

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** First Environment, Inc.

**SDG No.:** Q2820

**Contract:** FIRS02

**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV08     | Mercury | 4.39           | 4.0        | 110           | 90 - 110                  | CV | 08/12/2025       | 09:56            | LB136782      |

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|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV22     | Mercury | 5.22           | 5.0        | 104           | 90 - 110                  | CV | 08/12/2025       | 10:03            | LB136782      |
| CCV23     | Mercury | 5.26           | 5.0        | 105           | 90 - 110                  | CV | 08/12/2025       | 11:11            | LB136782      |
| CCV24     | Mercury | 5.28           | 5.0        | 106           | 90 - 110                  | CV | 08/12/2025       | 11:51            | LB136782      |
| CCV25     | Mercury | 5.14           | 5.0        | 103           | 90 - 110                  | CV | 08/12/2025       | 12:32            | LB136782      |
| CCV26     | Mercury | 4.84           | 5.0        | 97            | 90 - 110                  | CV | 08/12/2025       | 12:55            | LB136782      |

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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  | 7680           | 8000       | 96            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Antimony  | 4000           | 4000       | 100           | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Arsenic   | 3870           | 4000       | 97            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Barium    | 7790           | 8000       | 97            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Beryllium | 189            | 200        | 95            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Cadmium   | 1920           | 2000       | 96            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Calcium   | 19200          | 20000      | 96            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Chromium  | 788            | 800        | 98            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Cobalt    | 1950           | 2000       | 98            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Copper    | 997            | 1000       | 100           | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Iron      | 3950           | 4000       | 99            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Lead      | 3770           | 4000       | 94            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Magnesium | 19100          | 20000      | 96            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Manganese | 1920           | 2000       | 96            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Nickel    | 1950           | 2000       | 97            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Potassium | 19400          | 20000      | 97            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Selenium  | 3880           | 4000       | 97            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Silver    | 1030           | 1000       | 103           | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Sodium    | 19100          | 20000      | 96            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Thallium  | 3750           | 4000       | 94            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Vanadium  | 1940           | 2000       | 97            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |
|           | Zinc      | 1950           | 2000       | 98            | 90 - 110                  | P | 08/13/2025       | 12:21            | LB136801      |

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|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 95.1           | 100        | 95            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Antimony  | 50.1           | 50.0       | 100           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Arsenic   | 21.3           | 20.0       | 106           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Barium    | 94.7           | 100        | 95            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Beryllium | 6.08           | 6.0        | 101           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Cadmium   | 5.59           | 6.0        | 93            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Calcium   | 2040           | 2000       | 102           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Chromium  | 10.5           | 10.0       | 105           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Cobalt    | 29.4           | 30.0       | 98            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Copper    | 21.3           | 20.0       | 107           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Iron      | 107            | 100        | 107           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Lead      | 11.2           | 12.0       | 93            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Magnesium | 2120           | 2000       | 106           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Manganese | 21.0           | 20.0       | 105           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Nickel    | 39.6           | 40.0       | 99            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Potassium | 1990           | 2000       | 100           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Selenium  | 19.2           | 20.0       | 96            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Silver    | 10.1           | 10.0       | 101           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Sodium    | 1850           | 2000       | 92            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Thallium  | 43.0           | 40.0       | 107           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Vanadium  | 38.9           | 40.0       | 97            | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |
|           | Zinc      | 42.4           | 40.0       | 106           | 80 - 120                  | P | 08/13/2025       | 12:28            | LB136801      |

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|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 9630           | 10000      | 96            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Antimony  | 4930           | 5000       | 99            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Arsenic   | 4900           | 5000       | 98            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Barium    | 9640           | 10000      | 96            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Beryllium | 240            | 250        | 96            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Calcium   | 24100          | 25000      | 96            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Chromium  | 1000           | 1000       | 100           | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Cobalt    | 2420           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Iron      | 5030           | 5000       | 101           | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Lead      | 4860           | 5000       | 97            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Magnesium | 24000          | 25000      | 96            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Manganese | 2390           | 2500       | 96            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Potassium | 25000          | 25000      | 100           | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Selenium  | 4930           | 5000       | 98            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Silver    | 1230           | 1250       | 99            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Sodium    | 24600          | 25000      | 99            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Thallium  | 4820           | 5000       | 96            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Vanadium  | 2420           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
|           | Zinc      | 2490           | 2500       | 99            | 90 - 110                  | P | 08/13/2025       | 12:58            | LB136801      |
| CCV02     | Aluminum  | 9700           | 10000      | 97            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Antimony  | 4970           | 5000       | 99            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Arsenic   | 4950           | 5000       | 99            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Barium    | 9660           | 10000      | 97            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Beryllium | 240            | 250        | 96            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Calcium   | 24200          | 25000      | 97            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Chromium  | 987            | 1000       | 99            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Copper    | 1230           | 1250       | 99            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Iron      | 4980           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Lead      | 4850           | 5000       | 97            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |

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|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 24100          | 25000      | 96            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Manganese | 2420           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Potassium | 24600          | 25000      | 98            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Selenium  | 4980           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Sodium    | 24100          | 25000      | 96            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Thallium  | 4960           | 5000       | 99            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Vanadium  | 2450           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
|           | Zinc      | 2460           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 13:42            | LB136801      |
| CCV03     | Aluminum  | 9650           | 10000      | 96            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Antimony  | 5020           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Arsenic   | 4990           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Barium    | 9670           | 10000      | 97            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Beryllium | 238            | 250        | 95            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Calcium   | 24100          | 25000      | 96            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Chromium  | 993            | 1000       | 99            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Iron      | 5010           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Lead      | 4860           | 5000       | 97            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Magnesium | 23900          | 25000      | 96            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Manganese | 2390           | 2500       | 96            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Nickel    | 2440           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Potassium | 24700          | 25000      | 99            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Selenium  | 5020           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Sodium    | 23300          | 25000      | 93            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Thallium  | 4820           | 5000       | 96            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Vanadium  | 2450           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
|           | Zinc      | 2480           | 2500       | 99            | 90 - 110                  | P | 08/13/2025       | 14:33            | LB136801      |
| CCV04     | Aluminum  | 9760           | 10000      | 98            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Antimony  | 5060           | 5000       | 101           | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |

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|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 5010           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Barium    | 9660           | 10000      | 97            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Beryllium | 239            | 250        | 96            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Cadmium   | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Calcium   | 24300          | 25000      | 97            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Chromium  | 991            | 1000       | 99            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Iron      | 5000           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Lead      | 4860           | 5000       | 97            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Magnesium | 24200          | 25000      | 97            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Manganese | 2390           | 2500       | 96            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Nickel    | 2440           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Potassium | 24700          | 25000      | 99            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Selenium  | 5070           | 5000       | 101           | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Sodium    | 23700          | 25000      | 95            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Thallium  | 4760           | 5000       | 95            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Vanadium  | 2470           | 2500       | 99            | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
|           | Zinc      | 2500           | 2500       | 100           | 90 - 110                  | P | 08/13/2025       | 15:23            | LB136801      |
| CCV05     | Aluminum  | 9690           | 10000      | 97            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Antimony  | 5090           | 5000       | 102           | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Arsenic   | 5010           | 5000       | 100           | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Barium    | 9840           | 10000      | 98            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Beryllium | 235            | 250        | 94            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Cadmium   | 2400           | 2500       | 96            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Calcium   | 24100          | 25000      | 96            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Chromium  | 991            | 1000       | 99            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Cobalt    | 2420           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Copper    | 1240           | 1250       | 100           | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Iron      | 5090           | 5000       | 102           | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Lead      | 4810           | 5000       | 96            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Magnesium | 23800          | 25000      | 95            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Manganese | 2380           | 2500       | 95            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |

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**SDG No.:** Q2820

**Contract:** FIRS02

**Lab Code:** ACE

**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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Potassium | 25000          | 25000      | 100           | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Selenium  | 5070           | 5000       | 101           | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Silver    | 1250           | 1250       | 100           | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Sodium    | 23800          | 25000      | 95            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Thallium  | 4540           | 5000       | 91            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Vanadium  | 2460           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
|           | Zinc      | 2510           | 2500       | 101           | 90 - 110                  | P | 08/13/2025       | 16:14            | LB136801      |
| CCV06     | Aluminum  | 9690           | 10000      | 97            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Antimony  | 5110           | 5000       | 102           | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Arsenic   | 5040           | 5000       | 101           | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Barium    | 9810           | 10000      | 98            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Beryllium | 238            | 250        | 95            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Cadmium   | 2420           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Calcium   | 24100          | 25000      | 97            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Chromium  | 988            | 1000       | 99            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Iron      | 5070           | 5000       | 102           | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Lead      | 4850           | 5000       | 97            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Magnesium | 24000          | 25000      | 96            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Manganese | 2400           | 2500       | 96            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Nickel    | 2440           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Potassium | 24800          | 25000      | 99            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Selenium  | 5150           | 5000       | 103           | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Silver    | 1260           | 1250       | 100           | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Sodium    | 23300          | 25000      | 93            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Thallium  | 5380           | 5000       | 108           | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Vanadium  | 2460           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
|           | Zinc      | 2520           | 2500       | 101           | 90 - 110                  | P | 08/13/2025       | 17:05            | LB136801      |
| CCV07     | Aluminum  | 9840           | 10000      | 98            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Antimony  | 5120           | 5000       | 102           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Arsenic   | 5060           | 5000       | 101           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Barium    | 9850           | 10000      | 98            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** First Environment, Inc.

**SDG No.:** Q2820

**Contract:** FIRS02

**Lab Code:** ACE

**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     | Beryllium | 241            | 250        | 96            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Cadmium   | 2440           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Calcium   | 24600          | 25000      | 98            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Chromium  | 1010           | 1000       | 101           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Cobalt    | 2450           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Copper    | 1250           | 1250       | 100           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Iron      | 5140           | 5000       | 103           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Lead      | 4880           | 5000       | 98            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Magnesium | 24400          | 25000      | 98            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Manganese | 2430           | 2500       | 97            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Nickel    | 2460           | 2500       | 98            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Potassium | 24800          | 25000      | 99            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Selenium  | 5160           | 5000       | 103           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Silver    | 1260           | 1250       | 100           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Sodium    | 23600          | 25000      | 95            | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Thallium  | 5360           | 5000       | 107           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Vanadium  | 2490           | 2500       | 100           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |
|           | Zinc      | 2530           | 2500       | 101           | 90 - 110                  | P | 08/13/2025       | 17:46            | LB136801      |