

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1355  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

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| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV02     | Mercury | 3.65           | 4.0        | 91            | 90 - 110                  | CV | 02/12/2025       | 14:04            | LB134685      |

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| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV63     | Mercury | 4.96           | 5.0        | 99            | 90 - 110                  | CV | 02/12/2025       | 14:11            | LB134685      |
| CCV64     | Mercury | 4.61           | 5.0        | 92            | 90 - 110                  | CV | 02/12/2025       | 14:44            | LB134685      |
| CCV65     | Mercury | 5.24           | 5.0        | 105           | 90 - 110                  | CV | 02/12/2025       | 15:19            | LB134685      |
| CCV66     | Mercury | 5.18           | 5.0        | 104           | 90 - 110                  | CV | 02/12/2025       | 15:50            | LB134685      |

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**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 2360           | 2500       | 94            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Antimony  | 993            | 1000       | 99            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Arsenic   | 957            | 1000       | 96            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Barium    | 556            | 520        | 107           | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Beryllium | 488            | 510        | 96            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Cadmium   | 488            | 510        | 96            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Calcium   | 9460           | 10000      | 95            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Chromium  | 525            | 520        | 101           | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Cobalt    | 495            | 520        | 95            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Copper    | 513            | 510        | 100           | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Iron      | 10000          | 10000      | 100           | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Lead      | 963            | 1000       | 96            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Magnesium | 5600           | 6000       | 93            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Manganese | 485            | 520        | 93            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Nickel    | 498            | 530        | 94            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Potassium | 9690           | 9900       | 98            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Selenium  | 999            | 1000       | 100           | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Silver    | 246            | 250        | 98            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Sodium    | 9310           | 10000      | 93            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Thallium  | 1010           | 1000       | 101           | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Vanadium  | 478            | 500        | 96            | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |
|           | Zinc      | 1010           | 1000       | 101           | 90 - 110                  | P | 02/13/2025       | 12:17            | LB134709      |

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**Client:** G Environmental **SDG No.:** Q1355  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1355 **SAS No.:** Q1355  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 100            | 100        | 100           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Antimony  | 51.1           | 50.0       | 102           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Arsenic   | 20.8           | 20.0       | 104           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Barium    | 83.2           | 100        | 83            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Beryllium | 5.65           | 6.0        | 94            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Cadmium   | 5.68           | 6.0        | 95            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Calcium   | 1890           | 2000       | 94            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Chromium  | 10.2           | 10.0       | 102           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Cobalt    | 29.0           | 30.0       | 97            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Copper    | 21.8           | 20.0       | 109           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Iron      | 96.6           | 100        | 97            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Lead      | 11.2           | 12.0       | 93            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Magnesium | 2000           | 2000       | 100           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Manganese | 18.4           | 20.0       | 92            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Nickel    | 39.4           | 40.0       | 98            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Potassium | 1910           | 2000       | 95            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Selenium  | 22.0           | 20.0       | 110           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Silver    | 10.2           | 10.0       | 102           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Sodium    | 1680           | 2000       | 84            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Thallium  | 37.6           | 40.0       | 94            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Vanadium  | 38.3           | 40.0       | 96            | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |
|           | Zinc      | 42.3           | 40.0       | 106           | 80 - 120                  | P | 02/13/2025       | 12:22            | LB134709      |

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**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 9450           | 10000      | 94            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Antimony  | 4820           | 5000       | 96            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Arsenic   | 4840           | 5000       | 97            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Barium    | 9350           | 10000      | 94            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Beryllium | 237            | 250        | 95            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Cadmium   | 2400           | 2500       | 96            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Calcium   | 23400          | 25000      | 94            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Chromium  | 979            | 1000       | 98            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Cobalt    | 2390           | 2500       | 96            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Copper    | 1220           | 1250       | 98            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Iron      | 4820           | 5000       | 96            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Lead      | 4800           | 5000       | 96            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Magnesium | 23400          | 25000      | 94            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Manganese | 2330           | 2500       | 93            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Nickel    | 2400           | 2500       | 96            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Potassium | 23900          | 25000      | 96            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Selenium  | 4850           | 5000       | 97            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Silver    | 1220           | 1250       | 97            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Sodium    | 23800          | 25000      | 95            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Thallium  | 4800           | 5000       | 96            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Vanadium  | 2360           | 2500       | 94            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
|           | Zinc      | 2430           | 2500       | 97            | 90 - 110                  | P | 02/13/2025       | 13:23            | LB134709      |
| CCV02     | Aluminum  | 9750           | 10000      | 98            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Antimony  | 4970           | 5000       | 100           | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Arsenic   | 4930           | 5000       | 99            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Barium    | 9740           | 10000      | 97            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Beryllium | 244            | 250        | 98            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Cadmium   | 2460           | 2500       | 98            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Calcium   | 24300          | 25000      | 97            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Chromium  | 1010           | 1000       | 101           | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Cobalt    | 2460           | 2500       | 98            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Iron      | 4980           | 5000       | 100           | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Lead      | 4920           | 5000       | 98            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |

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|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 24200          | 25000      | 97            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Manganese | 2420           | 2500       | 97            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Nickel    | 2460           | 2500       | 99            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Potassium | 25000          | 25000      | 100           | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Selenium  | 4950           | 5000       | 99            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Silver    | 1260           | 1250       | 101           | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Sodium    | 24500          | 25000      | 98            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Thallium  | 4960           | 5000       | 99            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Vanadium  | 2440           | 2500       | 98            | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
|           | Zinc      | 2520           | 2500       | 101           | 90 - 110                  | P | 02/13/2025       | 14:24            | LB134709      |
| CCV03     | Aluminum  | 9760           | 10000      | 98            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Antimony  | 4940           | 5000       | 99            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Arsenic   | 4890           | 5000       | 98            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Barium    | 9670           | 10000      | 97            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Beryllium | 239            | 250        | 96            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Cadmium   | 2420           | 2500       | 97            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Calcium   | 23900          | 25000      | 96            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Chromium  | 981            | 1000       | 98            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Cobalt    | 2420           | 2500       | 97            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Iron      | 4930           | 5000       | 99            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Lead      | 4840           | 5000       | 97            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Magnesium | 23600          | 25000      | 94            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Manganese | 2380           | 2500       | 95            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Potassium | 24900          | 25000      | 100           | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Selenium  | 4910           | 5000       | 98            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Sodium    | 24800          | 25000      | 99            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Thallium  | 4840           | 5000       | 97            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Vanadium  | 2410           | 2500       | 96            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |
|           | Zinc      | 2430           | 2500       | 97            | 90 - 110                  | P | 02/13/2025       | 14:47            | LB134709      |