

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

**Client:** Chemtech Consulting Group **SDG No.:** P4495  
**Contract:** CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495  
**ICS Source:** EPA **Instrument ID:** P4

| 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  | 267000         | 255000             | 105           | 216000                 | 294000                  | 11/27/2024       | 13:25            | LB133669      |
|           | Antimony  | -3.00          |                    |               | -50                    | 50                      | 11/27/2024       | 13:25            | LB133669      |
|           | Arsenic   | 5.12           |                    |               | -20                    | 20                      | 11/27/2024       | 13:25            | LB133669      |
|           | Barium    | 4.09           | 6.0                | 68            | -94                    | 106                     | 11/27/2024       | 13:25            | LB133669      |
|           | Beryllium | 1.38           |                    |               | -6                     | 6                       | 11/27/2024       | 13:25            | LB133669      |
|           | Boron     | 31.1           | 1000               | 3             | -100                   | 100                     | 11/27/2024       | 13:25            | LB133669      |
|           | Cadmium   | 6.81           | 1.0                | 681           | -5                     | 7                       | 11/27/2024       | 13:25            | LB133669      |
|           | Calcium   | 249000         | 245000             | 102           | 208000                 | 282000                  | 11/27/2024       | 13:25            | LB133669      |
|           | Chromium  | 58.0           | 52.0               | 112           | 42                     | 62                      | 11/27/2024       | 13:25            | LB133669      |
|           | Cobalt    | 2.31           |                    |               | -30                    | 30                      | 11/27/2024       | 13:25            | LB133669      |
|           | Copper    | 21.8           | 2.0                | 1090          | -18                    | 22                      | 11/27/2024       | 13:25            | LB133669      |
|           | Iron      | 102000         | 101000             | 101           | 85600                  | 116500                  | 11/27/2024       | 13:25            | LB133669      |
|           | Lead      | 9.71           |                    |               | -12                    | 12                      | 11/27/2024       | 13:25            | LB133669      |
|           | Magnesium | 273000         | 255000             | 107           | 216000                 | 294000                  | 11/27/2024       | 13:25            | LB133669      |
|           | Manganese | 4.30           | 7.0                | 61            | -13                    | 27                      | 11/27/2024       | 13:25            | LB133669      |
|           | Nickel    | 2.60           | 2.0                | 130           | -38                    | 42                      | 11/27/2024       | 13:25            | LB133669      |
|           | Potassium | -57.5          |                    |               | 0                      | 0                       | 11/27/2024       | 13:25            | LB133669      |
|           | Selenium  | -19.4          |                    |               | -20                    | 20                      | 11/27/2024       | 13:25            | LB133669      |
|           | Silicon   | 17.3           |                    |               | 0                      | 0                       | 11/27/2024       | 13:25            | LB133669      |
|           | Silver    | -7.66          |                    |               | -10                    | 10                      | 11/27/2024       | 13:25            | LB133669      |
|           | Sulfur    | -8.87          |                    |               | 0                      | 0                       | 11/27/2024       | 13:25            | LB133669      |
|           | Sodium    | 25.1           |                    |               | 0                      | 0                       | 11/27/2024       | 13:25            | LB133669      |
|           | Strontium | 4.50           |                    |               | 0                      | 0                       | 11/27/2024       | 13:25            | LB133669      |
|           | Lithium   | -13.0          | 1000               | 1             | -20                    | 20                      | 11/27/2024       | 13:25            | LB133669      |
|           | Thallium  | 12.7           |                    |               | -40                    | 40                      | 11/27/2024       | 13:25            | LB133669      |
|           | Tin       | -4.01          | 1000               |               | -40                    | 40                      | 11/27/2024       | 13:25            | LB133669      |
|           | Titanium  | -0.71          |                    |               | 0                      | 0                       | 11/27/2024       | 13:25            | LB133669      |
|           | Vanadium  | 6.75           |                    |               | -40                    | 40                      | 11/27/2024       | 13:25            | LB133669      |
|           | Zinc      | 7.62           |                    |               | -40                    | 40                      | 11/27/2024       | 13:25            | LB133669      |
| ICSAB01   | Aluminum  | 270000         | 247000             | 109           | 209000                 | 285000                  | 11/27/2024       | 14:03            | LB133669      |
|           | Antimony  | 620            | 618                | 100           | 525                    | 711                     | 11/27/2024       | 14:03            | LB133669      |
|           | Arsenic   | 113            | 104                | 109           | 88.4                   | 120                     | 11/27/2024       | 14:03            | LB133669      |
|           | Barium    | 538            | 537                | 100           | 437                    | 637                     | 11/27/2024       | 14:03            | LB133669      |
|           | Beryllium | 524            | 495                | 106           | 420                    | 570                     | 11/27/2024       | 14:03            | LB133669      |
|           | Boron     | 989            | 1000               | 99            | 850                    | 1150                    | 11/27/2024       | 14:03            | LB133669      |
|           | Cadmium   | 1020           | 972                | 105           | 826                    | 1120                    | 11/27/2024       | 14:03            | LB133669      |
|           | Calcium   | 253000         | 235000             | 108           | 199000                 | 271000                  | 11/27/2024       | 14:03            | LB133669      |
|           | Chromium  | 554            | 542                | 102           | 460                    | 624                     | 11/27/2024       | 14:03            | LB133669      |
|           | Cobalt    | 509            | 476                | 107           | 404                    | 548                     | 11/27/2024       | 14:03            | LB133669      |
|           | Copper    | 501            | 511                | 98            | 434                    | 588                     | 11/27/2024       | 14:03            | LB133669      |
|           | Iron      | 99000          | 99300              | 100           | 84400                  | 114500                  | 11/27/2024       | 14:03            | LB133669      |
|           | Lead      | 56.4           | 49.0               | 115           | 37                     | 61                      | 11/27/2024       | 14:03            | LB133669      |

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**ICS Source:** EPA **Instrument ID:** P4

| 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   | Magnesium | 276000         | 248000             | 111           | 210000                 | 286000                  | 11/27/2024       | 14:03            | LB133669      |
|           | Manganese | 514            | 507                | 101           | 430                    | 584                     | 11/27/2024       | 14:03            | LB133669      |
|           | Nickel    | 1000           | 954                | 105           | 810                    | 1100                    | 11/27/2024       | 14:03            | LB133669      |
|           | Potassium | -88.0          |                    |               | 0                      | 0                       | 11/27/2024       | 14:03            | LB133669      |
|           | Selenium  | 36.1           | 46.0               | 78            | 26                     | 66                      | 11/27/2024       | 14:03            | LB133669      |
|           | Silicon   | 1120           |                    |               | 0                      | 0                       | 11/27/2024       | 14:03            | LB133669      |
|           | Silver    | 190            | 201                | 94            | 170                    | 232                     | 11/27/2024       | 14:03            | LB133669      |
|           | Sulfur    | 976            |                    |               | 0                      | 0                       | 11/27/2024       | 14:03            | LB133669      |
|           | Sodium    | -8.70          |                    |               | 0                      | 0                       | 11/27/2024       | 14:03            | LB133669      |
|           | Strontium | 1010           |                    |               | 0                      | 0                       | 11/27/2024       | 14:03            | LB133669      |
|           | Lithium   | 966            | 1000               | 97            | 850                    | 1150                    | 11/27/2024       | 14:03            | LB133669      |
|           | Thallium  | 104            | 108                | 96            | 68                     | 148                     | 11/27/2024       | 14:03            | LB133669      |
|           | Tin       | 979            | 1000               | 98            | 850                    | 1150                    | 11/27/2024       | 14:03            | LB133669      |
|           | Titanium  | 1000           |                    |               | 0                      | 0                       | 11/27/2024       | 14:03            | LB133669      |
|           | Vanadium  | 511            | 491                | 104           | 417                    | 565                     | 11/27/2024       | 14:03            | LB133669      |
|           | Zinc      | 1080           | 952                | 113           | 809                    | 1095                    | 11/27/2024       | 14:03            | LB133669      |
| ICSA01    | Aluminum  | 263000         | 255000             | 103           | 216000                 | 294000                  | 12/04/2024       | 13:57            | LB133739      |
|           | Antimony  | -1.94          |                    |               | -50                    | 50                      | 12/04/2024       | 13:57            | LB133739      |
|           | Arsenic   | 1.57           |                    |               | -20                    | 20                      | 12/04/2024       | 13:57            | LB133739      |
|           | Barium    | -0.17          | 6.0                | 3             | -94                    | 106                     | 12/04/2024       | 13:57            | LB133739      |
|           | Beryllium | 1.23           |                    |               | -6                     | 6                       | 12/04/2024       | 13:57            | LB133739      |
|           | Cadmium   | 8.30           | 1.0                | 830           | -5                     | 7                       | 12/04/2024       | 13:57            | LB133739      |
|           | Calcium   | 244000         | 245000             | 100           | 208000                 | 282000                  | 12/04/2024       | 13:57            | LB133739      |
|           | Chromium  | 56.0           | 52.0               | 108           | 42                     | 62                      | 12/04/2024       | 13:57            | LB133739      |
|           | Cobalt    | 2.84           |                    |               | -30                    | 30                      | 12/04/2024       | 13:57            | LB133739      |
|           | Copper    | -8.89          | 2.0                | 444           | -18                    | 22                      | 12/04/2024       | 13:57            | LB133739      |
|           | Iron      | 97500          | 101000             | 96            | 85600                  | 116500                  | 12/04/2024       | 13:57            | LB133739      |
|           | Lead      | 7.22           |                    |               | -12                    | 12                      | 12/04/2024       | 13:57            | LB133739      |
|           | Magnesium | 267000         | 255000             | 105           | 216000                 | 294000                  | 12/04/2024       | 13:57            | LB133739      |
|           | Manganese | 5.09           | 7.0                | 73            | -13                    | 27                      | 12/04/2024       | 13:57            | LB133739      |
|           | Nickel    | 2.40           | 2.0                | 120           | -38                    | 42                      | 12/04/2024       | 13:57            | LB133739      |
|           | Potassium | 47.8           |                    |               | 0                      | 0                       | 12/04/2024       | 13:57            | LB133739      |
|           | Selenium  | -10.7          |                    |               | -20                    | 20                      | 12/04/2024       | 13:57            | LB133739      |
|           | Silver    | -5.06          |                    |               | -10                    | 10                      | 12/04/2024       | 13:57            | LB133739      |
|           | Sodium    | 100            |                    |               | 0                      | 0                       | 12/04/2024       | 13:57            | LB133739      |
|           | Thallium  | 11.5           |                    |               | -40                    | 40                      | 12/04/2024       | 13:57            | LB133739      |
|           | Vanadium  | 6.74           |                    |               | -40                    | 40                      | 12/04/2024       | 13:57            | LB133739      |
|           | Zinc      | 8.15           |                    |               | -40                    | 40                      | 12/04/2024       | 13:57            | LB133739      |
| ICSAB01   | Aluminum  | 261000         | 247000             | 106           | 209000                 | 285000                  | 12/04/2024       | 14:15            | LB133739      |
|           | Antimony  | 629            | 618                | 102           | 525                    | 711                     | 12/04/2024       | 14:15            | LB133739      |
|           | Arsenic   | 110            | 104                | 106           | 88.4                   | 120                     | 12/04/2024       | 14:15            | LB133739      |
|           | Barium    | 500            | 537                | 93            | 437                    | 637                     | 12/04/2024       | 14:15            | LB133739      |

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|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Beryllium | 505            | 495                | 102           | 420                    | 570                     | 12/04/2024       | 14:15            | LB133739      |
|           | Cadmium   | 1010           | 972                | 104           | 826                    | 1120                    | 12/04/2024       | 14:15            | LB133739      |
|           | Calcium   | 239000         | 235000             | 102           | 199000                 | 271000                  | 12/04/2024       | 14:15            | LB133739      |
|           | Chromium  | 561            | 542                | 104           | 460                    | 624                     | 12/04/2024       | 14:15            | LB133739      |
|           | Cobalt    | 503            | 476                | 106           | 404                    | 548                     | 12/04/2024       | 14:15            | LB133739      |
|           | Copper    | 474            | 511                | 93            | 434                    | 588                     | 12/04/2024       | 14:15            | LB133739      |
|           | Iron      | 96000          | 99300              | 97            | 84400                  | 114500                  | 12/04/2024       | 14:15            | LB133739      |
|           | Lead      | 52.7           | 49.0               | 108           | 37                     | 61                      | 12/04/2024       | 14:15            | LB133739      |
|           | Magnesium | 264000         | 248000             | 106           | 210000                 | 286000                  | 12/04/2024       | 14:15            | LB133739      |
|           | Manganese | 482            | 507                | 95            | 430                    | 584                     | 12/04/2024       | 14:15            | LB133739      |
|           | Nickel    | 987            | 954                | 104           | 810                    | 1100                    | 12/04/2024       | 14:15            | LB133739      |
|           | Potassium | -30.8          |                    |               | 0                      | 0                       | 12/04/2024       | 14:15            | LB133739      |
|           | Selenium  | 34.2           | 46.0               | 74            | 26                     | 66                      | 12/04/2024       | 14:15            | LB133739      |
|           | Silver    | 193            | 201                | 96            | 170                    | 232                     | 12/04/2024       | 14:15            | LB133739      |
|           | Sodium    | 114            |                    |               | 0                      | 0                       | 12/04/2024       | 14:15            | LB133739      |
|           | Thallium  | 94.7           | 108                | 88            | 68                     | 148                     | 12/04/2024       | 14:15            | LB133739      |
|           | Vanadium  | 496            | 491                | 101           | 417                    | 565                     | 12/04/2024       | 14:15            | LB133739      |
|           | Zinc      | 1100           | 952                | 116           | 809                    | 1095                    | 12/04/2024       | 14:15            | LB133739      |