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**Metals**

**- 2a -**

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Weston Solutions **SDG No.:** P5365  
**Contract:** WEST04 **Lab Code:** CHEM **Case No.:** P5365 **SAS No.:** P5365  
**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV28     | Mercury | 4.01           | 4.0        | 100           | 90 - 110                  | CV | 12/20/2024       | 14:13            | LB134050      |

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|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV57     | Mercury | 5.05           | 5.0        | 101           | 90 - 110                  | CV | 12/20/2024       | 14:17            | LB134050      |
| CCV58     | Mercury | 4.92           | 5.0        | 98            | 90 - 110                  | CV | 12/20/2024       | 14:43            | LB134050      |
| CCV59     | Mercury | 4.90           | 5.0        | 98            | 90 - 110                  | CV | 12/20/2024       | 15:01            | LB134050      |

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Client: Weston Solutions SDG No.: P5365  
Contract: WEST04 Lab Code: CHEM Case No.: P5365 SAS No.: P5365  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

| 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  | 478            | 500        | 96            | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Antimony  | 205            | 200        | 103           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Arsenic   | 212            | 200        | 106           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Barium    | 98.9           | 100        | 99            | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Beryllium | 105            | 100        | 105           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Cadmium   | 104            | 100        | 104           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Calcium   | 2050           | 2000       | 102           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Chromium  | 104            | 100        | 104           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Cobalt    | 104            | 100        | 104           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Copper    | 99.4           | 100        | 99            | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Iron      | 2160           | 2000       | 108           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Lead      | 190            | 200        | 95            | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Magnesium | 1180           | 1200       | 98            | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Manganese | 101            | 100        | 101           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Nickel    | 109            | 110        | 99            | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Potassium | 1990           | 2000       | 100           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Selenium  | 214            | 200        | 107           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Silver    | 49.9           | 50.0       | 100           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Sodium    | 1990           | 2000       | 100           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Thallium  | 195            | 210        | 93            | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Vanadium  | 99.6           | 100        | 100           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |
|           | Zinc      | 202            | 200        | 101           | 90 - 110                  | P | 01/06/2025       | 14:05            | LB134187      |

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**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

| 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  | 19.3           | 20.0       | 96            | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Antimony  | 2.21           | 2.0        | 110           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Arsenic   | 1.17           | 1.0        | 117           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Barium    | 10.3           | 10.0       | 103           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Beryllium | 1.15           | 1.0        | 115           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Cadmium   | 1.07           | 1.0        | 107           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Calcium   | 556            | 500        | 111           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Chromium  | 2.15           | 2.0        | 108           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Cobalt    | 1.10           | 1.0        | 110           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Copper    | 2.05           | 2.0        | 102           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Iron      | 59.6           | 50.0       | 119           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Lead      | 1.00           | 1.0        | 100           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Magnesium | 543            | 500        | 109           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Manganese | 1.07           | 1.0        | 107           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Nickel    | 1.07           | 1.0        | 107           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Potassium | 525            | 500        | 105           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Selenium  | 5.61           | 5.0        | 112           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Silver    | 1.10           | 1.0        | 110           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Sodium    | 518            | 500        | 104           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Thallium  | 0.99           | 1.0        | 99            | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Vanadium  | 5.26           | 5.0        | 105           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |
|           | Zinc      | 5.39           | 5.0        | 108           | 80 - 120                  | P | 01/06/2025       | 14:09            | LB134187      |

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**Client:** Weston Solutions **SDG No.:** P5365

**Contract:** WEST04 **Lab Code:** CHEM **Case No.:** P5365 **SAS No.:** P5365

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| 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  | 48800          | 50000      | 98            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Antimony  | 480            | 500        | 96            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Arsenic   | 478            | 500        | 96            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Barium    | 2420           | 2500       | 97            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Beryllium | 470            | 500        | 94            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Cadmium   | 455            | 500        | 91            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Calcium   | 251000         | 250000     | 100           | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Chromium  | 489            | 500        | 98            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Cobalt    | 476            | 500        | 95            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Copper    | 4650           | 5000       | 93            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Iron      | 126000         | 125000     | 101           | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Lead      | 2490           | 2500       | 100           | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Magnesium | 246000         | 250000     | 98            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Manganese | 4810           | 5000       | 96            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Nickel    | 469            | 500        | 94            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Potassium | 121000         | 125000     | 97            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Selenium  | 469            | 500        | 94            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Silver    | 471            | 500        | 94            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Sodium    | 245000         | 250000     | 98            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Thallium  | 498            | 500        | 100           | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Vanadium  | 485            | 500        | 97            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
|           | Zinc      | 4590           | 5000       | 92            | 90 - 110                  | P | 01/06/2025       | 14:34            | LB134187      |
| CCV02     | Aluminum  | 49700          | 50000      | 99            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Antimony  | 482            | 500        | 96            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Arsenic   | 483            | 500        | 96            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Barium    | 2440           | 2500       | 98            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Beryllium | 491            | 500        | 98            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Cadmium   | 459            | 500        | 92            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Calcium   | 251000         | 250000     | 100           | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Chromium  | 486            | 500        | 97            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Cobalt    | 481            | 500        | 96            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Copper    | 4680           | 5000       | 94            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Iron      | 128000         | 125000     | 102           | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Lead      | 2510           | 2500       | 100           | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |

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Client: Weston Solutions SDG No.: P5365  
Contract: WEST04 Lab Code: CHEM Case No.: P5365 SAS No.: P5365  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

| 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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 250000         | 250000     | 100           | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Manganese | 4850           | 5000       | 97            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Nickel    | 471            | 500        | 94            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Potassium | 121000         | 125000     | 96            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Selenium  | 476            | 500        | 95            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Silver    | 474            | 500        | 95            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Sodium    | 247000         | 250000     | 99            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Thallium  | 502            | 500        | 100           | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Vanadium  | 489            | 500        | 98            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |
|           | Zinc      | 4630           | 5000       | 93            | 90 - 110                  | P | 01/06/2025       | 15:35            | LB134187      |