

**Metals**  
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**INTERFERENCE CHECK SAMPLE**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q1731  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q1731 **SAS No.:** Q1731  
**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 |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Aluminum  | 97000          | 100000             | 97            | 0                      | 0                       | 04/04/2025       | 15:24            | LB135315      |
|           | Antimony  | 1.32           | 1.5                | 88            | -2.5                   | 5.5                     | 04/04/2025       | 15:24            | LB135315      |
|           | Arsenic   | 0.34           | 0.1                | 340           | -1.9                   | 2.1                     | 04/04/2025       | 15:24            | LB135315      |
|           | Barium    | 1.56           | 1.2                | 130           | -18.8                  | 21.2                    | 04/04/2025       | 15:24            | LB135315      |
|           | Beryllium | 0.30           |                    |               | -2                     | 2                       | 04/04/2025       | 15:24            | LB135315      |
|           | Cadmium   | 0.19           | 0.7                | 27            | -1.3                   | 2.7                     | 04/04/2025       | 15:24            | LB135315      |
|           | Chromium  | 21.2           | 21.0               | 101           | 17                     | 25                      | 04/04/2025       | 15:24            | LB135315      |
|           | Copper    | 9.82           | 8.0                | 123           | 4                      | 12                      | 04/04/2025       | 15:24            | LB135315      |
|           | Iron      | 106000         | 100000             | 106           | 0                      | 0                       | 04/04/2025       | 15:24            | LB135315      |
|           | Lead      | 4.72           | 4.0                | 118           | 2                      | 6                       | 04/04/2025       | 15:24            | LB135315      |
|           | Magnesium | 99300          | 100000             | 99            | 0                      | 0                       | 04/04/2025       | 15:24            | LB135315      |
|           | Manganese | 7.49           | 7.0                | 107           | 5                      | 9                       | 04/04/2025       | 15:24            | LB135315      |
|           | Potassium | 103000         | 100000             | 103           | 0                      | 0                       | 04/04/2025       | 15:24            | LB135315      |
|           | Selenium  | 0              | 0.3                |               | -9.7                   | 10                      | 04/04/2025       | 15:24            | LB135315      |
|           | Sodium    | 107000         | 100000             | 107           | 0                      | 0                       | 04/04/2025       | 15:24            | LB135315      |
| ICSAB01   | Aluminum  | 90300          | 100000             | 90            | 0                      | 0                       | 04/04/2025       | 15:27            | LB135315      |
|           | Antimony  | 20.8           | 22.0               | 94            | 18                     | 26                      | 04/04/2025       | 15:27            | LB135315      |
|           | Arsenic   | 20.4           | 19.0               | 107           | 16.2                   | 21.9                    | 04/04/2025       | 15:27            | LB135315      |
|           | Barium    | 21.1           | 22.0               | 96            | 2                      | 42                      | 04/04/2025       | 15:27            | LB135315      |
|           | Beryllium | 21.3           | 19.0               | 112           | 16.2                   | 21.9                    | 04/04/2025       | 15:27            | LB135315      |
|           | Cadmium   | 19.6           | 20.0               | 98            | 17                     | 23                      | 04/04/2025       | 15:27            | LB135315      |
|           | Chromium  | 40.5           | 40.0               | 101           | 34                     | 46                      | 04/04/2025       | 15:27            | LB135315      |
|           | Copper    | 27.9           | 25.0               | 112           | 21                     | 29                      | 04/04/2025       | 15:27            | LB135315      |
|           | Iron      | 99500          | 100000             | 100           | 0                      | 0                       | 04/04/2025       | 15:27            | LB135315      |
|           | Lead      | 23.9           | 25.0               | 96            | 21.3                   | 28.8                    | 04/04/2025       | 15:27            | LB135315      |
|           | Magnesium | 92200          | 100000             | 92            | 0                      | 0                       | 04/04/2025       | 15:27            | LB135315      |
|           | Manganese | 25.7           | 27.0               | 95            | 23                     | 31.1                    | 04/04/2025       | 15:27            | LB135315      |
|           | Potassium | 97200          | 100000             | 97            | 0                      | 0                       | 04/04/2025       | 15:27            | LB135315      |
|           | Selenium  | 19.9           | 19.0               | 105           | 9                      | 29                      | 04/04/2025       | 15:27            | LB135315      |
|           | Sodium    | 100000         | 100000             | 100           | 0                      | 0                       | 04/04/2025       | 15:27            | LB135315      |
| ICSA01    | Aluminum  | 94800          | 100000             | 95            | 0                      | 0                       | 04/07/2025       | 12:57            | LB135332      |
|           | Antimony  | 1.24           | 1.5                | 83            | -2.5                   | 5.5                     | 04/07/2025       | 12:57            | LB135332      |
|           | Arsenic   | 0.37           | 0.1                | 370           | -1.9                   | 2.1                     | 04/07/2025       | 12:57            | LB135332      |
|           | Barium    | 1.42           | 1.2                | 118           | -18.8                  | 21.2                    | 04/07/2025       | 12:57            | LB135332      |
|           | Beryllium | 0              |                    |               | -2                     | 2                       | 04/07/2025       | 12:57            | LB135332      |
|           | Cadmium   | 0.49           | 0.7                | 70            | -1.3                   | 2.7                     | 04/07/2025       | 12:57            | LB135332      |
|           | Chromium  | 19.4           | 21.0               | 92            | 17                     | 25                      | 04/07/2025       | 12:57            | LB135332      |
|           | Copper    | 6.88           | 8.0                | 86            | 4                      | 12                      | 04/07/2025       | 12:57            | LB135332      |
|           | Iron      | 102000         | 100000             | 102           | 0                      | 0                       | 04/07/2025       | 12:57            | LB135332      |
|           | Lead      | 4.37           | 4.0                | 109           | 2                      | 6                       | 04/07/2025       | 12:57            | LB135332      |
|           | Magnesium | 102000         | 100000             | 102           | 0                      | 0                       | 04/07/2025       | 12:57            | LB135332      |
|           | Manganese | 6.78           | 7.0                | 97            | 5                      | 9                       | 04/07/2025       | 12:57            | LB135332      |

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**ICS Source:** EPA **Instrument ID:** P8

| 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>  | Potassium | 102000         | 100000             | 102           | 0                      | 0                       | 04/07/2025       | 12:57            | LB135332      |
|                | Selenium  | 0.10           | 0.3                | 33            | -9.7                   | 10                      | 04/07/2025       | 12:57            | LB135332      |
|                | Sodium    | 109000         | 100000             | 109           | 0                      | 0                       | 04/07/2025       | 12:57            | LB135332      |
| <b>ICSAB01</b> | Aluminum  | 96200          | 100000             | 96            | 0                      | 0                       | 04/07/2025       | 13:04            | LB135332      |
|                | Antimony  | 21.3           | 22.0               | 97            | 18                     | 26                      | 04/07/2025       | 13:04            | LB135332      |
|                | Arsenic   | 21.0           | 19.0               | 110           | 16.2                   | 21.9                    | 04/07/2025       | 13:04            | LB135332      |
|                | Barium    | 21.5           | 22.0               | 98            | 2                      | 42                      | 04/07/2025       | 13:04            | LB135332      |
|                | Beryllium | 21.3           | 19.0               | 112           | 16.2                   | 21.9                    | 04/07/2025       | 13:04            | LB135332      |
|                | Cadmium   | 20.8           | 20.0               | 104           | 17                     | 23                      | 04/07/2025       | 13:04            | LB135332      |
|                | Chromium  | 39.6           | 40.0               | 99            | 34                     | 46                      | 04/07/2025       | 13:04            | LB135332      |
|                | Copper    | 24.7           | 25.0               | 99            | 21                     | 29                      | 04/07/2025       | 13:04            | LB135332      |
|                | Iron      | 101000         | 100000             | 101           | 0                      | 0                       | 04/07/2025       | 13:04            | LB135332      |
|                | Lead      | 23.7           | 25.0               | 95            | 21.3                   | 28.8                    | 04/07/2025       | 13:04            | LB135332      |
|                | Magnesium | 103000         | 100000             | 103           | 0                      | 0                       | 04/07/2025       | 13:04            | LB135332      |
|                | Manganese | 24.9           | 27.0               | 92            | 23                     | 31.1                    | 04/07/2025       | 13:04            | LB135332      |
|                | Potassium | 103000         | 100000             | 103           | 0                      | 0                       | 04/07/2025       | 13:04            | LB135332      |
|                | Selenium  | 21.2           | 19.0               | 112           | 9                      | 29                      | 04/07/2025       | 13:04            | LB135332      |
|                | Sodium    | 110000         | 100000             | 110           | 0                      | 0                       | 04/07/2025       | 13:04            | LB135332      |