

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** ENTACT **SDG No.:** Q1929  
**Contract:** ENTA05 **Lab Code:** CHEM **Case No.:** Q1929 **SAS No.:** Q1929  
**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV114    | Mercury | 3.72           | 4.0        | 93            | 90 - 110                  | CV | 05/05/2025       | 11:16            | LB135662      |

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**Client:** ENTACT **SDG No.:** Q1929  
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|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV71     | Mercury | 4.85           | 5.0        | 97            | 90 - 110                  | CV | 05/05/2025       | 11:25            | LB135662      |
| CCV72     | Mercury | 5.11           | 5.0        | 102           | 90 - 110                  | CV | 05/05/2025       | 11:58            | LB135662      |
| CCV73     | Mercury | 4.75           | 5.0        | 95            | 90 - 110                  | CV | 05/05/2025       | 12:28            | LB135662      |
| CCV74     | Mercury | 4.54           | 5.0        | 91            | 90 - 110                  | CV | 05/05/2025       | 13:03            | LB135662      |
| CCV75     | Mercury | 5.43           | 5.0        | 108           | 90 - 110                  | CV | 05/05/2025       | 13:41            | LB135662      |
| CCV76     | Mercury | 5.40           | 5.0        | 108           | 90 - 110                  | CV | 05/05/2025       | 13:52            | LB135662      |

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

Client: ENTACT SDG No.: Q1929  
Contract: ENTA05 Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929  
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  | 973            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Barium   | 522            | 520        | 100           | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Cadmium  | 501            | 510        | 98            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Chromium | 508            | 520        | 98            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Copper   | 499            | 510        | 98            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Lead     | 988            | 1000       | 99            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Nickel   | 490            | 530        | 92            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Selenium | 1020           | 1000       | 102           | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Silver   | 228            | 250        | 91            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Zinc     | 969            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

Client: ENTACT SDG No.: Q1929  
Contract: ENTA05 Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929  
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  | 23.4           | 20.0       | 117           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Barium   | 95.2           | 100        | 95            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Cadmium  | 5.83           | 6.0        | 97            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Chromium | 10.2           | 10.0       | 102           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Copper   | 22.4           | 20.0       | 112           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Lead     | 10.9           | 12.0       | 91            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Nickel   | 39.5           | 40.0       | 99            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Selenium | 22.6           | 20.0       | 113           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Silver   | 10.2           | 10.0       | 102           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Zinc     | 41.2           | 40.0       | 103           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** ENTACT **SDG No.:** Q1929  
**Contract:** ENTA05 **Lab Code:** CHEM **Case No.:** Q1929 **SAS No.:** Q1929  
**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  | 4930           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Barium   | 9850           | 10000      | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Cadmium  | 2450           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Chromium | 996            | 1000       | 100           | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Copper   | 1240           | 1250       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Lead     | 4940           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Nickel   | 2450           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Selenium | 4960           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Silver   | 1240           | 1250       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Zinc     | 2480           | 2500       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
| CCV02     | Arsenic  | 4880           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Barium   | 9880           | 10000      | 99            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Cadmium  | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Chromium | 974            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Copper   | 1230           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Lead     | 4870           | 5000       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Nickel   | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Selenium | 4920           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Silver   | 1210           | 1250       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Zinc     | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
| CCV03     | Arsenic  | 5050           | 5000       | 101           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Barium   | 9910           | 10000      | 99            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Cadmium  | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Chromium | 975            | 1000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Copper   | 1260           | 1250       | 100           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Lead     | 4880           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Nickel   | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Selenium | 5160           | 5000       | 103           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Silver   | 1230           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Zinc     | 2460           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
| CCV04     | Arsenic  | 4930           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Barium   | 9690           | 10000      | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Cadmium  | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Chromium | 977            | 1000       | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |

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**Client:** ENTACT **SDG No.:** Q1929

**Contract:** ENTA05 **Lab Code:** CHEM **Case No.:** Q1929 **SAS No.:** Q1929

**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 |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Copper   | 1220           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Lead     | 4870           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Nickel   | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Selenium | 4980           | 5000       | 100           | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Silver   | 1200           | 1250       | 96            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Zinc     | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
| CCV05     | Arsenic  | 4990           | 5000       | 100           | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Barium   | 9570           | 10000      | 96            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Cadmium  | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Chromium | 970            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Copper   | 1230           | 1250       | 99            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Lead     | 4860           | 5000       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Nickel   | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Selenium | 5070           | 5000       | 101           | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Silver   | 1220           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Zinc     | 2470           | 2500       | 99            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
| CCV06     | Arsenic  | 4750           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Barium   | 9680           | 10000      | 97            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Cadmium  | 2340           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Chromium | 940            | 1000       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Copper   | 1180           | 1250       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Lead     | 4680           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Nickel   | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Selenium | 4800           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Silver   | 1190           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Zinc     | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Arsenic  | 4700           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Barium   | 9380           | 10000      | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
| CCV07     | Cadmium  | 2350           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Chromium | 955            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Copper   | 1170           | 1250       | 93            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Lead     | 4710           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Nickel   | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Selenium | 4700           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |

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**Client:** ENTACT **SDG No.:** Q1929  
**Contract:** ENTA05 **Lab Code:** CHEM **Case No.:** Q1929 **SAS No.:** Q1929  
**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 |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV07     | Silver   | 1180           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Zinc     | 2350           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
| CCV08     | Arsenic  | 4790           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Barium   | 9390           | 10000      | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Cadmium  | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Chromium | 961            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Copper   | 1190           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Lead     | 4770           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Nickel   | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Selenium | 4800           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Silver   | 1180           | 1250       | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Zinc     | 2350           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
| CCV09     | Arsenic  | 4740           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Barium   | 9390           | 10000      | 94            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Cadmium  | 2410           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Chromium | 959            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Copper   | 1180           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Lead     | 4810           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Nickel   | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Selenium | 4740           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Silver   | 1190           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Zinc     | 2320           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
| CCV10     | Arsenic  | 4740           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Barium   | 9090           | 10000      | 91            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Cadmium  | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Chromium | 967            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Copper   | 1180           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Lead     | 4750           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Nickel   | 2370           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Selenium | 4730           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Silver   | 1180           | 1250       | 94            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Zinc     | 2330           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |