



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

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

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

**SDG No.:** P3426

**Contract:** JACO05

**Lab Code:** CHEM

**Case No.:** P3426

**SAS No.:** P3426

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| ICB72     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 08/13/2024       | 08:55            | LB131960      |

**Metals**

**- 3a -**

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**SDG No.:** P3426

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| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB35     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 08/13/2024       | 09:03            | LB131960      |
| CCB36     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 08/13/2024       | 09:35            | LB131960      |
| CCB37     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 08/13/2024       | 10:05            | LB131960      |
| CCB38     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 08/13/2024       | 10:35            | LB131960      |
| CCB39     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 08/13/2024       | 11:04            | LB131960      |
| CCB40     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 08/13/2024       | 11:26            | LB131960      |

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- 3a -

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**SDG No.:** P3426

**Contract:** JACO05

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| 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  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Antimony  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 17:05            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 17:05            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 17:05            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 17:05            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 17:05            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 17:05            | LB132155      |

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|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB01     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Antimony  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 17:23            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 17:23            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 17:23            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 17:23            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 17:23            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 17:23            | LB132155      |
| CCB02     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Antimony  | 0.14           | +/-2.00             | J            | 2.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 18:09            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 18:09            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 18:09            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 18:09            | LB132155      |

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|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB02     | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 18:09            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 18:09            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 18:09            | LB132155      |
| CCB03     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Antimony  | 0.20           | +/-2.00             | J            | 2.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 18:49            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 18:49            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 18:49            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 18:49            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 18:49            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 18:49            | LB132155      |
| CCB04     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Antimony  | 0.15           | +/-2.00             | J            | 2.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 19:33            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |

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**SDG No.:** P3426

**Contract:** JACO05

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|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB04     | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 19:33            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 19:33            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 19:33            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 19:33            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 19:33            | LB132155      |
| CCB05     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Antimony  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 20:29            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 20:29            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 20:29            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 20:29            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 20:29            | LB132155      |
| CCB06     | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 20:29            | LB132155      |
|           | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Antimony  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 21:14            | LB132155      |

**Metals**

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|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB06     | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 21:14            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 21:14            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 21:14            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 21:14            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 21:14            | LB132155      |
| CCB07     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Antimony  | 0.13           | +/-2.00             | J            | 2.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 21:55            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 21:55            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 21:55            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 21:55            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 21:55            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 21:55            | LB132155      |
| CCB08     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Antimony  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 22:50            | LB132155      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc.

SDG No.: P3426

Contract: JACO05

Lab Code: CHEM

Case No.: P3426

SAS No.: P3426

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB08     | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 22:50            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 22:50            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 22:50            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 22:50            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 22:50            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 22:50            | LB132155      |
| CCB09     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Antimony  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 23:43            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 23:43            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 23:43            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/25/2024       | 23:43            | LB132155      |



# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

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

**SDG No.:** P3426

**Contract:** JACO05

**Lab Code:** CHEM

**Case No.:** P3426

**SAS No.:** P3426

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB09     | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 23:43            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/25/2024       | 23:43            | LB132155      |
| CCB10     | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Antimony  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/26/2024       | 00:52            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/26/2024       | 00:52            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/26/2024       | 00:52            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/26/2024       | 00:52            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/26/2024       | 00:52            | LB132155      |
|           | Aluminum  | 20.0           | +/-20.0             | U            | 20.0 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Antimony  | 0.12           | +/-2.00             | J            | 2.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Arsenic   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Barium    | 10.0           | +/-10.0             | U            | 10.0 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Beryllium | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Cadmium   | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Calcium   | 500            | +/-500              | U            | 500  | P | 08/26/2024       | 01:30            | LB132155      |
|           | Chromium  | 2.00           | +/-2.00             | U            | 2.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Cobalt    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Copper    | 2.00           | +/-2.00             | U            | 2.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Iron      | 50.0           | +/-50.0             | U            | 50.0 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Lead      | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Magnesium | 500            | +/-500              | U            | 500  | P | 08/26/2024       | 01:30            | LB132155      |
|           | Manganese | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

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

**SDG No.:** P3426

**Contract:** JACO05

**Lab Code:** CHEM

**Case No.:** P3426

**SAS No.:** P3426

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB11     | Nickel    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Potassium | 500            | +/-500              | U            | 500  | P | 08/26/2024       | 01:30            | LB132155      |
|           | Selenium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Silver    | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Sodium    | 500            | +/-500              | U            | 500  | P | 08/26/2024       | 01:30            | LB132155      |
|           | Thallium  | 1.00           | +/-1.00             | U            | 1.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Vanadium  | 5.00           | +/-5.00             | U            | 5.00 | P | 08/26/2024       | 01:30            | LB132155      |
|           | Zinc      | 5.00           | +/-5.00             | U            | 5.00 | P | 08/26/2024       | 01:30            | LB132155      |