

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

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q1812  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812  
**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>  | Aluminum  | 99000          | 100000             | 99            | 0                      | 0                       | 04/21/2025       | 16:05            | LB135513      |
|                | Antimony  | 1.12           | 1.5                | 75            | -2.5                   | 5.5                     | 04/21/2025       | 16:05            | LB135513      |
|                | Arsenic   | 0.27           | 0.1                | 270           | -1.9                   | 2.1                     | 04/21/2025       | 16:05            | LB135513      |
|                | Barium    | 1.42           | 1.2                | 118           | -18.8                  | 21.2                    | 04/21/2025       | 16:05            | LB135513      |
|                | Beryllium | 0.31           |                    |               | -2                     | 2                       | 04/21/2025       | 16:05            | LB135513      |
|                | Cadmium   | 0.53           | 0.7                | 76            | -1.3                   | 2.7                     | 04/21/2025       | 16:05            | LB135513      |
|                | Calcium   | 106000         | 100000             | 106           | 0                      | 0                       | 04/21/2025       | 16:05            | LB135513      |
|                | Chromium  | 20.3           | 21.0               | 97            | 17                     | 25                      | 04/21/2025       | 16:05            | LB135513      |
|                | Cobalt    | 1.17           | 1.0                | 117           | -1                     | 3                       | 04/21/2025       | 16:05            | LB135513      |
|                | Copper    | 7.83           | 8.0                | 98            | 4                      | 12                      | 04/21/2025       | 16:05            | LB135513      |
|                | Iron      | 112000         | 100000             | 112           | 0                      | 0                       | 04/21/2025       | 16:05            | LB135513      |
|                | Lead      | 4.41           | 4.0                | 110           | 2                      | 6                       | 04/21/2025       | 16:05            | LB135513      |
|                | Magnesium | 103000         | 100000             | 103           | 0                      | 0                       | 04/21/2025       | 16:05            | LB135513      |
|                | Manganese | 6.79           | 7.0                | 97            | 5                      | 9                       | 04/21/2025       | 16:05            | LB135513      |
|                | Nickel    | 5.39           | 6.0                | 90            | 4                      | 8                       | 04/21/2025       | 16:05            | LB135513      |
|                | Potassium | 105000         | 100000             | 105           | 0                      | 0                       | 04/21/2025       | 16:05            | LB135513      |
|                | Selenium  | 0.14           | 0.3                | 47            | -9.7                   | 10                      | 04/21/2025       | 16:05            | LB135513      |
|                | Silver    | 0.060          |                    |               | -2                     | 2                       | 04/21/2025       | 16:05            | LB135513      |
|                | Sodium    | 111000         | 100000             | 111           | 0                      | 0                       | 04/21/2025       | 16:05            | LB135513      |
|                | Thallium  | 0.14           |                    |               | -2                     | 2                       | 04/21/2025       | 16:05            | LB135513      |
|                | Vanadium  | 0.14           | 0.5                | 28            | -9.5                   | 10.5                    | 04/21/2025       | 16:05            | LB135513      |
|                | Zinc      | 13.9           | 11.0               | 126           | 1                      | 21                      | 04/21/2025       | 16:05            | LB135513      |
| <b>ICSAB01</b> | Aluminum  | 94500          | 100000             | 94            | 0                      | 0                       | 04/21/2025       | 16:12            | LB135513      |
|                | Antimony  | 20.1           | 22.0               | 91            | 18                     | 26                      | 04/21/2025       | 16:12            | LB135513      |
|                | Arsenic   | 20.3           | 19.0               | 107           | 16.2                   | 21.9                    | 04/21/2025       | 16:12            | LB135513      |
|                | Barium    | 20.8           | 22.0               | 94            | 2                      | 42                      | 04/21/2025       | 16:12            | LB135513      |
|                | Beryllium | 21.2           | 19.0               | 112           | 16.2                   | 21.9                    | 04/21/2025       | 16:12            | LB135513      |
|                | Cadmium   | 19.3           | 20.0               | 96            | 17                     | 23                      | 04/21/2025       | 16:12            | LB135513      |
|                | Calcium   | 101000         | 100000             | 101           | 0                      | 0                       | 04/21/2025       | 16:12            | LB135513      |
|                | Chromium  | 39.0           | 40.0               | 98            | 34                     | 46                      | 04/21/2025       | 16:12            | LB135513      |
|                | Cobalt    | 20.9           | 20.0               | 104           | 17                     | 23                      | 04/21/2025       | 16:12            | LB135513      |
|                | Copper    | 27.6           | 25.0               | 110           | 21                     | 29                      | 04/21/2025       | 16:12            | LB135513      |
|                | Iron      | 106000         | 100000             | 106           | 0                      | 0                       | 04/21/2025       | 16:12            | LB135513      |
|                | Lead      | 23.1           | 25.0               | 92            | 21.3                   | 28.8                    | 04/21/2025       | 16:12            | LB135513      |
|                | Magnesium | 99400          | 100000             | 99            | 0                      | 0                       | 04/21/2025       | 16:12            | LB135513      |
|                | Manganese | 26.5           | 27.0               | 98            | 23                     | 31.1                    | 04/21/2025       | 16:12            | LB135513      |
|                | Nickel    | 24.3           | 24.0               | 101           | 20.4                   | 27.6                    | 04/21/2025       | 16:12            | LB135513      |
|                | Potassium | 101000         | 100000             | 101           | 0                      | 0                       | 04/21/2025       | 16:12            | LB135513      |
|                | Selenium  | 20.8           | 19.0               | 110           | 9                      | 29                      | 04/21/2025       | 16:12            | LB135513      |
|                | Silver    | 18.3           | 18.0               | 102           | 15.3                   | 20.7                    | 04/21/2025       | 16:12            | LB135513      |
|                | Sodium    | 107000         | 100000             | 107           | 0                      | 0                       | 04/21/2025       | 16:12            | LB135513      |
|                | Thallium  | 19.7           | 21.0               | 94            | 17.9                   | 24.2                    | 04/21/2025       | 16:12            | LB135513      |

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**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q1812  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812  
**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 |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Vanadium  | 20.1           | 19.0               | 106           | 9                      | 29                      | 04/21/2025       | 16:12            | LB135513      |
|           | Zinc      | 30.9           | 29.0               | 107           | 19                     | 39                      | 04/21/2025       | 16:12            | LB135513      |
| ICSA01    | Aluminum  | 94000          | 100000             | 94            | 0                      | 0                       | 04/29/2025       | 12:32            | LB135595      |
|           | Antimony  | 1.08           | 1.5                | 72            | -2.5                   | 5.5                     | 04/29/2025       | 12:32            | LB135595      |
|           | Arsenic   | 0.34           | 0.1                | 340           | -1.9                   | 2.1                     | 04/29/2025       | 12:32            | LB135595      |
|           | Barium    | 1.41           | 1.2                | 118           | -18.8                  | 21.2                    | 04/29/2025       | 12:32            | LB135595      |
|           | Beryllium | 0.29           |                    |               | -2                     | 2                       | 04/29/2025       | 12:32            | LB135595      |
|           | Cadmium   | 0.48           | 0.7                | 69            | -1.3                   | 2.7                     | 04/29/2025       | 12:32            | LB135595      |
|           | Calcium   | 99200          | 100000             | 99            | 0                      | 0                       | 04/29/2025       | 12:32            | LB135595      |
|           | Chromium  | 19.5           | 21.0               | 93            | 17                     | 25                      | 04/29/2025       | 12:32            | LB135595      |
|           | Cobalt    | 1.15           | 1.0                | 115           | -1                     | 3                       | 04/29/2025       | 12:32            | LB135595      |
|           | Copper    | 7.65           | 8.0                | 96            | 4                      | 12                      | 04/29/2025       | 12:32            | LB135595      |
|           | Iron      | 106000         | 100000             | 106           | 0                      | 0                       | 04/29/2025       | 12:32            | LB135595      |
|           | Lead      | 4.51           | 4.0                | 113           | 2                      | 6                       | 04/29/2025       | 12:32            | LB135595      |
|           | Magnesium | 98100          | 100000             | 98            | 0                      | 0                       | 04/29/2025       | 12:32            | LB135595      |
|           | Manganese | 7.47           | 7.0                | 107           | 5                      | 9                       | 04/29/2025       | 12:32            | LB135595      |
|           | Nickel    | 5.16           | 6.0                | 86            | 4                      | 8                       | 04/29/2025       | 12:32            | LB135595      |
|           | Potassium | 98200          | 100000             | 98            | 0                      | 0                       | 04/29/2025       | 12:32            | LB135595      |
|           | Selenium  | 0.28           | 0.3                | 93            | -9.7                   | 10                      | 04/29/2025       | 12:32            | LB135595      |
|           | Silver    | 0.040          |                    |               | -2                     | 2                       | 04/29/2025       | 12:32            | LB135595      |
|           | Sodium    | 105000         | 100000             | 105           | 0                      | 0                       | 04/29/2025       | 12:32            | LB135595      |
|           | Thallium  | 0.060          |                    |               | -2                     | 2                       | 04/29/2025       | 12:32            | LB135595      |
|           | Vanadium  | 0.14           | 0.5                | 28            | -9.5                   | 10.5                    | 04/29/2025       | 12:32            | LB135595      |
|           | Zinc      | 10.9           | 11.0               | 100           | 1                      | 21                      | 04/29/2025       | 12:32            | LB135595      |
| ICSAB01   | Aluminum  | 93000          | 100000             | 93            | 0                      | 0                       | 04/29/2025       | 12:37            | LB135595      |
|           | Antimony  | 20.7           | 22.0               | 94            | 18                     | 26                      | 04/29/2025       | 12:37            | LB135595      |
|           | Arsenic   | 21.0           | 19.0               | 110           | 16.2                   | 21.9                    | 04/29/2025       | 12:37            | LB135595      |
|           | Barium    | 21.6           | 22.0               | 98            | 2                      | 42                      | 04/29/2025       | 12:37            | LB135595      |
|           | Beryllium | 21.7           | 19.0               | 114           | 16.2                   | 21.9                    | 04/29/2025       | 12:37            | LB135595      |
|           | Cadmium   | 20.2           | 20.0               | 101           | 17                     | 23                      | 04/29/2025       | 12:37            | LB135595      |
|           | Calcium   | 97900          | 100000             | 98            | 0                      | 0                       | 04/29/2025       | 12:37            | LB135595      |
|           | Chromium  | 39.5           | 40.0               | 99            | 34                     | 46                      | 04/29/2025       | 12:37            | LB135595      |
|           | Cobalt    | 21.0           | 20.0               | 105           | 17                     | 23                      | 04/29/2025       | 12:37            | LB135595      |
|           | Copper    | 27.4           | 25.0               | 110           | 21                     | 29                      | 04/29/2025       | 12:37            | LB135595      |
|           | Iron      | 104000         | 100000             | 104           | 0                      | 0                       | 04/29/2025       | 12:37            | LB135595      |
|           | Lead      | 22.9           | 25.0               | 92            | 21.3                   | 28.8                    | 04/29/2025       | 12:37            | LB135595      |
|           | Magnesium | 97900          | 100000             | 98            | 0                      | 0                       | 04/29/2025       | 12:37            | LB135595      |
|           | Manganese | 27.1           | 27.0               | 100           | 23                     | 31.1                    | 04/29/2025       | 12:37            | LB135595      |
|           | Nickel    | 24.5           | 24.0               | 102           | 20.4                   | 27.6                    | 04/29/2025       | 12:37            | LB135595      |
|           | Potassium | 97900          | 100000             | 98            | 0                      | 0                       | 04/29/2025       | 12:37            | LB135595      |
|           | Selenium  | 21.0           | 19.0               | 110           | 9                      | 29                      | 04/29/2025       | 12:37            | LB135595      |
|           | Silver    | 19.0           | 18.0               | 106           | 15.3                   | 20.7                    | 04/29/2025       | 12:37            | LB135595      |

**Metals**

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**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q1812 **SAS No.:** Q1812  
**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 |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Sodium   | 105000         | 100000             | 105           | 0                      | 0                       | 04/29/2025       | 12:37            | LB135595      |
|           | Thallium | 19.6           | 21.0               | 93            | 17.9                   | 24.2                    | 04/29/2025       | 12:37            | LB135595      |
|           | Vanadium | 20.4           | 19.0               | 107           | 9                      | 29                      | 04/29/2025       | 12:37            | LB135595      |
|           | Zinc     | 30.0           | 29.0               | 103           | 19                     | 39                      | 04/29/2025       | 12:37            | LB135595      |