



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Metals**

**- 2a -**

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Environmental Restoration, LLC

**SDG No.:** Q2646

**Contract:** ENVI60

**Lab Code:** ACE

**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV36     | Mercury | 3.82           | 4.0        | 96            | 90 - 110                  | CV | 07/22/2025       | 15:13            | LB136570      |

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|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV34     | Mercury | 4.50           | 5.0        | 90            | 90 - 110                  | CV | 07/22/2025       | 15:17            | LB136570      |
| CCV35     | Mercury | 4.91           | 5.0        | 98            | 90 - 110                  | CV | 07/22/2025       | 15:54            | LB136570      |
| CCV36     | Mercury | 5.27           | 5.0        | 105           | 90 - 110                  | CV | 07/22/2025       | 16:28            | LB136570      |
| CCV37     | Mercury | 5.14           | 5.0        | 103           | 90 - 110                  | CV | 07/22/2025       | 16:58            | LB136570      |
| CCV38     | Mercury | 4.98           | 5.0        | 100           | 90 - 110                  | CV | 07/22/2025       | 17:31            | LB136570      |
| CCV39     | Mercury | 4.96           | 5.0        | 99            | 90 - 110                  | CV | 07/22/2025       | 18:15            | LB136570      |
| CCV40     | Mercury | 5.05           | 5.0        | 101           | 90 - 110                  | CV | 07/22/2025       | 18:56            | LB136570      |

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|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Arsenic  | 3880           | 4000       | 97            | 90 - 110                  | P | 07/22/2025       | 12:03            | LB136571      |
|           | Barium   | 8140           | 8000       | 102           | 90 - 110                  | P | 07/22/2025       | 12:03            | LB136571      |
|           | Cadmium  | 1950           | 2000       | 98            | 90 - 110                  | P | 07/22/2025       | 12:03            | LB136571      |
|           | Chromium | 819            | 800        | 102           | 90 - 110                  | P | 07/22/2025       | 12:03            | LB136571      |
|           | Lead     | 3800           | 4000       | 95            | 90 - 110                  | P | 07/22/2025       | 12:03            | LB136571      |
|           | Selenium | 3880           | 4000       | 97            | 90 - 110                  | P | 07/22/2025       | 12:03            | LB136571      |
|           | Silver   | 1040           | 1000       | 104           | 90 - 110                  | P | 07/22/2025       | 12:03            | LB136571      |

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|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Arsenic  | 21.8           | 20.0       | 109           | 80 - 120                  | P | 07/22/2025       | 12:10            | LB136571      |
|           | Barium   | 101            | 100        | 102           | 80 - 120                  | P | 07/22/2025       | 12:10            | LB136571      |
|           | Cadmium  | 5.75           | 6.0        | 96            | 80 - 120                  | P | 07/22/2025       | 12:10            | LB136571      |
|           | Chromium | 10.8           | 10.0       | 108           | 80 - 120                  | P | 07/22/2025       | 12:10            | LB136571      |
|           | Lead     | 13.2           | 12.0       | 110           | 80 - 120                  | P | 07/22/2025       | 12:10            | LB136571      |
|           | Selenium | 21.7           | 20.0       | 109           | 80 - 120                  | P | 07/22/2025       | 12:10            | LB136571      |
|           | Silver   | 10.4           | 10.0       | 104           | 80 - 120                  | P | 07/22/2025       | 12:10            | LB136571      |

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|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Arsenic  | 5010           | 5000       | 100           | 90 - 110                  | P | 07/22/2025       | 13:00            | LB136571      |
|           | Barium   | 10100          | 10000      | 101           | 90 - 110                  | P | 07/22/2025       | 13:00            | LB136571      |
|           | Cadmium  | 2470           | 2500       | 99            | 90 - 110                  | P | 07/22/2025       | 13:00            | LB136571      |
|           | Chromium | 984            | 1000       | 98            | 90 - 110                  | P | 07/22/2025       | 13:00            | LB136571      |
|           | Lead     | 4920           | 5000       | 98            | 90 - 110                  | P | 07/22/2025       | 13:00            | LB136571      |
|           | Selenium | 5030           | 5000       | 101           | 90 - 110                  | P | 07/22/2025       | 13:00            | LB136571      |
|           | Silver   | 1260           | 1250       | 100           | 90 - 110                  | P | 07/22/2025       | 13:00            | LB136571      |
| CCV02     | Arsenic  | 5090           | 5000       | 102           | 90 - 110                  | P | 07/22/2025       | 14:05            | LB136571      |
|           | Barium   | 10500          | 10000      | 105           | 90 - 110                  | P | 07/22/2025       | 14:05            | LB136571      |
|           | Cadmium  | 2490           | 2500       | 100           | 90 - 110                  | P | 07/22/2025       | 14:05            | LB136571      |
|           | Chromium | 976            | 1000       | 98            | 90 - 110                  | P | 07/22/2025       | 14:05            | LB136571      |
|           | Lead     | 4970           | 5000       | 99            | 90 - 110                  | P | 07/22/2025       | 14:05            | LB136571      |
|           | Selenium | 5100           | 5000       | 102           | 90 - 110                  | P | 07/22/2025       | 14:05            | LB136571      |
|           | Silver   | 1280           | 1250       | 102           | 90 - 110                  | P | 07/22/2025       | 14:05            | LB136571      |
| CCV03     | Arsenic  | 5210           | 5000       | 104           | 90 - 110                  | P | 07/22/2025       | 15:20            | LB136571      |
|           | Barium   | 10600          | 10000      | 106           | 90 - 110                  | P | 07/22/2025       | 15:20            | LB136571      |
|           | Cadmium  | 2560           | 2500       | 102           | 90 - 110                  | P | 07/22/2025       | 15:20            | LB136571      |
|           | Chromium | 1010           | 1000       | 101           | 90 - 110                  | P | 07/22/2025       | 15:20            | LB136571      |
|           | Lead     | 5110           | 5000       | 102           | 90 - 110                  | P | 07/22/2025       | 15:20            | LB136571      |
|           | Selenium | 5230           | 5000       | 104           | 90 - 110                  | P | 07/22/2025       | 15:20            | LB136571      |
|           | Silver   | 1310           | 1250       | 105           | 90 - 110                  | P | 07/22/2025       | 15:20            | LB136571      |
| CCV04     | Arsenic  | 5220           | 5000       | 104           | 90 - 110                  | P | 07/22/2025       | 16:13            | LB136571      |
|           | Barium   | 10800          | 10000      | 108           | 90 - 110                  | P | 07/22/2025       | 16:13            | LB136571      |
|           | Cadmium  | 2560           | 2500       | 102           | 90 - 110                  | P | 07/22/2025       | 16:13            | LB136571      |
|           | Chromium | 1010           | 1000       | 101           | 90 - 110                  | P | 07/22/2025       | 16:13            | LB136571      |
|           | Lead     | 5100           | 5000       | 102           | 90 - 110                  | P | 07/22/2025       | 16:13            | LB136571      |
|           | Selenium | 5240           | 5000       | 105           | 90 - 110                  | P | 07/22/2025       | 16:13            | LB136571      |
|           | Silver   | 1320           | 1250       | 105           | 90 - 110                  | P | 07/22/2025       | 16:13            | LB136571      |
| CCV05     | Arsenic  | 5170           | 5000       | 104           | 90 - 110                  | P | 07/22/2025       | 17:14            | LB136571      |
|           | Barium   | 10700          | 10000      | 107           | 90 - 110                  | P | 07/22/2025       | 17:14            | LB136571      |
|           | Cadmium  | 2560           | 2500       | 102           | 90 - 110                  | P | 07/22/2025       | 17:14            | LB136571      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 07/22/2025       | 17:14            | LB136571      |
|           | Lead     | 5120           | 5000       | 102           | 90 - 110                  | P | 07/22/2025       | 17:14            | LB136571      |
|           | Selenium | 5180           | 5000       | 104           | 90 - 110                  | P | 07/22/2025       | 17:14            | LB136571      |

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|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Silver   | 1320           | 1250       | 106           | 90 - 110                  | P | 07/22/2025       | 17:14            | LB136571      |
| CCV06     | Arsenic  | 5170           | 5000       | 103           | 90 - 110                  | P | 07/22/2025       | 18:05            | LB136571      |
|           | Barium   | 10700          | 10000      | 107           | 90 - 110                  | P | 07/22/2025       | 18:05            | LB136571      |
|           | Cadmium  | 2560           | 2500       | 102           | 90 - 110                  | P | 07/22/2025       | 18:05            | LB136571      |
|           | Chromium | 1040           | 1000       | 104           | 90 - 110                  | P | 07/22/2025       | 18:05            | LB136571      |
|           | Lead     | 5120           | 5000       | 102           | 90 - 110                  | P | 07/22/2025       | 18:05            | LB136571      |
|           | Selenium | 5170           | 5000       | 103           | 90 - 110                  | P | 07/22/2025       | 18:05            | LB136571      |
|           | Silver   | 1330           | 1250       | 107           | 90 - 110                  | P | 07/22/2025       | 18:05            | LB136571      |
| CCV07     | Arsenic  | 5190           | 5000       | 104           | 90 - 110                  | P | 07/22/2025       | 18:54            | LB136571      |
|           | Barium   | 10600          | 10000      | 106           | 90 - 110                  | P | 07/22/2025       | 18:54            | LB136571      |
|           | Cadmium  | 2570           | 2500       | 103           | 90 - 110                  | P | 07/22/2025       | 18:54            | LB136571      |
|           | Chromium | 1010           | 1000       | 101           | 90 - 110                  | P | 07/22/2025       | 18:54            | LB136571      |
|           | Lead     | 5130           | 5000       | 103           | 90 - 110                  | P | 07/22/2025       | 18:54            | LB136571      |
|           | Selenium | 5190           | 5000       | 104           | 90 - 110                  | P | 07/22/2025       | 18:54            | LB136571      |
|           | Silver   | 1320           | 1250       | 105           | 90 - 110                  | P | 07/22/2025       | 18:54            | LB136571      |
| CCV08     | Arsenic  | 5260           | 5000       | 105           | 90 - 110                  | P | 07/22/2025       | 19:19            | LB136571      |
|           | Barium   | 10800          | 10000      | 108           | 90 - 110                  | P | 07/22/2025       | 19:19            | LB136571      |
|           | Cadmium  | 2580           | 2500       | 103           | 90 - 110                  | P | 07/22/2025       | 19:19            | LB136571      |
|           | Chromium | 1050           | 1000       | 105           | 90 - 110                  | P | 07/22/2025       | 19:19            | LB136571      |
|           | Lead     | 5150           | 5000       | 103           | 90 - 110                  | P | 07/22/2025       | 19:19            | LB136571      |
|           | Selenium | 5290           | 5000       | 106           | 90 - 110                  | P | 07/22/2025       | 19:19            | LB136571      |
|           | Silver   | 1330           | 1250       | 107           | 90 - 110                  | P | 07/22/2025       | 19:19            | LB136571      |