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Fax : 908 789 8922

# Metals

- 2b -

## CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc.

SDG No.: P3467

Contract: JACO05

Lab Code: CHEM

Case No.: P3467

SAS No.: P3467

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 |
|-----------|------------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CRI01     | Aluminum   | 106            | 100                | 106           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Antimony   | 50.6           | 50.0               | 101           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Arsenic    | 19.7           | 20.0               | 99            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Barium     | 99.7           | 100                | 100           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Beryllium  | 6.22           | 6.0                | 104           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Boron      | 99.0           | 100                | 99            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Cadmium    | 6.22           | 6.0                | 104           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Calcium    | 2030           | 2000               | 102           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Chromium   | 9.85           | 10.0               | 98            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Cobalt     | 29.9           | 30.0               | 100           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Copper     | 22.3           | 20.0               | 111           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Iron       | 97.0           | 100                | 97            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Lead       | 14.5           | 12.0               | 121           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Magnesium  | 2110           | 2000               | 105           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Manganese  | 21.1           | 20.0               | 106           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Molybdenum | 204            | 200                | 102           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Nickel     | 40.1           | 40.0               | 100           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Potassium  | 1760           | 2000               | 88            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Selenium   | 17.8           | 20.0               | 89            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Silver     | 8.55           | 10.0               | 86            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Sodium     | 1750           | 2000               | 88            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Strontium  | 20.5           | 20.0               | 103           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Thallium   | 39.2           | 40.0               | 98            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Tin        | 36.2           | 40.0               | 90            | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Titanium   | 40.3           | 40.0               | 101           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Vanadium   | 39.9           | 40.0               | 100           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
|           | Zinc       | 42.1           | 40.0               | 105           | 40 - 160                  | P  | 08/07/2024       | 16:07            | LB131900      |
| CRA       | Mercury    | 0.24           | 0.2                | 118           | 40 - 160                  | CV | 08/13/2024       | 09:10            | LB131960      |
| CRI01     | Aluminum   | 104            | 100                | 104           | 40 - 160                  | P  | 08/21/2024       | 13:33            | LB132113      |
|           | Antimony   | 46.9           | 50.0               | 94            | 40 - 160                  | P  | 08/21/2024       | 13:33            | LB132113      |
|           | Arsenic    | 19.4           | 20.0               | 97            | 40 - 160                  | P  | 08/21/2024       | 13:33            | LB132113      |
|           | Barium     | 90.9           | 100                | 91            | 40 - 160                  | P  | 08/21/2024       | 13:33            | LB132113      |
|           | Beryllium  | 5.56           | 6.0                | 93            | 40 - 160                  | P  | 08/21/2024       | 13:33            | LB132113      |
|           | Boron      | 84.1           | 100                | 84            | 40 - 160                  | P  | 08/21/2024       | 13:33            | LB132113      |
|           | Cadmium    | 5.65           | 6.0                | 94            | 40 - 160                  | P  | 08/21/2024       | 13:33            | LB132113      |

**Metals**

**- 2b -**

**CRDL STANDARD FOR AA & ICP**

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

**SDG No.:** P3467

**Contract:** JACO05

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**Case No.:** P3467

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**Initial Calibration Source:** \_\_\_\_\_

**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID    | Analyte    | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|--------------|------------|----------------|--------------------|---------------|---------------------------|---|------------------|------------------|---------------|
| <b>CRI01</b> | Calcium    | 1840           | 2000               | 92            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Chromium   | 9.22           | 10.0               | 92            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Cobalt     | 28.2           | 30.0               | 94            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Copper     | 20.9           | 20.0               | 104           | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Iron       | 99.0           | 100                | 99            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Lead       | 13.4           | 12.0               | 111           | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Magnesium  | 1940           | 2000               | 97            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Manganese  | 18.2           | 20.0               | 91            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Molybdenum | 187            | 200                | 93            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Nickel     | 37.2           | 40.0               | 93            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Potassium  | 1720           | 2000               | 86            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Selenium   | 18.6           | 20.0               | 93            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Silver     | 11.8           | 10.0               | 118           | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Sodium     | 1620           | 2000               | 81            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Strontium  | 17.9           | 20.0               | 89            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Thallium   | 39.4           | 40.0               | 99            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Tin        | 35.3           | 40.0               | 88            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Titanium   | 35.4           | 40.0               | 88            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Vanadium   | 35.2           | 40.0               | 88            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |
|              | Zinc       | 39.0           | 40.0               | 97            | 40 - 160                  | P | 08/21/2024       | 13:33            | LB132113      |