   | 76600            |   | 1   |      | P |
| Chromium  | ug/L  | 20               | 442           |   | 434              |   | 2   |      | P |
| Cobalt    | ug/L  | 20               | 471           |   | 455              |   | 3   |      | P |
| Copper    | ug/L  | 20               | 4710          |   | 4750             |   | 1   |      | P |
| Iron      | ug/L  | 20               | 26600         |   | 26600            |   | 0   |      | P |
| Lead      | ug/L  | 20               | 2410          |   | 2390             |   | 1   |      | P |
| Magnesium | ug/L  | 20               | 53400         |   | 53300            |   | 0   |      | P |
| Manganese | ug/L  | 20               | 5390          |   | 5450             |   | 1   |      | P |
| Nickel    | ug/L  | 20               | 481           |   | 482              |   | 0   |      | P |
| Potassium | ug/L  | 20               | 29800         |   | 29800            |   | 0   |      | P |
| Selenium  | ug/L  | 20               | 483           |   | 484              |   | 0   |      | P |
| Silver    | ug/L  | 20               | 82.8          |   | 82.4             |   | 0   |      | P |
| Sodium    | ug/L  | 20               | 56400         |   | 57000            |   | 1   |      | P |
| Thallium  | ug/L  | 20               | 477           |   | 487              |   | 2   |      | P |
| Vanadium  | ug/L  | 20               | 458           |   | 453              |   | 1   |      | P |
| Zinc      | ug/L  | 20               | 4910          |   | 4920             |   | 0   |      | P |

# Metals

- 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** JACOBS Engineering Group, Inc.      **Level:** LOW      **SDG No.:** Q2250  
**Contract:** JACO05      **Lab Code:** CHEM      **Case No.:** Q2250      **SAS No.:** Q2250  
**Matrix:** Water      **Sample ID:** Q2234-08      **Client ID:** MW-17B-55-060425DUP  
**Percent Solids for Sample:** NA      **Duplicate ID** Q2234-08DUP      **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 17.9          | J | 17.4             | J | 3   |      | P |
| Antimony  | ug/L  | 20               | 0.28          | J | 0.29             | J | 4   |      | P |
| Arsenic   | ug/L  | 20               | 0.88          | J | 0.88             | J | 0   |      | P |
| Barium    | ug/L  | 20               | 462           |   | 471              |   | 2   |      | P |
| Beryllium | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Cadmium   | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Calcium   | ug/L  | 20               | 34100         |   | 35000            |   | 3   |      | P |
| Chromium  | ug/L  | 20               | 2.00          | U | 2.00             | U |     |      | P |
| Cobalt    | ug/L  | 20               | 8.20          |   | 8.24             |   | 0   |      | P |
| Copper    | ug/L  | 20               | 2.00          | U | 2.00             | U |     |      | P |
| Iron      | ug/L  | 20               | 6980          |   | 7010             |   | 0   |      | P |
| Lead      | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Magnesium | ug/L  | 20               | 9620          |   | 9680             |   | 1   |      | P |
| Manganese | ug/L  | 20               | 651           |   | 653              |   | 0   |      | P |
| Nickel    | ug/L  | 20               | 11.4          |   | 11.8             |   | 3   |      | P |
| Potassium | ug/L  | 20               | 8840          |   | 8810             |   | 0   |      | P |
| Selenium  | ug/L  | 20               | 5.00          | U | 5.00             | U |     |      | P |
| Silver    | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Sodium    | ug/L  | 20               | 7570          |   | 7800             |   | 3   |      | P |
| Thallium  | ug/L  | 20               | 0.23          | J | 0.22             | J | 4   |      | P |
| Vanadium  | ug/L  | 20               | 0.27          | J | 0.26             | J | 4   |      | P |
| Zinc      | ug/L  | 20               | 4.13          | J | 4.18             | J | 1   |      | P |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2234-09 **Client ID:** MW-17B-55-060425MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2234-10 **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 7720          |   | 7600             |   | 2   |      | P |
| Antimony  | ug/L  | 20               | 509           |   | 507              |   | 0   |      | P |
| Arsenic   | ug/L  | 20               | 0.90          | J | 0.88             | J | 2   |      | P |
| Barium    | ug/L  | 20               | 2730          |   | 2750             |   | 1   |      | P |
| Beryllium | ug/L  | 20               | 498           |   | 495              |   | 1   |      | P |
| Cadmium   | ug/L  | 20               | 496           |   | 491              |   | 1   |      | P |
| Calcium   | ug/L  | 20               | 79400         |   | 80200            |   | 1   |      | P |
| Chromium  | ug/L  | 20               | 454           |   | 446              |   | 2   |      | P |
| Cobalt    | ug/L  | 20               | 471           |   | 465              |   | 1   |      | P |
| Copper    | ug/L  | 20               | 4880          |   | 4800             |   | 2   |      | P |
| Iron      | ug/L  | 20               | 27300         |   | 26900            |   | 1   |      | P |
| Lead      | ug/L  | 20               | 2440          |   | 2420             |   | 1   |      | P |
| Magnesium | ug/L  | 20               | 55000         |   | 54500            |   | 1   |      | P |
| Manganese | ug/L  | 20               | 5630          |   | 5480             |   | 3   |      | P |
| Nickel    | ug/L  | 20               | 496           |   | 490              |   | 1   |      | P |
| Potassium | ug/L  | 20               | 30300         |   | 29700            |   | 2   |      | P |
| Selenium  | ug/L  | 20               | 493           |   | 496              |   | 1   |      | P |
| Silver    | ug/L  | 20               | 85.4          |   | 85.7             |   | 0   |      | P |
| Sodium    | ug/L  | 20               | 58100         |   | 57200            |   | 2   |      | P |
| Thallium  | ug/L  | 20               | 495           |   | 493              |   | 0   |      | P |
| Vanadium  | ug/L  | 20               | 472           |   | 464              |   | 2   |      | P |
| Zinc      | ug/L  | 20               | 5070          |   | 4940             |   | 3   |      | P |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                                       |                     |                 |                                         |                     |
|-----------------------------------|---------------------------------------|---------------------|-----------------|-----------------------------------------|---------------------|
| <b>Client:</b>                    | <u>JACOBS Engineering Group, Inc.</u> | <b>Level:</b>       | <u>LOW</u>      | <b>SDG No.:</b>                         | <u>Q2250</u>        |
| <b>Contract:</b>                  | <u>JACO05</u>                         | <b>Lab Code:</b>    | <u>CHEM</u>     | <b>Case No.:</b>                        | <u>Q2250</u>        |
| <b>Matrix:</b>                    | <u>Water</u>                          | <b>Sample ID:</b>   | <u>Q2237-02</u> | <b>Client ID:</b>                       | <u>TW-WTS-10DUP</u> |
| <b>Percent Solids for Sample:</b> | NA                                    | <b>Duplicate ID</b> | Q2237-02DUP     | <b>Percent Solids for Spike Sample:</b> | NA                  |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | C | Duplicate<br>Result | C | RPD | Qual | M  |
|---------|-------|---------------------|------------------|---|---------------------|---|-----|------|----|
| Mercury | ug/L  | 20                  | 0.20             | U | 0.20                | U |     |      | CV |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                                       |                     |                   |                                         |                     |
|-----------------------------------|---------------------------------------|---------------------|-------------------|-----------------------------------------|---------------------|
| <b>Client:</b>                    | <u>JACOBS Engineering Group, Inc.</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>Q2250</u>        |
| <b>Contract:</b>                  | <u>JACO05</u>                         | <b>Lab Code:</b>    | <u>CHEM</u>       | <b>Case No.:</b>                        | <u>Q2250</u>        |
| <b>Matrix:</b>                    | <u>Water</u>                          | <b>Sample ID:</b>   | <u>Q2237-02MS</u> | <b>Client ID:</b>                       | <u>TW-WTS-10MSD</u> |
| <b>Percent Solids for Sample:</b> | NA                                    | <b>Duplicate ID</b> | Q2237-02MSD       | <b>Percent Solids for Spike Sample:</b> | NA                  |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 5.01          |   | 5.01             |   | 0   |      | CV |

**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250

| Analyte    | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------|-------|------------|--------|---|---------------|----------------------|---|
| PB168360BS |       |            |        |   |               |                      |   |
| Aluminum   | ug/L  | 10000      | 8600   |   | 86            | 80 - 120             | P |
| Antimony   | ug/L  | 500        | 513    |   | 103           | 80 - 120             | P |
| Arsenic    | ug/L  | 500        | 502    |   | 100           | 80 - 120             | P |
| Barium     | ug/L  | 2500       | 2530   |   | 101           | 80 - 120             | P |
| Beryllium  | ug/L  | 500        | 504    |   | 101           | 80 - 120             | P |
| Cadmium    | ug/L  | 500        | 509    |   | 102           | 80 - 120             | P |
| Calcium    | ug/L  | 50000      | 49300  |   | 99            | 80 - 120             | P |
| Chromium   | ug/L  | 500        | 471    |   | 94            | 80 - 120             | P |
| Cobalt     | ug/L  | 500        | 471    |   | 94            | 80 - 120             | P |
| Copper     | ug/L  | 5000       | 5030   |   | 101           | 80 - 120             | P |
| Iron       | ug/L  | 25000      | 23800  |   | 95            | 80 - 120             | P |
| Lead       | ug/L  | 2500       | 2540   |   | 102           | 80 - 120             | P |
| Magnesium  | ug/L  | 50000      | 47800  |   | 96            | 80 - 120             | P |
| Manganese  | ug/L  | 5000       | 5050   |   | 101           | 80 - 120             | P |
| Nickel     | ug/L  | 500        | 501    |   | 100           | 80 - 120             | P |
| Potassium  | ug/L  | 25000      | 25000  |   | 100           | 80 - 120             | P |
| Selenium   | ug/L  | 500        | 496    |   | 99            | 80 - 120             | P |
| Silver     | ug/L  | 500        | 493    |   | 99            | 80 - 120             | P |
| Sodium     | ug/L  | 50000      | 51800  |   | 104           | 80 - 120             | P |
| Thallium   | ug/L  | 500        | 502    |   | 100           | 80 - 120             | P |
| Vanadium   | ug/L  | 500        | 469    |   | 94            | 80 - 120             | P |
| Zinc       | ug/L  | 5000       | 5090   |   | 102           | 80 - 120             | P |

**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Contract:** JACO05

**Lab Code:** CHEM

**Case No.:** Q2250

**SAS No.:** Q2250

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB168379BS<br>Mercury | ug/L  | 4.0        | 4.27   |   | 107           | 80 - 120             | CV |

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                 |   |                |   |                  |   |                  |   |
|-----------------|--------------------|------|-----------------------------------------------|---|-----------------|---|----------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>6Li                                | Q | Element<br>45Sc | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q |
| S0              | S0                 | 1800 | 100                                           |   | 100             |   | 100            |   | 100              |   | 100              |   |
| S2              | S2                 | 1807 | 100                                           |   | 104             |   | 100            |   | 100              |   | 101              |   |
| S3              | S3                 | 1814 | 104                                           |   | 105             |   | 103            |   | 104              |   | 103              |   |
| S4              | S4                 | 1818 | 103                                           |   | 105             |   | 103            |   | 102              |   | 103              |   |
| S5              | S5                 | 1821 | 103                                           |   | 103             |   | 101            |   | 99               |   | 102              |   |
| S6              | S6                 | 1824 | 102                                           |   | 101             |   | 103            |   | 101              |   | 107              |   |
| S7              | S7                 | 1827 | 100                                           |   | 101             |   | 103            |   | 99               |   | 107              |   |
| S8              | S8                 | 1830 | 101                                           |   | 105             |   | 103            |   | 96               |   | 104              |   |
| ICV01           | ICV01              | 1848 | 97                                            |   | 103             |   | 103            |   | 103              |   | 104              |   |
| LLICV01         | LLICV01            | 1900 | 96                                            |   | 105             |   | 104            |   | 103              |   | 102              |   |
| ICB01           | ICB01              | 1907 | 96                                            |   | 103             |   | 104            |   | 102              |   | 103              |   |
| ICSA01          | ICSA01             | 1910 | 97                                            |   | 104             |   | 103            |   | 101              |   | 107              |   |
| ICSAB01         | ICSAB01            | 1913 | 96                                            |   | 103             |   | 105            |   | 101              |   | 110              |   |
| CCV01           | CCV01              | 1929 | 93                                            |   | 102             |   | 103            |   | 98               |   | 104              |   |
| CCB01           | CCB01              | 1935 | 97                                            |   | 104             |   | 105            |   | 103              |   | 105              |   |
| CRI             | CRI                | 1939 | 97                                            |   | 103             |   | 104            |   | 103              |   | 105              |   |
| ZZZZZZ          | ZZZZZZ             | 1942 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1948 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV02           | CCV02              | 1952 | 103                                           |   | 109             |   | 108            |   | 102              |   | 110              |   |
| CCB02           | CCB02              | 1958 | 99                                            |   | 104             |   | 106            |   | 104              |   | 106              |   |
| PB168360BL      | PB168360BL         | 2002 | 99                                            |   | 104             |   | 106            |   | 105              |   | 108              |   |
| PB168360BS      | PB168360BS         | 2005 | 100                                           |   | 107             |   | 108            |   | 104              |   | 110              |   |
| ZZZZZZ          | ZZZZZZ             | 2009 |                                               |   |                 |   |                |   |                  |   |                  |   |
| Q2234-01DUP     | MW-17B-55-0        | 2012 | 104                                           |   | 118             |   | 119            |   | 118              |   | 121              |   |
| Q2234-01L       | MW-17B-55-0        | 2016 | 96                                            |   | 109             |   | 110            |   | 109              |   | 112              |   |
| Q2234-02        | MW-17B-55-0        | 2019 | 104                                           |   | 120             |   | 120            |   | 114              |   | 122              |   |
| Q2234-03        | MW-17B-55-0        | 2022 | 104                                           |   | 117             |   | 119            |   | 117              |   | 121              |   |
| Q2234-01A       | MW-17B-55-0        | 2025 | 103                                           |   | 118             |   | 120            |   | 115              |   | 122              |   |
| ZZZZZZ          | ZZZZZZ             | 2028 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2031 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV03           | CCV03              | 2035 | 95                                            |   | 107             |   | 110            |   | 102              |   | 113              |   |
| CCB03           | CCB03              | 2041 | 95                                            |   | 103             |   | 106            |   | 105              |   | 108              |   |
| ZZZZZZ          | ZZZZZZ             | 2044 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2047 |                                               |   |                 |   |                |   |                  |   |                  |   |
| Q2234-08DUP     | MW-17B-55-0        | 2051 | 105                                           |   | 119             |   | 121            |   | 117              |   | 122              |   |
| Q2234-08L       | MW-17B-55-0        | 2054 | 93                                            |   | 108             |   | 110            |   | 108              |   | 112              |   |

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                 |   |                |   |                  |   |                  |   |
|-----------------|--------------------|------|-----------------------------------------------|---|-----------------|---|----------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>6Li                                | Q | Element<br>45Sc | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q |
| Q2234-09        | MW-17B-55-0        | 2057 | 105                                           |   | 121             |   | 121            |   | 117              |   | 122              |   |
| Q2234-10        | MW-17B-55-0        | 2100 | 104                                           |   | 117             |   | 120            |   | 114              |   | 121              |   |
| Q2234-08A       | MW-17B-55-0        | 2103 | 104                                           |   | 117             |   | 122            |   | 117              |   | 124              |   |
| ZZZZZZ          | ZZZZZZ             | 2106 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2110 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2113 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV04           | CCV04              | 2116 | 93                                            |   | 108             |   | 112            |   | 104              |   | 115              |   |
| CCB04           | CCB04              | 2123 | 93                                            |   | 107             |   | 109            |   | 108              |   | 110              |   |
| Q2250-05        | EB02-060525        | 2127 | 103                                           |   | 120             |   | 122            |   | 123              |   | 126              |   |
| Q2250-07        | EB02-060525        | 2130 | 101                                           |   | 118             |   | 121            |   | 119              |   | 124              |   |
| CCV05           | CCV05              | 2134 | 93                                            |   | 109             |   | 108            |   | 102              |   | 111              |   |
| CCB05           | CCB05              | 2145 | 91                                            |   | 106             |   | 109            |   | 107              |   | 110              |   |

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab SampleID | Client SampleID | Time | Internal Standard %RI For: Collision Cell |   |                |   |                  |   |                  |   |                  |   |
|--------------|-----------------|------|-------------------------------------------|---|----------------|---|------------------|---|------------------|---|------------------|---|
|              |                 |      | Element<br>45Sc                           | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q | Element<br>165Ho | Q |
| S0           | S0              | 1800 | 100                                       |   | 100            |   | 100              |   | 100              |   | 100              |   |
| S2           | S2              | 1807 | 101                                       |   | 100            |   | 100              |   | 99               |   | 101              |   |
| S3           | S3              | 1814 | 103                                       |   | 102            |   | 102              |   | 105              |   | 104              |   |
| S4           | S4              | 1818 | 100                                       |   | 100            |   | 100              |   | 103              |   | 101              |   |
| S5           | S5              | 1821 | 100                                       |   | 100            |   | 99               |   | 103              |   | 104              |   |
| S6           | S6              | 1824 | 102                                       |   | 100            |   | 99               |   | 104              |   | 103              |   |
| S7           | S7              | 1827 | 102                                       |   | 103            |   | 100              |   | 106              |   | 107              |   |
| S8           | S8              | 1830 | 103                                       |   | 102            |   | 95               |   | 105              |   | 105              |   |
| ICV01        | ICV01           | 1848 | 102                                       |   | 103            |   | 103              |   | 105              |   | 105              |   |
| LLICV01      | LLICV01         | 1900 | 101                                       |   | 103            |   | 103              |   | 105              |   | 104              |   |
| ICB01        | ICB01           | 1907 | 101                                       |   | 102            |   | 103              |   | 104              |   | 105              |   |
| ICSA01       | ICSA01          | 1910 | 101                                       |   | 102            |   | 100              |   | 105              |   | 106              |   |
| ICSAB01      | ICSAB01         | 1913 | 101                                       |   | 102            |   | 100              |   | 106              |   | 106              |   |
| CCV01        | CCV01           | 1929 | 104                                       |   | 104            |   | 98               |   | 106              |   | 106              |   |
| CCB01        | CCB01           | 1935 | 101                                       |   | 103            |   | 103              |   | 104              |   | 105              |   |
| CRI          | CRI             | 1939 | 100                                       |   | 103            |   | 103              |   | 104              |   | 104              |   |
| ZZZZZZ       | ZZZZZZ          | 1942 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ       | ZZZZZZ          | 1948 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV02        | CCV02           | 1952 | 106                                       |   | 107            |   | 100              |   | 107              |   | 109              |   |
| CCB02        | CCB02           | 1958 | 103                                       |   | 104            |   | 104              |   | 105              |   | 105              |   |
| PB168360BL   | PB168360BL      | 2002 | 102                                       |   | 104            |   | 104              |   | 105              |   | 106              |   |
| PB168360BS   | PB168360BS      | 2005 | 105                                       |   | 105            |   | 103              |   | 109              |   | 109              |   |
| ZZZZZZ       | ZZZZZZ          | 2009 |                                           |   |                |   |                  |   |                  |   |                  |   |
| Q2234-01DUP  | MW-17B-55-0     | 2012 | 114                                       |   | 116            |   | 115              |   | 117              |   | 118              |   |
| Q2234-01L    | MW-17B-55-0     | 2016 | 105                                       |   | 108            |   | 107              |   | 108              |   | 109              |   |
| Q2234-02     | MW-17B-55-0     | 2019 | 114                                       |   | 114            |   | 112              |   | 117              |   | 117              |   |
| Q2234-03     | MW-17B-55-0     | 2022 | 113                                       |   | 115            |   | 112              |   | 117              |   | 116              |   |
| Q2234-01A    | MW-17B-55-0     | 2025 | 114                                       |   | 115            |   | 113              |   | 118              |   | 118              |   |
| ZZZZZZ       | ZZZZZZ          | 2028 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ       | ZZZZZZ          | 2031 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV03        | CCV03           | 2035 | 105                                       |   | 106            |   | 100              |   | 108              |   | 109              |   |
| CCB03        | CCB03           | 2041 | 102                                       |   | 104            |   | 103              |   | 105              |   | 106              |   |
| ZZZZZZ       | ZZZZZZ          | 2044 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ       | ZZZZZZ          | 2047 |                                           |   |                |   |                  |   |                  |   |                  |   |
| Q2234-08DUP  | MW-17B-55-0     | 2051 | 114                                       |   | 117            |   | 115              |   | 119              |   | 120              |   |
| Q2234-08L    | MW-17B-55-0     | 2054 | 105                                       |   | 109            |   | 108              |   | 110              |   | 110              |   |

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |                |   |                  |   |                  |   |                  |   |
|-----------------|--------------------|------|-------------------------------------------|---|----------------|---|------------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>45Sc                           | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q | Element<br>165Ho | Q |
| Q2234-09        | MW-17B-55-0        | 2057 | 113                                       |   | 116            |   | 113              |   | 119              |   | 119              |   |
| Q2234-10        | MW-17B-55-0        | 2100 | 115                                       |   | 115            |   | 113              |   | 118              |   | 118              |   |
| Q2234-08A       | MW-17B-55-0        | 2103 | 115                                       |   | 116            |   | 113              |   | 119              |   | 118              |   |
| ZZZZZZ          | ZZZZZZ             | 2106 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2110 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2113 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV04           | CCV04              | 2116 | 106                                       |   | 109            |   | 103              |   | 109              |   | 111              |   |
| CCB04           | CCB04              | 2123 | 105                                       |   | 106            |   | 107              |   | 110              |   | 110              |   |
| Q2250-05        | EB02-060525        | 2127 | 115                                       |   | 119            |   | 118              |   | 118              |   | 121              |   |
| Q2250-07        | EB02-060525        | 2130 | 113                                       |   | 118            |   | 116              |   | 117              |   | 120              |   |
| CCV05           | CCV05              | 2134 | 106                                       |   | 109            |   | 102              |   | 109              |   | 111              |   |
| CCB05           | CCB05              | 2145 | 104                                       |   | 107            |   | 106              |   | 109              |   | 108              |   |

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                  |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-----------------------------------------------|---|------------------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>165Ho                              | Q | Element<br>209Bi | Q | Element | Q | Element | Q | Element | Q |
| S0              | S0                 | 1800 | 100                                           |   | 100              |   |         |   |         |   |         |   |
| S2              | S2                 | 1807 | 99                                            |   | 101              |   |         |   |         |   |         |   |
| S3              | S3                 | 1814 | 103                                           |   | 105              |   |         |   |         |   |         |   |
| S4              | S4                 | 1818 | 102                                           |   | 105              |   |         |   |         |   |         |   |
| S5              | S5                 | 1821 | 105                                           |   | 105              |   |         |   |         |   |         |   |
| S6              | S6                 | 1824 | 105                                           |   | 106              |   |         |   |         |   |         |   |
| S7              | S7                 | 1827 | 106                                           |   | 105              |   |         |   |         |   |         |   |
| S8              | S8                 | 1830 | 105                                           |   | 98               |   |         |   |         |   |         |   |
| ICV01           | ICV01              | 1848 | 103                                           |   | 104              |   |         |   |         |   |         |   |
| LLICV01         | LLICV01            | 1900 | 105                                           |   | 104              |   |         |   |         |   |         |   |
| ICB01           | ICB01              | 1907 | 101                                           |   | 103              |   |         |   |         |   |         |   |
| ICSA01          | ICSA01             | 1910 | 105                                           |   | 103              |   |         |   |         |   |         |   |
| ICSAB01         | ICSAB01            | 1913 | 108                                           |   | 106              |   |         |   |         |   |         |   |
| CCV01           | CCV01              | 1929 | 104                                           |   | 99               |   |         |   |         |   |         |   |
| CCB01           | CCB01              | 1935 | 105                                           |   | 104              |   |         |   |         |   |         |   |
| CRI             | CRI                | 1939 | 105                                           |   | 104              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1942 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1948 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV02           | CCV02              | 1952 | 111                                           |   | 104              |   |         |   |         |   |         |   |
| CCB02           | CCB02              | 1958 | 106                                           |   | 104              |   |         |   |         |   |         |   |
| PB168360BL      | PB168360BL         | 2002 | 109                                           |   | 107              |   |         |   |         |   |         |   |
| PB168360BS      | PB168360BS         | 2005 | 109                                           |   | 107              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2009 |                                               |   |                  |   |         |   |         |   |         |   |
| Q2234-01DUP     | MW-17B-55-06       | 2012 | 119                                           |   | 117              |   |         |   |         |   |         |   |
| Q2234-01L       | MW-17B-55-06       | 2016 | 110                                           |   | 110              |   |         |   |         |   |         |   |
| Q2234-02        | MW-17B-55-06       | 2019 | 122                                           |   | 117              |   |         |   |         |   |         |   |
| Q2234-03        | MW-17B-55-06       | 2022 | 123                                           |   | 117              |   |         |   |         |   |         |   |
| Q2234-01A       | MW-17B-55-06       | 2025 | 120                                           |   | 118              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2028 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2031 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV03           | CCV03              | 2035 | 112                                           |   | 105              |   |         |   |         |   |         |   |
| CCB03           | CCB03              | 2041 | 108                                           |   | 107              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2044 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2047 |                                               |   |                  |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                  |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-----------------------------------------------|---|------------------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>165Ho                              | Q | Element<br>209Bi | Q | Element | Q | Element | Q | Element | Q |
| Q2234-08DUP     | MW-17B-55-06       | 2051 | 123                                           |   | 121              |   |         |   |         |   |         |   |
| Q2234-08L       | MW-17B-55-06       | 2054 | 111                                           |   | 110              |   |         |   |         |   |         |   |
| Q2234-09        | MW-17B-55-06       | 2057 | 124                                           |   | 120              |   |         |   |         |   |         |   |
| Q2234-10        | MW-17B-55-06       | 2100 | 122                                           |   | 119              |   |         |   |         |   |         |   |
| Q2234-08A       | MW-17B-55-06       | 2103 | 123                                           |   | 120              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2106 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2110 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2113 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV04           | CCV04              | 2116 | 114                                           |   | 106              |   |         |   |         |   |         |   |
| CCB04           | CCB04              | 2123 | 110                                           |   | 109              |   |         |   |         |   |         |   |
| Q2250-05        | EB02-060525        | 2127 | 125                                           |   | 124              |   |         |   |         |   |         |   |
| Q2250-07        | EB02-060525        | 2130 | 122                                           |   | 121              |   |         |   |         |   |         |   |
| CCV05           | CCV05              | 2134 | 113                                           |   | 104              |   |         |   |         |   |         |   |
| CCB05           | CCB05              | 2145 | 110                                           |   | 107              |   |         |   |         |   |         |   |

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |         |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-------------------------------------------|---|---------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>209Bi                          | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| S0              | S0                 | 1800 | 100                                       |   |         |   |         |   |         |   |         |   |
| S2              | S2                 | 1807 | 100                                       |   |         |   |         |   |         |   |         |   |
| S3              | S3                 | 1814 | 103                                       |   |         |   |         |   |         |   |         |   |
| S4              | S4                 | 1818 | 103                                       |   |         |   |         |   |         |   |         |   |
| S5              | S5                 | 1821 | 103                                       |   |         |   |         |   |         |   |         |   |
| S6              | S6                 | 1824 | 102                                       |   |         |   |         |   |         |   |         |   |
| S7              | S7                 | 1827 | 103                                       |   |         |   |         |   |         |   |         |   |
| S8              | S8                 | 1830 | 95                                        |   |         |   |         |   |         |   |         |   |
| ICV01           | ICV01              | 1848 | 104                                       |   |         |   |         |   |         |   |         |   |
| LLICV01         | LLICV01            | 1900 | 103                                       |   |         |   |         |   |         |   |         |   |
| ICB01           | ICB01              | 1907 | 103                                       |   |         |   |         |   |         |   |         |   |
| ICSA01          | ICSA01             | 1910 | 102                                       |   |         |   |         |   |         |   |         |   |
| ICSAB01         | ICSAB01            | 1913 | 103                                       |   |         |   |         |   |         |   |         |   |
| CCV01           | CCV01              | 1929 | 98                                        |   |         |   |         |   |         |   |         |   |
| CCB01           | CCB01              | 1935 | 103                                       |   |         |   |         |   |         |   |         |   |
| CRI             | CRI                | 1939 | 103                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1942 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1948 |                                           |   |         |   |         |   |         |   |         |   |
| CCV02           | CCV02              | 1952 | 101                                       |   |         |   |         |   |         |   |         |   |
| CCB02           | CCB02              | 1958 | 104                                       |   |         |   |         |   |         |   |         |   |
| PB168360BL      | PB168360BL         | 2002 | 105                                       |   |         |   |         |   |         |   |         |   |
| PB168360BS      | PB168360BS         | 2005 | 104                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2009 |                                           |   |         |   |         |   |         |   |         |   |
| Q2234-01DUP     | MW-17B-55-06       | 2012 | 115                                       |   |         |   |         |   |         |   |         |   |
| Q2234-01L       | MW-17B-55-06       | 2016 | 108                                       |   |         |   |         |   |         |   |         |   |
| Q2234-02        | MW-17B-55-06       | 2019 | 113                                       |   |         |   |         |   |         |   |         |   |
| Q2234-03        | MW-17B-55-06       | 2022 | 114                                       |   |         |   |         |   |         |   |         |   |
| Q2234-01A       | MW-17B-55-06       | 2025 | 114                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2028 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2031 |                                           |   |         |   |         |   |         |   |         |   |
| CCV03           | CCV03              | 2035 | 100                                       |   |         |   |         |   |         |   |         |   |
| CCB03           | CCB03              | 2041 | 105                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2044 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2047 |                                           |   |         |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |         |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-------------------------------------------|---|---------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>209Bi                          | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| Q2234-08DUP     | MW-17B-55-06       | 2051 | 117                                       |   |         |   |         |   |         |   |         |   |
| Q2234-08L       | MW-17B-55-06       | 2054 | 109                                       |   |         |   |         |   |         |   |         |   |
| Q2234-09        | MW-17B-55-06       | 2057 | 115                                       |   |         |   |         |   |         |   |         |   |
| Q2234-10        | MW-17B-55-06       | 2100 | 115                                       |   |         |   |         |   |         |   |         |   |
| Q2234-08A       | MW-17B-55-06       | 2103 | 114                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2106 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2110 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2113 |                                           |   |         |   |         |   |         |   |         |   |
| CCV04           | CCV04              | 2116 | 103                                       |   |         |   |         |   |         |   |         |   |
| CCB04           | CCB04              | 2123 | 107                                       |   |         |   |         |   |         |   |         |   |
| Q2250-05        | EB02-060525        | 2127 | 118                                       |   |         |   |         |   |         |   |         |   |
| Q2250-07        | EB02-060525        | 2130 | 116                                       |   |         |   |         |   |         |   |         |   |
| CCV05           | CCV05              | 2134 | 101                                       |   |         |   |         |   |         |   |         |   |
| CCB05           | CCB05              | 2145 | 107                                       |   |         |   |         |   |         |   |         |   |

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

**SAMPLE NO.**

MW-17B-55-060425L

**Lab Name:** Chemtech Consulting Group

**Contract:** JAC005

**Lab Code:** CHEM **Lb No.:** lb136121 **Lab Sample ID :** Q2234-01L **SDG No.:** Q2250

**Matrix (soil/water):** Water **Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Differ-ence | Q | M |
|-----------|---------------------------|---|----------------------------|---|---------------|---|---|
|           |                           | C |                            | C |               |   |   |
| Aluminum  | 68.7                      |   | 59.1                       | J | 14            |   | P |
| Antimony  | 0.39                      | J | 10.0                       | U | 100.0         |   | P |
| Arsenic   | 0.94                      | J | 0.80                       | J | 15            |   | P |
| Barium    | 461                       |   | 447                        |   | 3             |   | P |
| Beryllium | 1.00                      | U | 5.00                       | U |               |   | P |
| Cadmium   | 1.00                      | U | 5.00                       | U |               |   | P |
| Calcium   | 32000                     |   | 29700                      |   | 7             |   | P |
| Chromium  | 0.21                      | J | 10.0                       | U | 100.0         |   | P |
| Cobalt    | 8.11                      |   | 7.95                       |   | 2             |   | P |
| Copper    | 2.00                      | U | 10.0                       | U |               |   | P |
| Iron      | 6790                      |   | 6620                       |   | 3             |   | P |
| Lead      | 1.00                      | U | 5.00                       | U |               |   | P |
| Magnesium | 9240                      |   | 8020                       |   | 13            |   | P |
| Manganese | 621                       |   | 614                        |   | 1             |   | P |
| Nickel    | 12.1                      |   | 11.5                       |   | 5             |   | P |
| Potassium | 9030                      |   | 8340                       |   | 8             |   | P |
| Selenium  | 5.00                      | U | 25.0                       | U |               |   | P |
| Silver    | 1.00                      | U | 5.00                       | U |               |   | P |
| Sodium    | 8060                      |   | 7030                       |   | 13            |   | P |
| Thallium  | 0.22                      | J | 5.00                       | U | 100.0         |   | P |
| Vanadium  | 0.73                      | J | 0.60                       | J | 18            |   | P |
| Zinc      | 5.06                      |   | 25.0                       | U | 100.0         |   | P |

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

**SAMPLE NO.**

MW-17B-55-060425L

**Lab Name:** Chemtech Consulting Group

**Contract:** JACO05

**Lab Code:** CHEM **Lb No.:** lb136121 **Lab Sample ID :** Q2234-08L **SDG No.:** Q2250

**Matrix (soil/water):** Water **Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Difference | Q | M |
|-----------|---------------------------|---|----------------------------|---|--------------|---|---|
|           |                           | C |                            | C |              |   |   |
| Aluminum  | 17.9                      | J | 22.6                       | J | 26           |   | P |
| Antimony  | 0.28                      | J | 10.0                       | U | 100.0        |   | P |
| Arsenic   | 0.88                      | J | 0.85                       | J | 3            |   | P |
| Barium    | 462                       |   | 457                        |   | 1            |   | P |
| Beryllium | 1.00                      | U | 5.00                       | U |              |   | P |
| Cadmium   | 1.00                      | U | 5.00                       | U |              |   | P |
| Calcium   | 34100                     |   | 34200                      |   | 1            |   | P |
| Chromium  | 2.00                      | U | 10.0                       | U |              |   | P |
| Cobalt    | 8.20                      |   | 8.10                       |   | 1            |   | P |
| Copper    | 2.00                      | U | 10.0                       | U |              |   | P |
| Iron      | 6980                      |   | 6960                       |   | 0            |   | P |
| Lead      | 1.00                      | U | 5.00                       | U |              |   | P |
| Magnesium | 9620                      |   | 8770                       |   | 9            |   | P |
| Manganese | 651                       |   | 649                        |   | 0            |   | P |
| Nickel    | 11.4                      |   | 11.7                       |   | 3            |   | P |
| Potassium | 8840                      |   | 8170                       |   | 8            |   | P |
| Selenium  | 5.00                      | U | 25.0                       | U |              |   | P |
| Silver    | 1.00                      | U | 5.00                       | U |              |   | P |
| Sodium    | 7570                      |   | 6800                       |   | 10           |   | P |
| Thallium  | 0.23                      | J | 0.30                       | J | 30           |   | P |
| Vanadium  | 0.27                      | J | 25.0                       | U | 100.0        |   | P |
| Zinc      | 4.13                      | J | 25.0                       | U | 100.0        |   | P |

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

**SAMPLE NO.**

TW-WTS-10L

**Lab Name:** Chemtech Consulting Group **Contract:** JACO05  
**Lab Code:** CHEM **Lb No.:** lb136079 **Lab Sample ID :** Q2237-02L **SDG No.:** Q2250  
**Matrix (soil/water):** Water **Level (low/med):** LOW  
**Concentration Units:** ug/L

| Analyte | Initial Sample<br>Result (I) | C | Serial Dilution<br>Result (S) | C | % Differ-<br>ence | Q | M  |
|---------|------------------------------|---|-------------------------------|---|-------------------|---|----|
| Mercury | 0.20                         | U | 1.00                          | U |                   |   | CV |

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

**Client:** JACOBS Engineering Group, Inc.

**Contract:** JACO05

**Lab code:** CHEM **Case no.:** Q2250 **Sas no.:** Q2250

**Sdg no.:** Q2250

**Instrument id number:**                      **Method:**                     

**Run number:** LB136079

**Start date:** 06/10/2025 **End date:** 06/10/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|----------------|------------------|-----|------|----------------|
| S0             | S0               | 1   | 1008 | HG             |
| S0.2           | S0.2             | 1   | 1010 | HG             |
| S2.5           | S2.5             | 1   | 1013 | HG             |
| S5             | S5               | 1   | 1015 | HG             |
| S7.5           | S7.5             | 1   | 1020 | HG             |
| S10            | S10              | 1   | 1030 | HG             |
| ICV31          | ICV31            | 1   | 1039 | HG             |
| ICB31          | ICB31            | 1   | 1041 | HG             |
| CCV17          | CCV17            | 1   | 1043 | HG             |
| CCB17          | CCB17            | 1   | 1048 | HG             |
| CRA            | CRA              | 1   | 1056 | HG             |
| CCV18          | CCV18            | 1   | 1132 | HG             |
| CCB18          | CCB18            | 1   | 1137 | HG             |
| CCV19          | CCV19            | 1   | 1212 | HG             |
| CCB19          | CCB19            | 1   | 1214 | HG             |
| CCV20          | CCV20            | 1   | 1257 | HG             |
| CCB20          | CCB20            | 1   | 1259 | HG             |
| PB168379BL     | PB168379BL       | 1   | 1313 | HG             |
| PB168379BS     | PB168379BS       | 1   | 1318 | HG             |
| Q2237-02DUP    | TW-WTS-10DUP     | 1   | 1323 | HG             |
| Q2237-02MS     | TW-WTS-10MS      | 1   | 1325 | HG             |
| CCV21          | CCV21            | 1   | 1330 | HG             |
| CCB21          | CCB21            | 1   | 1332 | HG             |
| Q2237-02MSD    | TW-WTS-10MSD     | 1   | 1335 | HG             |
| Q2250-05       | EB02-060525      | 1   | 1337 | HG             |
| Q2237-02L      | TW-WTS-10L       | 5   | 1400 | HG             |
| Q2237-02A      | TW-WTS-10A       | 1   | 1405 | HG             |
| CCV22          | CCV22            | 1   | 1428 | HG             |
| CCB22          | CCB22            | 1   | 1430 | HG             |

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

**Client:** JACOBS Engineering Group, Inc.

**Contract:** JACO05

**Lab code:** CHEM **Case no.:** Q2250

**Sas no.:** Q2250

**Sdg no.:** Q2250

**Instrument id number:** **Method:**

**Run number:** LB136121

**Start date:** 06/11/2025 **End date:** 06/11/2025

| Lab sample id. | Client Sample Id    | d/f | Time | Parameter list                                                  |
|----------------|---------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0                  | 1   | 1800 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2             | S2                  | 1   | 1807 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3             | S3                  | 1   | 1814 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4             | S4                  | 1   | 1818 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5             | S5                  | 1   | 1821 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S6             | S6                  | 1   | 1824 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S7             | S7                  | 1   | 1827 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S8             | S8                  | 1   | 1830 | Fe,Al,Ca,K,Mg,Na                                                |
| ICV01          | ICV01               | 1   | 1848 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01        | LLICV01             | 1   | 1900 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01          | ICB01               | 1   | 1907 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01         | ICSA01              | 1   | 1910 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01        | ICSAB01             | 1   | 1913 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01          | CCV01               | 1   | 1929 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01          | CCB01               | 1   | 1935 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI            | CRI                 | 1   | 1939 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02          | CCV02               | 1   | 1952 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02          | CCB02               | 1   | 1958 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168360BL     | PB168360BL          | 1   | 2002 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168360BS     | PB168360BS          | 1   | 2005 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-01DUP    | MW-17B-55-060425DUP | 1   | 2012 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-01L      | MW-17B-55-060425L   | 5   | 2016 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-02       | MW-17B-55-060425MS  | 1   | 2019 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-03       | MW-17B-55-060425MSD | 1   | 2022 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-01A      | MW-17B-55-060425A   | 1   | 2025 | Ag,As                                                           |
| CCV03          | CCV03               | 1   | 2035 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03          | CCB03               | 1   | 2041 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-08DUP    | MW-17B-55-060425DUP | 1   | 2051 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-08L      | MW-17B-55-060425L   | 5   | 2054 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-09       | MW-17B-55-060425MS  | 1   | 2057 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-10       | MW-17B-55-060425MSD | 1   | 2100 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-08A      | MW-17B-55-060425A   | 1   | 2103 | Ag,As                                                           |
| CCV04          | CCV04               | 1   | 2116 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04          | CCB04               | 1   | 2123 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2250-05       | EB02-060525         | 1   | 2127 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2250-07       | EB02-060525         | 1   | 2130 | Fe                                                              |
| CCV05          | CCV05               | 1   | 2134 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05          | CCB05               | 1   | 2145 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |



# METAL PREPARATION & INSTRUMENT DATA

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q2250                          | <b>OrderDate:</b> | 6/5/2025 4:22:00 PM                       |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | D22,N31,VOA Ref. #3 Water                 |

| LabID    | ClientID    | Matrix | Test                 | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------|--------|----------------------|--------|-------------|-----------|-----------|----------|
| Q2250-05 | EB02-060525 | Water  | Mercury              | 7470A  | 06/05/25    | 06/09/25  | 06/10/25  | 06/05/25 |
|          |             |        | Metals ICP-TAL       | 6020B  |             | 06/09/25  | 06/11/25  |          |
| Q2250-07 | EB02-060525 | Water  | Dissolved ICP-Group2 | 6020B  | 06/05/25    | 06/09/25  | 06/11/25  | 06/05/25 |
|          |             |        |                      |        |             |           |           |          |



# METAL PREPARATION & ANALYICAL SUMMARY

**Metals**

- 13 -

**SAMPLE PREPARATION SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Contract:** JACO05

**Lab Code:** CHEM

**Method:**

**Case No.:** Q2250 **SAS No.:** Q2250

| Sample ID                     | Client ID           | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|---------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB168360</b> |                     |             |        |            |                         |                          |                |
| PB168360BL                    | PB168360BL          | MB          | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| PB168360BS                    | PB168360BS          | LCS         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-01DUP                   | MW-17B-55-060425DUP | DUP         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-02                      | MW-17B-55-060425MS  | MS          | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-03                      | MW-17B-55-060425MSD | MSD         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-08DUP                   | MW-17B-55-060425DUP | DUP         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-09                      | MW-17B-55-060425MS  | MS          | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-10                      | MW-17B-55-060425MSD | MSD         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2250-05                      | EB02-060525         | SAM         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2250-07                      | EB02-060525         | SAM         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |

**Metals**

- 13 -

**SAMPLE PREPARATION SUMMARY**

|                  |                                       |                  |              |
|------------------|---------------------------------------|------------------|--------------|
| <b>Client:</b>   | <u>JACOBS Engineering Group, Inc.</u> | <b>SDG No.:</b>  | <u>Q2250</u> |
| <b>Contract:</b> | <u>JACO05</u>                         | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                                       | <b>Method:</b>   | <u></u>      |
|                  |                                       | <b>Case No.:</b> | <u>Q2250</u> |
|                  |                                       | <b>SAS No.:</b>  | <u>Q2250</u> |

| Sample ID                     | Client ID    | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|--------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB168379</b> |              |             |        |            |                         |                          |                |
| PB168379BL                    | PB168379BL   | MB          | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| PB168379BS                    | PB168379BS   | LCS         | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| Q2237-02DUP                   | TW-WTS-10DUP | DUP         | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| Q2237-02MS                    | TW-WTS-10MS  | MS          | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| Q2237-02MSD                   | TW-WTS-10MSD | MSD         | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| Q2250-05                      | EB02-060525  | SAM         | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136079**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | MOHAN                                           | Review On    | 6/11/2025 2:47:48 PM |
| Supervise By     | jaswal                                          | Supervise On | 6/11/2025 2:50:29 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85916,MP85917,MP85918,MP85919,MP85920,MP85921 |              |                      |
| ICV Standard     | MP85922                                         |              |                      |
| CCV Standard     | MP85924                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85926                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85923,MP85925,MP85927,MP85932                 |              |                      |

| Sr# | SampleId   | ClientID    | QcType   | Date           | Comment | Operator | Status |
|-----|------------|-------------|----------|----------------|---------|----------|--------|
| 1   | S0         | S0          | CAL1     | 06/10/25 10:08 |         | MOHAN    | OK     |
| 2   | S0.2       | S0.2        | CAL2     | 06/10/25 10:10 |         | MOHAN    | OK     |
| 3   | S2.5       | S2.5        | CAL3     | 06/10/25 10:13 |         | MOHAN    | OK     |
| 4   | S5         | S5          | CAL4     | 06/10/25 10:15 |         | MOHAN    | OK     |
| 5   | S7.5       | S7.5        | CAL5     | 06/10/25 10:20 |         | MOHAN    | OK     |
| 6   | S10        | S10         | CAL6     | 06/10/25 10:30 |         | MOHAN    | OK     |
| 7   | ICV31      | ICV31       | ICV      | 06/10/25 10:39 |         | MOHAN    | OK     |
| 8   | ICB31      | ICB31       | ICB      | 06/10/25 10:41 |         | MOHAN    | OK     |
| 9   | CCV17      | CCV17       | CCV      | 06/10/25 10:43 |         | MOHAN    | OK     |
| 10  | CCB17      | CCB17       | CCB      | 06/10/25 10:48 |         | MOHAN    | OK     |
| 11  | CRA        | CRA         | CRDL     | 06/10/25 10:56 |         | MOHAN    | OK     |
| 12  | HighStd    | HighStd     | HIGH STD | 06/10/25 11:04 |         | MOHAN    | OK     |
| 13  | ChkStd     | ChkStd      | SAM      | 06/10/25 11:06 |         | MOHAN    | OK     |
| 14  | PB168335BL | PB168335BL  | MB       | 06/10/25 11:11 |         | MOHAN    | OK     |
| 15  | PB168335BS | PB168335BS  | LCS      | 06/10/25 11:18 |         | MOHAN    | OK     |
| 16  | Q2226-04   | TP06-MHI-WC | SAM      | 06/10/25 11:20 |         | MOHAN    | OK     |
| 17  | Q2227-04   | TP07-MHH-WC | SAM      | 06/10/25 11:23 |         | MOHAN    | OK     |
| 18  | Q2228-04   | TP08-MHI-WC | SAM      | 06/10/25 11:25 |         | MOHAN    | OK     |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136079**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | MOHAN                                           | Review On    | 6/11/2025 2:47:48 PM |
| Supervise By     | jaswal                                          | Supervise On | 6/11/2025 2:50:29 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85916,MP85917,MP85918,MP85919,MP85920,MP85921 |              |                      |
| ICV Standard     | MP85922                                         |              |                      |
| CCV Standard     | MP85924                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85926                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85923,MP85925,MP85927,MP85932                 |              |                      |

|    |             |             |     |                |  |       |    |
|----|-------------|-------------|-----|----------------|--|-------|----|
| 19 | Q2235-03    | WC-A2-08-C  | SAM | 06/10/25 11:27 |  | MOHAN | OK |
| 20 | Q2236-03    | WC-A4-05A-C | SAM | 06/10/25 11:29 |  | MOHAN | OK |
| 21 | CCV18       | CCV18       | CCV | 06/10/25 11:32 |  | MOHAN | OK |
| 22 | CCB18       | CCB18       | CCB | 06/10/25 11:37 |  | MOHAN | OK |
| 23 | Q2236-07    | WC-A2-04-C  | SAM | 06/10/25 11:39 |  | MOHAN | OK |
| 24 | Q2236-11    | WC-A2-05-C  | SAM | 06/10/25 11:41 |  | MOHAN | OK |
| 25 | Q2236-15    | WC-A2-06-C  | SAM | 06/10/25 11:43 |  | MOHAN | OK |
| 26 | Q2236-19    | WC-A2-07-C  | SAM | 06/10/25 11:46 |  | MOHAN | OK |
| 27 | Q2240-04    | TP-3        | SAM | 06/10/25 11:48 |  | MOHAN | OK |
| 28 | Q2240-08    | TP-2        | SAM | 06/10/25 11:50 |  | MOHAN | OK |
| 29 | Q2240-12    | TP-1        | SAM | 06/10/25 11:52 |  | MOHAN | OK |
| 30 | Q2241-04    | TP-N        | SAM | 06/10/25 11:55 |  | MOHAN | OK |
| 31 | Q2241-08    | TP-S        | SAM | 06/10/25 11:57 |  | MOHAN | OK |
| 32 | Q2242-04    | TP09-MHJ    | SAM | 06/10/25 11:59 |  | MOHAN | OK |
| 33 | CCV19       | CCV19       | CCV | 06/10/25 12:12 |  | MOHAN | OK |
| 34 | CCB19       | CCB19       | CCB | 06/10/25 12:14 |  | MOHAN | OK |
| 35 | Q2242-04DUP | TP09-MHJDUP | DUP | 06/10/25 12:17 |  | MOHAN | OK |
| 36 | Q2242-04MS  | TP09-MHJMS  | MS  | 06/10/25 12:30 |  | MOHAN | OK |
| 37 | Q2242-04MSD | TP09-MHJMSD | MSD | 06/10/25 12:32 |  | MOHAN | OK |
| 38 | PB168364BL  | PB168364BL  | MB  | 06/10/25 12:38 |  | MOHAN | OK |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136079**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | MOHAN                                           | Review On    | 6/11/2025 2:47:48 PM |
| Supervise By     | jaswal                                          | Supervise On | 6/11/2025 2:50:29 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85916,MP85917,MP85918,MP85919,MP85920,MP85921 |              |                      |
| ICV Standard     | MP85922                                         |              |                      |
| CCV Standard     | MP85924                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85926                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85923,MP85925,MP85927,MP85932                 |              |                      |

|    |             |              |     |                |  |       |    |
|----|-------------|--------------|-----|----------------|--|-------|----|
| 39 | PB168364BS  | PB168364BS   | LCS | 06/10/25 12:40 |  | MOHAN | OK |
| 40 | Q2244-04    | TP03-MHC     | SAM | 06/10/25 12:43 |  | MOHAN | OK |
| 41 | Q2260-04    | TP10-MHG-WC  | SAM | 06/10/25 12:45 |  | MOHAN | OK |
| 42 | Q2262-02    | ARS20-0032   | SAM | 06/10/25 12:47 |  | MOHAN | OK |
| 43 | Q2262-04    | ARS20-0001   | SAM | 06/10/25 12:49 |  | MOHAN | OK |
| 44 | Q2265-04    | TP11-MHL-WC  | SAM | 06/10/25 12:52 |  | MOHAN | OK |
| 45 | CCV20       | CCV20        | CCV | 06/10/25 12:57 |  | MOHAN | OK |
| 46 | CCB20       | CCB20        | CCB | 06/10/25 12:59 |  | MOHAN | OK |
| 47 | Q2266-04    | WC-3         | SAM | 06/10/25 13:01 |  | MOHAN | OK |
| 48 | Q2266-08    | WC-5         | SAM | 06/10/25 13:04 |  | MOHAN | OK |
| 49 | Q2266-08DUP | WC-5DUP      | DUP | 06/10/25 13:06 |  | MOHAN | OK |
| 50 | Q2266-08MS  | WC-5MS       | MS  | 06/10/25 13:08 |  | MOHAN | OK |
| 51 | Q2266-08MSD | WC-5MSD      | MSD | 06/10/25 13:10 |  | MOHAN | OK |
| 52 | PB168379BL  | PB168379BL   | MB  | 06/10/25 13:13 |  | MOHAN | OK |
| 53 | PB168379BS  | PB168379BS   | LCS | 06/10/25 13:18 |  | MOHAN | OK |
| 54 | Q2237-02    | TW-WTS-10    | SAM | 06/10/25 13:20 |  | MOHAN | OK |
| 55 | Q2237-02DUP | TW-WTS-10DUP | DUP | 06/10/25 13:23 |  | MOHAN | OK |
| 56 | Q2237-02MS  | TW-WTS-10MS  | MS  | 06/10/25 13:25 |  | MOHAN | OK |
| 57 | CCV21       | CCV21        | CCV | 06/10/25 13:30 |  | MOHAN | OK |
| 58 | CCB21       | CCB21        | CCB | 06/10/25 13:32 |  | MOHAN | OK |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136079**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | MOHAN                                           | Review On    | 6/11/2025 2:47:48 PM |
| Supervise By     | jaswal                                          | Supervise On | 6/11/2025 2:50:29 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85916,MP85917,MP85918,MP85919,MP85920,MP85921 |              |                      |
| ICV Standard     | MP85922                                         |              |                      |
| CCV Standard     | MP85924                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85926                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85923,MP85925,MP85927,MP85932                 |              |                      |

|    |             |              |     |                |  |       |    |
|----|-------------|--------------|-----|----------------|--|-------|----|
| 59 | Q2237-02MSD | TW-WTS-10MSD | MSD | 06/10/25 13:35 |  | MOHAN | OK |
| 60 | Q2250-05    | EB02-060525  | SAM | 06/10/25 13:37 |  | MOHAN | OK |
| 61 | PB168311TB  | PB168311TB   | MB  | 06/10/25 13:39 |  | MOHAN | OK |
| 62 | PB168333TB  | PB168333TB   | MB  | 06/10/25 13:41 |  | MOHAN | OK |
| 63 | Q2242-04L   | TP09-MHJL    | SD  | 06/10/25 13:44 |  | MOHAN | OK |
| 64 | Q2242-04A   | TP09-MHJA    | PS  | 06/10/25 13:46 |  | MOHAN | OK |
| 65 | Q2266-08L   | WC-5L        | SD  | 06/10/25 13:48 |  | MOHAN | OK |
| 66 | Q2266-08A   | WC-5A        | PS  | 06/10/25 13:58 |  | MOHAN | OK |
| 67 | Q2237-02L   | TW-WTS-10L   | SD  | 06/10/25 14:00 |  | MOHAN | OK |
| 68 | Q2237-02A   | TW-WTS-10A   | PS  | 06/10/25 14:05 |  | MOHAN | OK |
| 69 | CCV22       | CCV22        | CCV | 06/10/25 14:28 |  | MOHAN | OK |
| 70 | CCB22       | CCB22        | CCB | 06/10/25 14:30 |  | MOHAN | OK |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136121**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 6/12/2025 11:36:04 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 6/12/2025 5:42:09 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP85829,MP85838,MP85837,MP85835,MP85834,MP85833,MP85832,MP85831,MP85830 |              |                       |
| ICV Standard     | MP85839                                                                 |              |                       |
| CCV Standard     | MP85840                                                                 |              |                       |
| ICSA Standard    | MP85841,MP85842                                                         |              |                       |
| CRI Standard     | MP85837                                                                 |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP85844,MP85845                                                         |              |                       |

| Sr# | SampleId   | ClientID | QcType | Date           | Comment                          | Operator | Status   |
|-----|------------|----------|--------|----------------|----------------------------------|----------|----------|
| 1   | TUNE       | TUNE     | TUNE   | 06/11/25 17:38 |                                  | Jaswal   | OK       |
| 2   | S0         | S0       | CAL1   | 06/11/25 18:00 |                                  | Jaswal   | OK       |
| 3   | S2         | S2       | CAL3   | 06/11/25 18:07 |                                  | Jaswal   | OK       |
| 4   | S3         | S3       | CAL4   | 06/11/25 18:14 |                                  | Jaswal   | OK       |
| 5   | S4         | S4       | CAL5   | 06/11/25 18:18 |                                  | Jaswal   | OK       |
| 6   | S5         | S5       | CAL6   | 06/11/25 18:21 |                                  | Jaswal   | OK       |
| 7   | S6         | S6       | CAL7   | 06/11/25 18:24 |                                  | Jaswal   | OK       |
| 8   | S7         | S7       | CAL8   | 06/11/25 18:27 |                                  | Jaswal   | OK       |
| 9   | S8         | S8       | CAL9   | 06/11/25 18:30 |                                  | Jaswal   | OK       |
| 10  | ICV01      | ICV01    | ICV    | 06/11/25 18:48 |                                  | Jaswal   | OK       |
| 11  | LLICV01    | LLICV01  | LLICV  | 06/11/25 19:00 |                                  | Jaswal   | OK       |
| 12  | ICB01      | ICB01    | ICB    | 06/11/25 19:07 |                                  | Jaswal   | OK       |
| 13  | ICSA01     | ICSA01   | ICSA   | 06/11/25 19:10 |                                  | Jaswal   | OK       |
| 14  | ICSAB01    | ICSAB01  | ICSAB  | 06/11/25 19:13 |                                  | Jaswal   | OK       |
| 15  | CCV01      | CCV01    | CCV    | 06/11/25 19:29 |                                  | Jaswal   | OK       |
| 16  | CCB01      | CCB01    | CCB    | 06/11/25 19:35 |                                  | Jaswal   | OK       |
| 17  | CRI        | CRI      | CRDL   | 06/11/25 19:39 |                                  | Jaswal   | OK       |
| 18  | Q2218-03DL | 3309DL   | SAM    | 06/11/25 19:42 | K High , INT_STD 45Sc(1)<br>Fail | Jaswal   | Dilution |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136121**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 6/12/2025 11:36:04 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 6/12/2025 5:42:09 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP85829,MP85838,MP85837,MP85835,MP85834,MP85833,MP85832,MP85831,MP85830 |              |                       |
| ICV Standard     | MP85839                                                                 |              |                       |
| CCV Standard     | MP85840                                                                 |              |                       |
| ICSA Standard    | MP85841,MP85842                                                         |              |                       |
| CRI Standard     | MP85837                                                                 |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP85844,MP85845                                                         |              |                       |

|    |             |                    |     |                |                                    |        |          |
|----|-------------|--------------------|-----|----------------|------------------------------------|--------|----------|
| 19 | Q2218-03DL2 | 3309DL2            | SAM | 06/11/25 19:48 | 50X For K, 50X for INT_STD 45Sc(1) | Jaswal | Confirms |
| 20 | CCV02       | CCV02              | CCV | 06/11/25 19:52 |                                    | Jaswal | OK       |
| 21 | CCB02       | CCB02              | CCB | 06/11/25 19:58 |                                    | Jaswal | OK       |
| 22 | PB168360BL  | PB168360BL         | MB  | 06/11/25 20:02 |                                    | Jaswal | OK       |
| 23 | PB168360BS  | PB168360BS         | LCS | 06/11/25 20:05 |                                    | Jaswal | OK       |
| 24 | Q2234-01    | MW-17B-55-060425   | SAM | 06/11/25 20:09 |                                    | Jaswal | OK       |
| 25 | Q2234-01DUP | MW-17B-55-060425D  | DUP | 06/11/25 20:12 |                                    | Jaswal | OK       |
| 26 | Q2234-01L   | MW-17B-55-060425L  | SD  | 06/11/25 20:16 |                                    | Jaswal | OK       |
| 27 | Q2234-02    | MW-17B-55-060425M  | MS  | 06/11/25 20:19 |                                    | Jaswal | OK       |
| 28 | Q2234-03    | MW-17B-55-060425M  | MSD | 06/11/25 20:22 |                                    | Jaswal | OK       |
| 29 | Q2234-01A   | MW-17B-55-060425A  | PS  | 06/11/25 20:25 |                                    | Jaswal | OK       |
| 30 | Q2234-05    | MW-18B-56-060425   | SAM | 06/11/25 20:28 |                                    | Jaswal | OK       |
| 31 | Q2234-06    | MW-18B-56-060425-F | SAM | 06/11/25 20:31 |                                    | Jaswal | OK       |
| 32 | CCV03       | CCV03              | CCV | 06/11/25 20:35 |                                    | Jaswal | OK       |
| 33 | CCB03       | CCB03              | CCB | 06/11/25 20:41 |                                    | Jaswal | OK       |
| 34 | Q2234-07    | MW-19B-72-060425   | SAM | 06/11/25 20:44 |                                    | Jaswal | OK       |
| 35 | Q2234-08    | MW-17B-55-060425   | SAM | 06/11/25 20:47 |                                    | Jaswal | OK       |
| 36 | Q2234-08DUP | MW-17B-55-060425D  | DUP | 06/11/25 20:51 |                                    | Jaswal | OK       |
| 37 | Q2234-08L   | MW-17B-55-060425L  | SD  | 06/11/25 20:54 |                                    | Jaswal | OK       |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136121**

|              |        |              |                       |
|--------------|--------|--------------|-----------------------|
| Review By    | Janvi  | Review On    | 6/12/2025 11:36:04 AM |
| Supervise By | jaswal | Supervise On | 6/12/2025 5:42:09 PM  |

| STD. NAME     | STD REF.#                                                               |
|---------------|-------------------------------------------------------------------------|
| ICAL Standard | MP85829,MP85838,MP85837,MP85835,MP85834,MP85833,MP85832,MP85831,MP85830 |
| ICV Standard  | MP85839                                                                 |
| CCV Standard  | MP85840                                                                 |
| ICSA Standard | MP85841,MP85842                                                         |
| CRI Standard  | MP85837                                                                 |
| LCS Standard  |                                                                         |
| Chk Standard  | MP85844,MP85845                                                         |

|    |           |                    |     |                |  |        |    |
|----|-----------|--------------------|-----|----------------|--|--------|----|
| 38 | Q2234-09  | MW-17B-55-060425M  | MS  | 06/11/25 20:57 |  | Jaswal | OK |
| 39 | Q2234-10  | MW-17B-55-060425M  | MSD | 06/11/25 21:00 |  | Jaswal | OK |
| 40 | Q2234-08A | MW-17B-55-060425A  | PS  | 06/11/25 21:03 |  | Jaswal | OK |
| 41 | Q2234-11  | MW-18B-56-060425   | SAM | 06/11/25 21:06 |  | Jaswal | OK |
| 42 | Q2234-12  | MW-18B-56-060425-F | SAM | 06/11/25 21:10 |  | Jaswal | OK |
| 43 | Q2234-13  | MW-19B-72-060425   | SAM | 06/11/25 21:13 |  | Jaswal | OK |
| 44 | CCV04     | CCV04              | CCV | 06/11/25 21:16 |  | Jaswal | OK |
| 45 | CCB04     | CCB04              | CCB | 06/11/25 21:23 |  | Jaswal | OK |
| 46 | Q2250-05  | EB02-060525        | SAM | 06/11/25 21:27 |  | Jaswal | OK |
| 47 | Q2250-07  | EB02-060525        | SAM | 06/11/25 21:30 |  | Jaswal | OK |
| 48 | CCV05     | CCV05              | CCV | 06/11/25 21:34 |  | Jaswal | OK |
| 49 | CCB05     | CCB05              | CCB | 06/11/25 21:45 |  | Jaswal | OK |

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID : ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID : 1. HOT BLOCK #1 2. N/A

Start Digest Date: 06/09/2025 Time : 12:20 Temp : 96 °C

End Digest Date: 06/09/2025 Time : 14:14 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: S/29

Supervisor Signature: JEP

Temp : 1. 96°C 2. N/A

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| Spike Sol 1   | 0.50     | MP85846             |
| Spike Sol 2   | 1.00     | MP85847             |
| Spike Sol 3   | 1.00     | MP85848             |
| Spike Sol 4   | 1.00     | MP85849             |
| N/A           | N/A      | N/A                 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---------------|----------------|------------|
| Conc. HNO3    | 3.00           | M6158      |
| 1:1 HCL       | 5.00           | MP85156    |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |

## Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 06/09/25 15:15 | S/29. met. dig                          | JEP Met Lab          |
|                | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID    | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After   | Clarity Before | Clarity After | Comment                   | Prep Pos |
|---------------|---------------------|----|------------------|----------------|--------------|---------------|----------------|---------------|---------------------------|----------|
| PB168360BL    | PBW360              | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 16       |
| PB168360BS    | LCS360              | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | MP85846,MP85847,MP85848,N | 17       |
| Q2218-03      | 3309                | <2 | 50               | 50             | Pink         | ligh<br>Brown | Clear          | Clear         | N/A                       | 18       |
| Q2234-01DUP   | MW-17B-55-060425DUP | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 20       |
| Q2234-01      | MW-17B-55-060425    | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 19       |
| Q2234-02      | Q2234-01MS          | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | MP85846,MP85847,MP85848,N | 21       |
| Q2234-03      | Q2234-01MSD         | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | MP85846,MP85847,MP85848,N | 22       |
| Q2234-05      | MW-18B-56-060425    | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 23       |
| Q2234-06      | MW-18B-56-060425-FD | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 24       |
| Q2234-07      | MW-19B-72-060425    | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 25       |
| Q2234-08      | MW-17B-55-060425    | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 26       |
| Q2234-09      | Q2234-08MS          | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 27       |
| Q2234-10      | Q2234-08MSD         | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 28       |
| Q2234-11      | MW-18B-56-060425    | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 29       |
| Q2234-12      | MW-18B-56-060425-FD | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 30       |
| Q2234-13      | MW-19B-72-060425    | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 31       |
| Q2250-05      | EB02-060525         | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 32       |
| Q2250-07      | EB02-060525         | <2 | 50               | 50             | Colorless    | Colorless     | Clear          | Clear         | N/A                       | 33       |

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 06/09/2025 Time : 15:15 Temp : 94 °C

End Digest Date: 06/09/2025 Time : 17:15 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP85922             |
| CCV               | 30mL     | MP85924             |
| CRA               | 30mL     | MP85926             |
| Blank Spike       | 0.48mL   | MP85915             |
| Matrix Spike      | 0.48mL   | MP85915             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| HNO3/H2SO4(1:2)         | 2.25mL         | MP85892    |
| KMnO4 (5%)              | 4.5mL          | MP85893    |
| K2S2O8 (5%)             | 2.4mL          | MP85894    |
| Hydroxylamine HCL (12%) | 1.8mL          | MP85895    |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---------------|------------------|---------------|---------|
| 0.0 ppb       | S0               | 30mL          | MP85916 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP85917 |
| 2.5 ppb       | S2.5             | 30mL          | MP85918 |
| 5.0 ppb       | S5.0             | 30mL          | MP85919 |
| 7.5 ppb       | S7.5             | 30mL          | MP85920 |
| 10.0 ppb      | S10.0            | 30mL          | MP85921 |
| ICV           | ICV              | 30mL          | MP85922 |
| ICB           | ICB              | 30mL          | MP85923 |
| CCV           | CCV              | 30mL          | MP85924 |
| CCB           | CCB              | 30mL          | MP85925 |
| CRI           | CRI              | 30mL          | MP85909 |
| CHK STD       | CHK STD          | 30mL          | MP85927 |

## Extraction Conformance/Non-Conformance Comments:

N/A

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 6/9/25 @ 17:40 | MB - Dig. Lab                           | MB - metal Lab       |
|                | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|------------------|------------------|----------------|----|---------|----------|
| PB168379BL    | PBW379           | 30               | 30             | <2 | N/A     | 3-35     |
| PB168379BS    | LCS379           | 30               | 30             | <2 | MP85915 | 36       |
| Q2237-02DUP   | TW-WTS-10DUP     | 30               | 30             | <2 | N/A     | 38       |
| Q2237-02MS    | TW-WTS-10MS      | 30               | 30             | <2 | MP85915 | 39       |
| Q2237-02MSD   | TW-WTS-10MSD     | 30               | 30             | <2 | MP85915 | 40       |
| Q2237-02      | TW-WTS-10        | 30               | 30             | <2 | N/A     | 37       |
| Q2250-05      | EB02-060525      | 30               | 30             | <2 | N/A     | 41       |