

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** PSEG **SDG No.:** P2687  
**Contract:** PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687  
**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV75     | Mercury | 4.08           | 4.0        | 102           | 90 - 110                  | CV | 06/05/2024       | 12:11            | LB131063      |

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**Client:** PSEG **SDG No.:** P2687  
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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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV84     | Mercury | 4.95           | 5.0        | 99            | 90 - 110                  | CV | 06/05/2024       | 12:21            | LB131063      |
| CCV85     | Mercury | 5.11           | 5.0        | 102           | 90 - 110                  | CV | 06/05/2024       | 13:03            | LB131063      |
| CCV86     | Mercury | 4.84           | 5.0        | 97            | 90 - 110                  | CV | 06/05/2024       | 13:41            | LB131063      |
| CCV87     | Mercury | 4.69           | 5.0        | 94            | 90 - 110                  | CV | 06/05/2024       | 14:19            | LB131063      |

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

Client: PSEG SDG No.: P2687  
Contract: PSEG03 Lab Code: CHEM Case No.: P2687 SAS No.: P2687  
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 |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Arsenic  | 1010           | 1000       | 101           | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Barium   | 493            | 520        | 95            | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Cadmium  | 495            | 510        | 97            | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Chromium | 510            | 520        | 98            | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Copper   | 502            | 510        | 98            | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Lead     | 987            | 1000       | 99            | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Nickel   | 486            | 530        | 92            | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Selenium | 1020           | 1000       | 102           | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Silver   | 247            | 250        | 99            | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |
|           | Zinc     | 1040           | 1000       | 104           | 90 - 110                  | P | 06/03/2024       | 12:04            | LB131042      |

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

Client: PSEG SDG No.: P2687  
Contract: PSEG03 Lab Code: CHEM Case No.: P2687 SAS No.: P2687  
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   | Arsenic  | 18.2           | 20.0       | 91            | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Barium   | 100            | 100        | 100           | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Cadmium  | 6.11           | 6.0        | 102           | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Chromium | 9.48           | 10.0       | 95            | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Copper   | 20.3           | 20.0       | 102           | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Lead     | 12.7           | 12.0       | 105           | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Nickel   | 38.5           | 40.0       | 96            | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Selenium | 19.4           | 20.0       | 97            | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Silver   | 10.4           | 10.0       | 104           | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |
|           | Zinc     | 42.9           | 40.0       | 107           | 80 - 120                  | P | 06/03/2024       | 12:18            | LB131042      |

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**Client:** PSEG **SDG No.:** P2687

**Contract:** PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

**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     | Arsenic  | 4870           | 5000       | 97            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Barium   | 9760           | 10000      | 98            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Cadmium  | 2420           | 2500       | 97            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Chromium | 954            | 1000       | 95            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Copper   | 1220           | 1250       | 98            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Lead     | 4900           | 5000       | 98            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Nickel   | 2430           | 2500       | 97            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Selenium | 4880           | 5000       | 98            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Silver   | 1180           | 1250       | 95            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
|           | Zinc     | 2480           | 2500       | 99            | 90 - 110                  | P | 06/03/2024       | 12:46            | LB131042      |
| CCV02     | Arsenic  | 4790           | 5000       | 96            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Barium   | 9550           | 10000      | 96            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Cadmium  | 2370           | 2500       | 95            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Chromium | 927            | 1000       | 93            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Copper   | 1200           | 1250       | 96            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Lead     | 4830           | 5000       | 97            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Nickel   | 2380           | 2500       | 95            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Selenium | 4830           | 5000       | 97            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Silver   | 1160           | 1250       | 92            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
|           | Zinc     | 2420           | 2500       | 97            | 90 - 110                  | P | 06/03/2024       | 13:44            | LB131042      |
| CCV03     | Arsenic  | 4710           | 5000       | 94            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Barium   | 9560           | 10000      | 96            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Cadmium  | 2360           | 2500       | 94            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Chromium | 915            | 1000       | 92            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Copper   | 1180           | 1250       | 94            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Lead     | 4770           | 5000       | 95            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Nickel   | 2360           | 2500       | 94            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Selenium | 4770           | 5000       | 95            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Silver   | 1130           | 1250       | 91            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
|           | Zinc     | 2350           | 2500       | 94            | 90 - 110                  | P | 06/03/2024       | 14:37            | LB131042      |
| CCV04     | Arsenic  | 4940           | 5000       | 99            | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
|           | Barium   | 10100          | 10000      | 101           | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
|           | Cadmium  | 2460           | 2500       | 98            | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
|           | Chromium | 967            | 1000       | 97            | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |

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Initial Calibration Source: EPA  
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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 |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Copper   | 1230           | 1250       | 99            | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
|           | Lead     | 5000           | 5000       | 100           | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
|           | Nickel   | 2480           | 2500       | 99            | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
|           | Selenium | 4970           | 5000       | 100           | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
|           | Silver   | 1180           | 1250       | 94            | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
|           | Zinc     | 2460           | 2500       | 99            | 90 - 110                  | P | 06/03/2024       | 15:34            | LB131042      |
| CCV05     | Arsenic  | 4680           | 5000       | 94            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Barium   | 9730           | 10000      | 97            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Cadmium  | 2340           | 2500       | 94            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Chromium | 923            | 1000       | 92            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Copper   | 1160           | 1250       | 93            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Lead     | 4750           | 5000       | 95            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Nickel   | 2340           | 2500       | 94            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Selenium | 4710           | 5000       | 94            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Silver   | 1130           | 1250       | 90            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
|           | Zinc     | 2370           | 2500       | 95            | 90 - 110                  | P | 06/03/2024       | 16:20            | LB131042      |
| CCV06     | Arsenic  | 5020           | 5000       | 100           | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Barium   | 10100          | 10000      | 101           | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Cadmium  | 2470           | 2500       | 99            | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Chromium | 946            | 1000       | 95            | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Copper   | 1240           | 1250       | 99            | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Lead     | 5060           | 5000       | 101           | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Nickel   | 2480           | 2500       | 99            | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Selenium | 5050           | 5000       | 101           | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Silver   | 1170           | 1250       | 93            | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Zinc     | 2520           | 2500       | 101           | 90 - 110                  | P | 06/03/2024       | 17:27            | LB131042      |
|           | Arsenic  | 5040           | 5000       | 101           | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |
|           | Barium   | 10600          | 10000      | 106           | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |
| CCV07     | Cadmium  | 2470           | 2500       | 99            | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |
|           | Chromium | 959            | 1000       | 96            | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |
|           | Copper   | 1240           | 1250       | 100           | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |
|           | Lead     | 5140           | 5000       | 103           | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |
|           | Nickel   | 2490           | 2500       | 100           | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |
|           | Selenium | 5060           | 5000       | 101           | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |

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**Initial Calibration Source:** EPA  
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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 |
|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV07     | Silver  | 1190           | 1250       | 95            | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |
|           | Zinc    | 2600           | 2500       | 104           | 90 - 110                  | P | 06/03/2024       | 18:35            | LB131042      |