

## LAB CHRONICLE

**OrderID:** Q3615  
**Client:** Core Environmental Consultants and Services, Inc.  
**Contact:** Roland Scardino

**OrderDate:** 11/12/2025 1:09:05 PM  
**Project:** Jones Beach Concrete  
**Location:** J32,VOA Lab

| LabID    | ClientID                    | Matrix | Test           | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-----------------------------|--------|----------------|--------|-------------|-----------|-----------|----------|
| Q3615-01 | East Bathhouse-<br>Concrete | SOIL   |                |        | 11/12/25    |           |           | 11/12/25 |
|          |                             |        | Mercury        | 7471B  |             | 11/12/25  | 11/13/25  |          |
|          |                             |        | Metals ICP-TAL | 6010D  |             | 11/13/25  | 11/13/25  |          |

### Hit Summary Sheet SW-846

**SDG No.:** Q3615 **Order ID:** Q3615  
**Client:** Core Environmental Consultants and Services, Inc. **Project ID:** Jones Beach Concrete

| Sample ID                                   | Client ID                | Matrix | Parameter | Concentration | C | MDL   | RDL  | Units |
|---------------------------------------------|--------------------------|--------|-----------|---------------|---|-------|------|-------|
| <b>Client ID : East Bathhouse- Concrete</b> |                          |        |           |               |   |       |      |       |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Aluminum  | 1470          |   | 0.75  | 4.48 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Arsenic   | 2.09          |   | 0.17  | 0.90 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Barium    | 18.1          |   | 0.66  | 4.48 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Beryllium | 0.097         | J | 0.022 | 0.27 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Calcium   | 18600         |   | 9.96  | 89.7 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Chromium  | 4.37          |   | 0.042 | 0.45 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Cobalt    | 0.62          | J | 0.090 | 1.35 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Copper    | 1.98          |   | 0.20  | 0.90 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Iron      | 2070          |   | 3.58  | 4.48 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Lead      | 3.51          |   | 0.12  | 0.54 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Magnesium | 431           |   | 10.8  | 89.7 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Manganese | 33.7          |   | 0.13  | 0.90 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Nickel    | 1.95          |   | 0.12  | 1.79 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Potassium | 267           |   | 24.8  | 89.7 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Silver    | 0.13          | J | 0.11  | 0.45 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Sodium    | 113           |   | 16.0  | 89.7 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Vanadium  | 5.74          |   | 0.22  | 1.79 | mg/Kg |
| Q3615-01                                    | East Bathhouse- Concrete | SOIL   | Zinc      | 6.37          |   | 0.21  | 1.79 | mg/Kg |



# SAMPLE DATA

## Report of Analysis

|                   |                                                   |                 |          |
|-------------------|---------------------------------------------------|-----------------|----------|
| Client:           | Core Environmental Consultants and Services, Inc. | Date Collected: | 11/12/25 |
| Project:          | Jones Beach Concrete                              | Date Received:  | 11/12/25 |
| Client Sample ID: | East Bathhouse- Concrete                          | SDG No.:        | Q3615    |
| Lab Sample ID:    | Q3615-01                                          | Matrix:         | SOIL     |
| Level (low/med):  | low                                               | % Solid:        | 100      |

| Cas       | Parameter | Conc.  | Qua. | DF | MDL    | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|--------|------|----|--------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 1470   |      | 1  | 0.75   | 4.48       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-36-0 | Antimony  | 0.20   | UN   | 1  | 0.20   | 2.24       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-38-2 | Arsenic   | 2.09   |      | 1  | 0.17   | 0.90       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 18.1   | N    | 1  | 0.66   | 4.48       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-41-7 | Beryllium | 0.097  | J    | 1  | 0.022  | 0.27       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 0.022  | U    | 1  | 0.022  | 0.27       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-70-2 | Calcium   | 18600  |      | 1  | 9.96   | 89.7       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 4.37   |      | 1  | 0.042  | 0.45       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-48-4 | Cobalt    | 0.62   | J    | 1  | 0.090  | 1.35       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-50-8 | Copper    | 1.98   |      | 1  | 0.20   | 0.90       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7439-89-6 | Iron      | 2070   | *    | 1  | 3.58   | 4.48       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 3.51   |      | 1  | 0.12   | 0.54       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7439-95-4 | Magnesium | 431    |      | 1  | 10.8   | 89.7       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7439-96-5 | Manganese | 33.7   | *    | 1  | 0.13   | 0.90       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7439-97-6 | Mercury   | 0.0070 | UN   | 1  | 0.0070 | 0.012      | mg/Kg | 11/12/25 16:50 | 11/13/25 12:27 | 7471B    | 7471B     |
| 7440-02-0 | Nickel    | 1.95   |      | 1  | 0.12   | 1.79       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-09-7 | Potassium | 267    | N    | 1  | 24.8   | 89.7       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7782-49-2 | Selenium  | 0.23   | UN   | 1  | 0.23   | 0.90       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 0.13   | J    | 1  | 0.11   | 0.45       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-23-5 | Sodium    | 113    | N*   | 1  | 16.0   | 89.7       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-28-0 | Thallium  | 0.21   | U    | 1  | 0.21   | 1.79       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-62-2 | Vanadium  | 5.74   | N    | 1  | 0.22   | 1.79       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |
| 7440-66-6 | Zinc      | 6.37   | N*   | 1  | 0.21   | 1.79       | mg/Kg | 11/13/25 10:55 | 11/13/25 14:03 | 6010D    | SW3050    |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



# METAL CALIBRATION DATA

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Core Environmental Consultants and Services, Inc

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV113    | Mercury | 3.89           | 4.0        | 97            | 90 - 110                  | CV | 11/13/2025       | 11:43            | 1b137881      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Core Environmental Consultants and Services, Inc

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV72     | Mercury | 5.21           | 5.0        | 104           | 90 - 110                  | CV | 11/13/2025       | 11:48            | 1b137881      |
| CCV73     | Mercury | 5.26           | 5.0        | 105           | 90 - 110                  | CV | 11/13/2025       | 12:20            | 1b137881      |
| CCV74     | Mercury | 5.30           | 5.0        | 106           | 90 - 110                  | CV | 11/13/2025       | 12:43            | 1b137881      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Core Environmental Consultants and Services, Inc

**SDG No.:** Q3615

**Contract:** CORE02

**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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 7770           | 8000       | 97            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Antimony  | 4060           | 4000       | 102           | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Arsenic   | 4010           | 4000       | 100           | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Barium    | 7920           | 8000       | 99            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Beryllium | 198            | 200        | 99            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Cadmium   | 1990           | 2000       | 99            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Calcium   | 19500          | 20000      | 97            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Chromium  | 793            | 800        | 99            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Cobalt    | 1940           | 2000       | 97            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Copper    | 999            | 1000       | 100           | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Iron      | 4020           | 4000       | 100           | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Lead      | 3920           | 4000       | 98            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Magnesium | 19500          | 20000      | 98            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Manganese | 1970           | 2000       | 98            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Nickel    | 1950           | 2000       | 97            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Potassium | 19900          | 20000      | 99            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Selenium  | 4000           | 4000       | 100           | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Silver    | 1050           | 1000       | 106           | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Sodium    | 20700          | 20000      | 104           | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Thallium  | 4080           | 4000       | 102           | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Vanadium  | 1960           | 2000       | 98            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |
|           | Zinc      | 1940           | 2000       | 97            | 90 - 110                  | P | 11/13/2025       | 13:12            | LB137889      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Core Environmental Consultants and Services, Inc

**SDG No.:** Q3615

**Contract:** CORE02

**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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 90.7           | 100        | 91            | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Antimony  | 51.3           | 50.0       | 103           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Arsenic   | 19.4           | 20.0       | 97            | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Barium    | 98.8           | 100        | 99            | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Beryllium | 6.44           | 6.0        | 107           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Cadmium   | 6.14           | 6.0        | 102           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Calcium   | 2150           | 2000       | 107           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Chromium  | 9.82           | 10.0       | 98            | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Cobalt    | 30.2           | 30.0       | 101           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Copper    | 22.5           | 20.0       | 112           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Iron      | 116            | 100        | 116           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Lead      | 12.0           | 12.0       | 100           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Magnesium | 2230           | 2000       | 112           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Manganese | 21.9           | 20.0       | 109           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Nickel    | 40.8           | 40.0       | 102           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Potassium | 2060           | 2000       | 103           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Selenium  | 23.9           | 20.0       | 120           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Silver    | 10.7           | 10.0       | 107           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Sodium    | 1960           | 2000       | 98            | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Thallium  | 33.4           | 40.0       | 84            | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Vanadium  | 35.3           | 40.0       | 88            | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |
|           | Zinc      | 42.2           | 40.0       | 106           | 80 - 120                  | P | 11/13/2025       | 13:16            | LB137889      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q3615

Contract: CORE02

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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 9670           | 10000      | 97            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Antimony  | 4950           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Arsenic   | 4930           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Barium    | 9720           | 10000      | 97            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Beryllium | 245            | 250        | 98            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Cadmium   | 2470           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Calcium   | 24400          | 25000      | 97            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Chromium  | 1000           | 1000       | 100           | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Cobalt    | 2460           | 2500       | 98            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Iron      | 5050           | 5000       | 101           | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Lead      | 4930           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Magnesium | 24200          | 25000      | 97            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Manganese | 2420           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Nickel    | 2470           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Potassium | 25100          | 25000      | 100           | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Selenium  | 5000           | 5000       | 100           | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Silver    | 1260           | 1250       | 101           | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Sodium    | 25400          | 25000      | 102           | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Thallium  | 4940           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Vanadium  | 2420           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
|           | Zinc      | 2490           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 13:46            | LB137889      |
| CCV02     | Aluminum  | 9750           | 10000      | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Antimony  | 4920           | 5000       | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Arsenic   | 4900           | 5000       | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Barium    | 9830           | 10000      | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Beryllium | 247            | 250        | 99            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Cadmium   | 2410           | 2500       | 96            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Calcium   | 24400          | 25000      | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Chromium  | 973            | 1000       | 97            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Cobalt    | 2410           | 2500       | 96            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Copper    | 1220           | 1250       | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Iron      | 4940           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Lead      | 4830           | 5000       | 96            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q3615

Contract: CORE02

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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 24200          | 25000      | 97            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Manganese | 2450           | 2500       | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Potassium | 24700          | 25000      | 99            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Selenium  | 4960           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Silver    | 1230           | 1250       | 99            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Sodium    | 24600          | 25000      | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Thallium  | 5060           | 5000       | 101           | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Vanadium  | 2440           | 2500       | 98            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
|           | Zinc      | 2470           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 14:35            | LB137889      |
| CCV03     | Aluminum  | 9520           | 10000      | 95            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Antimony  | 4900           | 5000       | 98            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Arsenic   | 4890           | 5000       | 98            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Barium    | 9650           | 10000      | 96            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Beryllium | 239            | 250        | 96            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Cadmium   | 2420           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Calcium   | 24000          | 25000      | 96            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Chromium  | 982            | 1000       | 98            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Copper    | 1220           | 1250       | 98            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Iron      | 4980           | 5000       | 100           | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Lead      | 4860           | 5000       | 97            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Magnesium | 23800          | 25000      | 95            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Manganese | 2430           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Potassium | 24500          | 25000      | 98            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Selenium  | 4910           | 5000       | 98            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Sodium    | 24600          | 25000      | 98            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Thallium  | 4720           | 5000       | 94            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Vanadium  | 2380           | 2500       | 95            | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
|           | Zinc      | 2490           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 15:48            | LB137889      |
| CCV04     | Aluminum  | 9930           | 10000      | 99            | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Antimony  | 5020           | 5000       | 100           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, In

SDG No.: Q3615

Contract: CORE02

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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 5010           | 5000       | 100           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Barium    | 9900           | 10000      | 99            | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Beryllium | 252            | 250        | 101           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Cadmium   | 2500           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Calcium   | 25000          | 25000      | 100           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Chromium  | 1020           | 1000       | 102           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Cobalt    | 2490           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Copper    | 1260           | 1250       | 101           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Iron      | 5170           | 5000       | 103           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Lead      | 5010           | 5000       | 100           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Magnesium | 24800          | 25000      | 99            | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Manganese | 2510           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Nickel    | 2490           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Potassium | 25300          | 25000      | 101           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Selenium  | 5040           | 5000       | 101           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Silver    | 1280           | 1250       | 102           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Sodium    | 24600          | 25000      | 99            | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Thallium  | 4710           | 5000       | 94            | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Vanadium  | 2480           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
|           | Zinc      | 2580           | 2500       | 103           | 90 - 110                  | P | 11/13/2025       | 16:36            | LB137889      |
| CCV05     | Aluminum  | 9830           | 10000      | 98            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Antimony  | 4940           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Arsenic   | 4900           | 5000       | 98            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Barium    | 9920           | 10000      | 99            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Beryllium | 245            | 250        | 98            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Cadmium   | 2420           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Calcium   | 24700          | 25000      | 99            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Chromium  | 983            | 1000       | 98            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Iron      | 4970           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Lead      | 4860           | 5000       | 97            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Magnesium | 24600          | 25000      | 98            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Manganese | 2490           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Core Environmental Consultants and Services, Inc.

SDG No.: Q3615

Contract: CORE02

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    | 2420           | 2500       | 97            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Potassium | 25200          | 25000      | 101           | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Selenium  | 4910           | 5000       | 98            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Silver    | 1230           | 1250       | 98            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Sodium    | 25800          | 25000      | 103           | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Thallium  | 4590           | 5000       | 92            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Vanadium  | 2470           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
|           | Zinc      | 2510           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 17:27            | LB137889      |
| CCV06     | Aluminum  | 9780           | 10000      | 98            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Antimony  | 4960           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Arsenic   | 4940           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Barium    | 9800           | 10000      | 98            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Beryllium | 245            | 250        | 98            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Cadmium   | 2440           | 2500       | 98            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Calcium   | 24700          | 25000      | 99            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Chromium  | 1010           | 1000       | 101           | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Cobalt    | 2450           | 2500       | 98            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Iron      | 5190           | 5000       | 104           | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Lead      | 4900           | 5000       | 98            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Magnesium | 24700          | 25000      | 99            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Manganese | 2490           | 2500       | 100           | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Nickel    | 2440           | 2500       | 98            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Potassium | 31800          | 25000      | 127           | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Selenium  | 4940           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Silver    | 1260           | 1250       | 101           | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Sodium    | 37900          | 25000      | 152           | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Thallium  | 4580           | 5000       | 92            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
| CCV07     | Vanadium  | 2450           | 2500       | 98            | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Zinc      | 2580           | 2500       | 103           | 90 - 110                  | P | 11/13/2025       | 18:17            | LB137889      |
|           | Aluminum  | 9900           | 10000      | 99            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Antimony  | 5020           | 5000       | 100           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Arsenic   | 5010           | 5000       | 100           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Barium    | 9930           | 10000      | 99            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Core Environmental Consultants and Services, Inc

**SDG No.:** Q3615

**Contract:** CORE02

**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 | 248            | 250        | 99            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Cadmium   | 2470           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Calcium   | 25000          | 25000      | 100           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Chromium  | 1010           | 1000       | 101           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Cobalt    | 2480           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Copper    | 1260           | 1250       | 100           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Iron      | 5130           | 5000       | 103           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Lead      | 4960           | 5000       | 99            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Magnesium | 24900          | 25000      | 100           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Manganese | 2530           | 2500       | 101           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Nickel    | 2470           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Potassium | 33000          | 25000      | 132           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Selenium  | 4990           | 5000       | 100           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Silver    | 1270           | 1250       | 101           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Sodium    | 41600          | 25000      | 166           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Thallium  | 4530           | 5000       | 91            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Vanadium  | 2470           | 2500       | 99            | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |
|           | Zinc      | 2610           | 2500       | 104           | 90 - 110                  | P | 11/13/2025       | 18:38            | LB137889      |

**Metals**

- 2b -

**CRDL STANDARD FOR AA & ICP**

**Client:** Core Environmental Consultants and Services, Inc.

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

**Initial Calibration Source:**

**Continuing Calibration Source:**

| Sample ID    | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|--------------|-----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| <b>CRA</b>   | Mercury   | 0.15           | 0.2                | 75            | 70 - 130                  | CV | 11/13/2025       | 11:53            | lb137881      |
| <b>CRI01</b> | Aluminum  | 94.7           | 100                | 95            | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Antimony  | 48.2           | 50.0               | 96            | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Arsenic   | 22.3           | 20.0               | 111           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Barium    | 104            | 100                | 104           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Beryllium | 6.50           | 6.0                | 108           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Cadmium   | 6.14           | 6.0                | 102           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Calcium   | 2160           | 2000               | 108           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Chromium  | 10.3           | 10.0               | 103           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Cobalt    | 30.6           | 30.0               | 102           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Copper    | 22.9           | 20.0               | 115           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Iron      | 89.0           | 100                | 89            | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Lead      | 14.4           | 12.0               | 120           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Magnesium | 2190           | 2000               | 109           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Manganese | 21.2           | 20.0               | 106           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Nickel    | 41.1           | 40.0               | 103           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Potassium | 2030           | 2000               | 102           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Selenium  | 25.8           | 20.0               | 129           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Silver    | 11.5           | 10.0               | 115           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Sodium    | 1750           | 2000               | 88            | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Thallium  | 36.7           | 40.0               | 92            | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Vanadium  | 38.9           | 40.0               | 97            | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |
|              | Zinc      | 42.5           | 40.0               | 106           | 65 - 135                  | P  | 11/13/2025       | 13:25            | LB137889      |



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

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Core Environmental Consultants and Services, Inc.

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| ICB113    | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 11/13/2025       | 11:46            | lb137881      |

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Core Environmental Consultants and Services, Inc.

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB72     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 11/13/2025       | 11:50            | lb137881      |
| CCB73     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 11/13/2025       | 12:23            | lb137881      |
| CCB74     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 11/13/2025       | 12:45            | lb137881      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Core Environmental Consultants and Services, Inc.

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | Aluminum  | 11.3           | +/-50               | U            | 100  | P | 11/13/2025       | 13:21            | LB137889      |
|           | Antimony  | 6.76           | +/-25               | U            | 50.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Arsenic   | 5.12           | +/-10               | U            | 20.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Barium    | 14.6           | +/-50               | U            | 100  | P | 11/13/2025       | 13:21            | LB137889      |
|           | Beryllium | 0.56           | +/-3                | U            | 6.00 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Cadmium   | 0.50           | +/-3                | U            | 6.00 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Calcium   | 234            | +/-1000             | U            | 2000 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Chromium  | 2.12           | +/-5                | U            | 10.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Cobalt    | 2.26           | +/-15               | U            | 30.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Copper    | 4.60           | +/-10               | U            | 20.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Iron      | 23.4           | +/-50               | U            | 100  | P | 11/13/2025       | 13:21            | LB137889      |
|           | Lead      | 2.30           | +/-6                | U            | 12.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Magnesium | 244            | +/-1000             | U            | 2000 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Manganese | 5.94           | +/-10               | U            | 20.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Potassium | 918            | +/-1000             | U            | 2000 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Sodium    | 868            | +/-1000             | U            | 2000 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 11/13/2025       | 13:21            | LB137889      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 11/13/2025       | 13:21            | LB137889      |

## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Core Environmental Consultants and Services, Inc.

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB01     | Aluminum  | 11.3           | +/-50               | U            | 100  | P | 11/13/2025       | 13:50            | LB137889      |
|           | Antimony  | 6.76           | +/-25               | U            | 50.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Arsenic   | 5.12           | +/-10               | U            | 20.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Barium    | 14.6           | +/-50               | U            | 100  | P | 11/13/2025       | 13:50            | LB137889      |
|           | Beryllium | 0.56           | +/-3                | U            | 6.00 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Cadmium   | 0.50           | +/-3                | U            | 6.00 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Calcium   | 234            | +/-1000             | U            | 2000 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Chromium  | 2.12           | +/-5                | U            | 10.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Cobalt    | 2.26           | +/-15               | U            | 30.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Copper    | 4.60           | +/-10               | U            | 20.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Iron      | 23.4           | +/-50               | U            | 100  | P | 11/13/2025       | 13:50            | LB137889      |
|           | Lead      | 2.30           | +/-6                | U            | 12.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Magnesium | 244            | +/-1000             | U            | 2000 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Manganese | 5.94           | +/-10               | U            | 20.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Potassium | 918            | +/-1000             | U            | 2000 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Sodium    | 868            | +/-1000             | U            | 2000 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 11/13/2025       | 13:50            | LB137889      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 11/13/2025       | 13:50            | LB137889      |
| CCB02     | Aluminum  | 11.3           | +/-50               | U            | 100  | P | 11/13/2025       | 14:39            | LB137889      |
|           | Antimony  | 6.76           | +/-25               | U            | 50.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Arsenic   | 5.12           | +/-10               | U            | 20.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Barium    | 14.6           | +/-50               | U            | 100  | P | 11/13/2025       | 14:39            | LB137889      |
|           | Beryllium | 0.56           | +/-3                | U            | 6.00 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Cadmium   | 0.50           | +/-3                | U            | 6.00 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Calcium   | 234            | +/-1000             | U            | 2000 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Chromium  | 2.12           | +/-5                | U            | 10.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Cobalt    | 2.26           | +/-15               | U            | 30.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Copper    | 4.60           | +/-10               | U            | 20.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Iron      | 23.4           | +/-50               | U            | 100  | P | 11/13/2025       | 14:39            | LB137889      |
|           | Lead      | 2.30           | +/-6                | U            | 12.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Magnesium | 244            | +/-1000             | U            | 2000 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Manganese | 5.94           | +/-10               | U            | 20.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Potassium | 918            | +/-1000             | U            | 2000 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 11/13/2025       | 14:39            | LB137889      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Core Environmental Consultants and Services, Inc.

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB02     | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Sodium    | 868            | +/-1000             | U            | 2000 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 11/13/2025       | 14:39            | LB137889      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 11/13/2025       | 14:39            | LB137889      |
| CCB03     | Aluminum  | 11.3           | +/-50               | U            | 100  | P | 11/13/2025       | 15:51            | LB137889      |
|           | Antimony  | 6.76           | +/-25               | U            | 50.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Arsenic   | 5.12           | +/-10               | U            | 20.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Barium    | 14.6           | +/-50               | U            | 100  | P | 11/13/2025       | 15:51            | LB137889      |
|           | Beryllium | 0.56           | +/-3                | U            | 6.00 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Cadmium   | 0.50           | +/-3                | U            | 6.00 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Calcium   | 234            | +/-1000             | U            | 2000 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Chromium  | 2.12           | +/-5                | U            | 10.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Cobalt    | 2.26           | +/-15               | U            | 30.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Copper    | 4.60           | +/-10               | U            | 20.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Iron      | 23.4           | +/-50               | U            | 100  | P | 11/13/2025       | 15:51            | LB137889      |
|           | Lead      | 2.30           | +/-6                | U            | 12.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Magnesium | 244            | +/-1000             | U            | 2000 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Manganese | 5.94           | +/-10               | U            | 20.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Potassium | 918            | +/-1000             | U            | 2000 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Sodium    | 868            | +/-1000             | U            | 2000 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 11/13/2025       | 15:51            | LB137889      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 11/13/2025       | 15:51            | LB137889      |
| CCB04     | Aluminum  | 11.3           | +/-50               | U            | 100  | P | 11/13/2025       | 16:40            | LB137889      |
|           | Antimony  | 6.76           | +/-25               | U            | 50.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Arsenic   | 5.12           | +/-10               | U            | 20.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Barium    | 14.6           | +/-50               | U            | 100  | P | 11/13/2025       | 16:40            | LB137889      |
|           | Beryllium | 0.56           | +/-3                | U            | 6.00 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Cadmium   | 0.50           | +/-3                | U            | 6.00 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Calcium   | 234            | +/-1000             | U            | 2000 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Chromium  | 2.12           | +/-5                | U            | 10.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Cobalt    | 2.26           | +/-15               | U            | 30.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Copper    | 4.60           | +/-10               | U            | 20.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Iron      | 23.4           | +/-50               | U            | 100  | P | 11/13/2025       | 16:40            | LB137889      |
|           | Lead      | 2.30           | +/-6                | U            | 12.0 | P | 11/13/2025       | 16:40            | LB137889      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Core Environmental Consultants and Services, Inc.

SDG No.: Q3615

Contract: CORE02

Lab Code: ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB04     | Magnesium | 244            | +/-1000             | U            | 2000 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Manganese | 5.94           | +/-10               | U            | 20.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Potassium | 918            | +/-1000             | U            | 2000 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Sodium    | 868            | +/-1000             | U            | 2000 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 11/13/2025       | 16:40            | LB137889      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 11/13/2025       | 16:40            | LB137889      |
| CCB05     | Aluminum  | 12.4           | +/-50               | J            | 100  | P | 11/13/2025       | 17:31            | LB137889      |
|           | Antimony  | 6.76           | +/-25               | U            | 50.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Arsenic   | 5.12           | +/-10               | U            | 20.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Barium    | 14.6           | +/-50               | U            | 100  | P | 11/13/2025       | 17:31            | LB137889      |
|           | Beryllium | 0.56           | +/-3                | U            | 6.00 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Cadmium   | 0.50           | +/-3                | U            | 6.00 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Calcium   | 234            | +/-1000             | U            | 2000 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Chromium  | 2.12           | +/-5                | U            | 10.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Cobalt    | 2.26           | +/-15               | U            | 30.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Copper    | 4.60           | +/-10               | U            | 20.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Iron      | 23.4           | +/-50               | U            | 100  | P | 11/13/2025       | 17:31            | LB137889      |
|           | Lead      | 2.30           | +/-6                | U            | 12.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Magnesium | 244            | +/-1000             | U            | 2000 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Manganese | 5.94           | +/-10               | U            | 20.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Potassium | 918            | +/-1000             | U            | 2000 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Sodium    | 868            | +/-1000             | U            | 2000 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 11/13/2025       | 17:31            | LB137889      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 11/13/2025       | 17:31            | LB137889      |
| CCB06     | Aluminum  | 11.3           | +/-50               | U            | 100  | P | 11/13/2025       | 18:25            | LB137889      |
|           | Antimony  | 6.76           | +/-25               | U            | 50.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Arsenic   | 5.12           | +/-10               | U            | 20.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Barium    | 14.6           | +/-50               | U            | 100  | P | 11/13/2025       | 18:25            | LB137889      |
|           | Beryllium | 0.56           | +/-3                | U            | 6.00 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Cadmium   | 0.50           | +/-3                | U            | 6.00 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Calcium   | 234            | +/-1000             | U            | 2000 | P | 11/13/2025       | 18:25            | LB137889      |

## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Core Environmental Consultants and Services, Inc.

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB06     | Chromium  | 2.12           | +/-5                | U            | 10.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Cobalt    | 2.26           | +/-15               | U            | 30.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Copper    | 4.60           | +/-10               | U            | 20.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Iron      | 23.4           | +/-50               | U            | 100  | P | 11/13/2025       | 18:25            | LB137889      |
|           | Lead      | 2.30           | +/-6                | U            | 12.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Magnesium | 244            | +/-1000             | U            | 2000 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Manganese | 5.94           | +/-10               | U            | 20.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Potassium | 4510           | +/-1000             | *            | 2000 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Sodium    | 7060           | +/-1000             | *            | 2000 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 11/13/2025       | 18:25            | LB137889      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 11/13/2025       | 18:25            | LB137889      |
| CCB07     | Aluminum  | 11.3           | +/-50               | U            | 100  | P | 11/13/2025       | 18:42            | LB137889      |
|           | Antimony  | 6.76           | +/-25               | U            | 50.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Arsenic   | 5.12           | +/-10               | U            | 20.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Barium    | 14.6           | +/-50               | U            | 100  | P | 11/13/2025       | 18:42            | LB137889      |
|           | Beryllium | 0.56           | +/-3                | U            | 6.00 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Cadmium   | 0.50           | +/-3                | U            | 6.00 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Calcium   | 234            | +/-1000             | U            | 2000 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Chromium  | 2.12           | +/-5                | U            | 10.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Cobalt    | 2.26           | +/-15               | U            | 30.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Copper    | 4.60           | +/-10               | U            | 20.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Iron      | 23.4           | +/-50               | U            | 100  | P | 11/13/2025       | 18:42            | LB137889      |
|           | Lead      | 3.19           | +/-6                | J            | 12.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Magnesium | 244            | +/-1000             | U            | 2000 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Manganese | 5.94           | +/-10               | U            | 20.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Potassium | 7050           | +/-1000             | *            | 2000 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Sodium    | 11500          | +/-1000             | *            | 2000 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 11/13/2025       | 18:42            | LB137889      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 11/13/2025       | 18:42            | LB137889      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** Core Environmental Consultants and Services, **SDG No.:** Q3615

**Instrument:** CV1

| Sample ID         | Analyte | Result<br>(mg/Kg) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>mg/Kg   | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|---------|-------------------|---------------------|----------------------|-----------------|----|-------------------|-------------------|----------|
| <b>PB170524BL</b> |         | <b>SOLID</b>      |                     | <b>Batch Number:</b> | <b>PB170524</b> |    | <b>Prep Date:</b> | <b>11/12/2025</b> |          |
|                   | Mercury | 0.0070            | <0.013              | U                    | 0.013           | CV | 11/13/2025        | 11:59             | lb137881 |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** Core Environmental Consultants and Services, **SDG No.:** Q3615

**Instrument:** P4

| Sample ID         | Analyte      | Result<br>(mg/Kg) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>mg/Kg   | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|-------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB170522BL</b> | <b>SOLID</b> |                   |                     | <b>Batch Number:</b> | <b>PB170522</b> |   | <b>Prep Date:</b> | <b>11/13/2025</b> |          |
|                   | Aluminum     | 0.84              | <2.5                | U                    | 5.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Antimony     | 0.22              | <1.25               | U                    | 2.50            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Arsenic      | 0.19              | <0.5                | U                    | 1.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Barium       | 0.73              | <2.5                | U                    | 5.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Beryllium    | 0.025             | <0.15               | U                    | 0.30            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Cadmium      | 0.024             | <0.15               | U                    | 0.30            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Calcium      | 11.1              | <50                 | U                    | 100             | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Chromium     | 0.047             | <0.25               | U                    | 0.50            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Cobalt       | 0.10              | <0.75               | U                    | 1.50            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Copper       | 0.22              | <0.5                | U                    | 1.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Iron         | 3.99              | <2.5                | U                    | 5.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Lead         | 0.13              | <0.3                | U                    | 0.60            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Magnesium    | 12.0              | <50                 | U                    | 100             | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Manganese    | 0.14              | <0.5                | U                    | 1.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Nickel       | 0.13              | <1                  | U                    | 2.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Potassium    | 27.7              | <50                 | U                    | 100             | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Selenium     | 0.26              | <0.5                | U                    | 1.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Silver       | 0.12              | <0.25               | U                    | 0.50            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Sodium       | 17.8              | <50                 | U                    | 100             | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Thallium     | 0.23              | <1                  | U                    | 2.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Vanadium     | 0.25              | <1                  | U                    | 2.00            | P | 11/13/2025        | 13:54             | LB137889 |
|                   | Zinc         | 0.23              | <1                  | U                    | 2.00            | P | 11/13/2025        | 13:54             | LB137889 |

**Metals**  
- 4 -  
**INTERFERENCE CHECK SAMPLE**

**Client:** Core Environmental Consultants and Services, Inc. **SDG No.:** Q3615  
**Contract:** CORE02 **Lab Code:** ACE  
**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Aluminum  | 243000         | 255000             | 95            | 216000                 | 294000                  | 11/13/2025       | 13:29            | LB137889      |
|           | Antimony  | -7.94          |                    |               | -50                    | 50                      | 11/13/2025       | 13:29            | LB137889      |
|           | Arsenic   | 7.42           |                    |               | -20                    | 20                      | 11/13/2025       | 13:29            | LB137889      |
|           | Barium    | 2.85           | 6.0                | 48            | -94                    | 106                     | 11/13/2025       | 13:29            | LB137889      |
|           | Beryllium | 1.32           |                    |               | -6                     | 6                       | 11/13/2025       | 13:29            | LB137889      |
|           | Cadmium   | -0.18          | 1.0                | 18            | -5                     | 7                       | 11/13/2025       | 13:29            | LB137889      |
|           | Calcium   | 236000         | 245000             | 96            | 208000                 | 282000                  | 11/13/2025       | 13:29            | LB137889      |
|           | Chromium  | 49.7           | 52.0               | 96            | 42                     | 62                      | 11/13/2025       | 13:29            | LB137889      |
|           | Cobalt    | 1.40           |                    |               | -30                    | 30                      | 11/13/2025       | 13:29            | LB137889      |
|           | Copper    | 2.75           | 2.0                | 138           | -18                    | 22                      | 11/13/2025       | 13:29            | LB137889      |
|           | Iron      | 102000         | 101000             | 101           | 85600                  | 116500                  | 11/13/2025       | 13:29            | LB137889      |
|           | Lead      | -8.14          |                    |               | -12                    | 12                      | 11/13/2025       | 13:29            | LB137889      |
|           | Magnesium | 245000         | 255000             | 96            | 216000                 | 294000                  | 11/13/2025       | 13:29            | LB137889      |
|           | Manganese | 9.02           | 7.0                | 129           | -13                    | 27                      | 11/13/2025       | 13:29            | LB137889      |
|           | Nickel    | 6.06           | 2.0                | 303           | -38                    | 42                      | 11/13/2025       | 13:29            | LB137889      |
|           | Potassium | -59.2          |                    |               | 0                      | 0                       | 11/13/2025       | 13:29            | LB137889      |
|           | Selenium  | -5.23          |                    |               | -20                    | 20                      | 11/13/2025       | 13:29            | LB137889      |
|           | Silver    | 6.89           |                    |               | -10                    | 10                      | 11/13/2025       | 13:29            | LB137889      |
|           | Sodium    | -251           |                    |               | 0                      | 0                       | 11/13/2025       | 13:29            | LB137889      |
|           | Thallium  | 8.92           |                    |               | -40                    | 40                      | 11/13/2025       | 13:29            | LB137889      |
|           | Vanadium  | 5.94           |                    |               | -40                    | 40                      | 11/13/2025       | 13:29            | LB137889      |
|           | Zinc      | 1.59           |                    |               | -40                    | 40                      | 11/13/2025       | 13:29            | LB137889      |
| ICSAB01   | Aluminum  | 242000         | 247000             | 98            | 209000                 | 285000                  | 11/13/2025       | 13:33            | LB137889      |
|           | Antimony  | 585            | 618                | 95            | 525                    | 711                     | 11/13/2025       | 13:33            | LB137889      |
|           | Arsenic   | 110            | 104                | 106           | 88.4                   | 120                     | 11/13/2025       | 13:33            | LB137889      |
|           | Barium    | 495            | 537                | 92            | 437                    | 637                     | 11/13/2025       | 13:33            | LB137889      |
|           | Beryllium | 505            | 495                | 102           | 420                    | 570                     | 11/13/2025       | 13:33            | LB137889      |
|           | Cadmium   | 982            | 972                | 101           | 826                    | 1120                    | 11/13/2025       | 13:33            | LB137889      |
|           | Calcium   | 234000         | 235000             | 100           | 199000                 | 271000                  | 11/13/2025       | 13:33            | LB137889      |
|           | Chromium  | 555            | 542                | 102           | 460                    | 624                     | 11/13/2025       | 13:33            | LB137889      |
|           | Cobalt    | 499            | 476                | 105           | 404                    | 548                     | 11/13/2025       | 13:33            | LB137889      |
|           | Copper    | 487            | 511                | 95            | 434                    | 588                     | 11/13/2025       | 13:33            | LB137889      |
|           | Iron      | 101000         | 99300              | 102           | 84400                  | 114500                  | 11/13/2025       | 13:33            | LB137889      |
|           | Lead      | 42.2           | 49.0               | 86            | 37                     | 61                      | 11/13/2025       | 13:33            | LB137889      |
|           | Magnesium | 243000         | 248000             | 98            | 210000                 | 286000                  | 11/13/2025       | 13:33            | LB137889      |
|           | Manganese | 499            | 507                | 98            | 430                    | 584                     | 11/13/2025       | 13:33            | LB137889      |
|           | Nickel    | 1000           | 954                | 105           | 810                    | 1100                    | 11/13/2025       | 13:33            | LB137889      |
|           | Potassium | -154           |                    |               | 0                      | 0                       | 11/13/2025       | 13:33            | LB137889      |
|           | Selenium  | 54.7           | 46.0               | 119           | 26                     | 66                      | 11/13/2025       | 13:33            | LB137889      |
|           | Silver    | 204            | 201                | 102           | 170                    | 232                     | 11/13/2025       | 13:33            | LB137889      |
|           | Sodium    | -395           |                    |               | 0                      | 0                       | 11/13/2025       | 13:33            | LB137889      |
|           | Thallium  | 111            | 108                | 103           | 68                     | 148                     | 11/13/2025       | 13:33            | LB137889      |

**Metals**

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**INTERFERENCE CHECK SAMPLE**

|                    |                                                          |                       |              |
|--------------------|----------------------------------------------------------|-----------------------|--------------|
| <b>Client:</b>     | <u>Core Environmental Consultants and Services, Inc.</u> | <b>SDG No.:</b>       | <u>Q3615</u> |
| <b>Contract:</b>   | <u>CORE02</u>                                            | <b>Lab Code:</b>      | <u>ACE</u>   |
| <b>ICS Source:</b> | <u>EPA</u>                                               | <b>Instrument ID:</b> | <u>P4</u>    |

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Vanadium | 483            | 491                | 98            | 417                    | 565                     | 11/13/2025       | 13:33            | LB137889      |
|           | Zinc     | 1010           | 952                | 106           | 809                    | 1095                    | 11/13/2025       | 13:33            | LB137889      |



# METAL QC DATA

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                                                  |                                   |                                              |
|------------------------------------------------------------------|-----------------------------------|----------------------------------------------|
| <b>client:</b> <u>Core Environmental Consultants and Service</u> | <b>level:</b> <u>low</u>          | <b>sdg no.:</b> <u>Q3615</u>                 |
| <b>contract:</b> <u>CORE02</u>                                   |                                   | <b>lab code:</b> <u>ACE</u>                  |
| <b>matrix:</b> <u>Solid</u>                                      | <b>sample id:</b> <u>Q3609-01</u> | <b>client id:</b> <u>AU-713-COMP-01MS</u>    |
| <b>Percent Solids for Sample:</b> 81.6                           | <b>Spiked ID:</b> Q3609-01MS      | <b>Percent Solids for Spike Sample:</b> 81.6 |

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | mg/Kg | 75 - 125               | 9560             |   | 7160             |   | 110            | 2187          |      | P |
| Antimony  | mg/Kg | 75 - 125               | 21.3             |   | 2.76             | U | 43.6           | 49            | N    | P |
| Arsenic   | mg/Kg | 75 - 125               | 50.8             |   | 8.78             |   | 43.6           | 96            |      | P |
| Barium    | mg/Kg | 75 - 125               | 33.1             |   | 22.2             |   | 10.9           | 99            |      | P |
| Beryllium | mg/Kg | 75 - 125               | 9.97             |   | 0.71             |   | 10.9           | 85            |      | P |
| Cadmium   | mg/Kg | 75 - 125               | 9.82             |   | 0.33             | U | 10.9           | 90            |      | P |
| Calcium   | mg/Kg | 75 - 125               | 2230             |   | 1800             |   | 54.5           | 789           |      | P |
| Chromium  | mg/Kg | 75 - 125               | 45.0             |   | 20.3             |   | 21.8           | 113           |      | P |
| Cobalt    | mg/Kg | 75 - 125               | 14.6             |   | 2.80             |   | 10.9           | 108           |      | P |
| Copper    | mg/Kg | 75 - 125               | 22.2             |   | 7.01             |   | 16.3           | 93            |      | P |
| Iron      | mg/Kg | 75 - 125               | 35800            |   | 22000            |   | 160            | 8621          |      | P |
| Lead      | mg/Kg | 75 - 125               | 62.6             |   | 14.0             |   | 54.5           | 89            |      | P |
| Magnesium | mg/Kg | 75 - 125               | 1510             |   | 1230             |   | 110            | 258           |      | P |
| Manganese | mg/Kg | 75 - 125               | 60.9             |   | 46.1             |   | 10.9           | 136           |      | P |
| Nickel    | mg/Kg | 75 - 125               | 34.3             |   | 6.05             |   | 27.2           | 104           |      | P |
| Potassium | mg/Kg | 75 - 125               | 3380             |   | 1840             |   | 540            | 287           | N    | P |
| Selenium  | mg/Kg | 75 - 125               | 80.3             |   | 1.10             | U | 110            | 73            | N    | P |
| Silver    | mg/Kg | 75 - 125               | 5.52             |   | 1.21             |   | 4.1            | 105           |      | P |
| Sodium    | mg/Kg | 75 - 125               | 462              |   | 147              |   | 160            | 196           | N    | P |
| Thallium  | mg/Kg | 75 - 125               | 96.5             |   | 2.21             | U | 110            | 88            |      | P |
| Vanadium  | mg/Kg | 75 - 125               | 69.5             |   | 37.6             |   | 16.3           | 195           | N    | P |
| Zinc      | mg/Kg | 75 - 125               | 46.3             |   | 30.0             |   | 10.9           | 150           | N    | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

**client:** Core Environmental Consultants and Service    **level:** low    **sdg no.:** Q3615  
**contract:** CORE02    **lab code:** ACE  
**matrix:** Solid    **sample id:** Q3609-01    **client id:** AU-713-COMP-01MSD  
**Percent Solids for Sample:** 81.6    **Spiked ID:** Q3609-01MSD    **Percent Solids for Spike Sample:** 81.6

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | mg/Kg | 75 - 125               | 8260          |   | 7160             |   | 110            | 1001          |      | P |
| Antimony  | mg/Kg | 75 - 125               | 20.2          |   | 2.76             | U | 42.6           | 47            | N    | P |
| Arsenic   | mg/Kg | 75 - 125               | 46.1          |   | 8.78             |   | 42.6           | 88            |      | P |
| Barium    | mg/Kg | 75 - 125               | 28.8          |   | 22.2             |   | 10.7           | 61            | N    | P |
| Beryllium | mg/Kg | 75 - 125               | 9.87          |   | 0.71             |   | 10.7           | 86            |      | P |
| Cadmium   | mg/Kg | 75 - 125               | 9.61          |   | 0.33             | U | 10.7           | 90            |      | P |
| Calcium   | mg/Kg | 75 - 125               | 1930          |   | 1800             |   | 53.3           | 239           |      | P |
| Chromium  | mg/Kg | 75 - 125               | 42.8          |   | 20.3             |   | 21.3           | 105           |      | P |
| Cobalt    | mg/Kg | 75 - 125               | 13.1          |   | 2.80             |   | 10.7           | 96            |      | P |
| Copper    | mg/Kg | 75 - 125               | 20.2          |   | 7.01             |   | 16.0           | 82            |      | P |
| Iron      | mg/Kg | 75 - 125               | 28300         |   | 22000            |   | 160            | 3911          |      | P |
| Lead      | mg/Kg | 75 - 125               | 59.2          |   | 14.0             |   | 53.3           | 85            |      | P |
| Magnesium | mg/Kg | 75 - 125               | 1300          |   | 1230             |   | 110            | 65            |      | P |
| Manganese | mg/Kg | 75 - 125               | 46.8          |   | 46.1             |   | 10.7           | 7             |      | P |
| Nickel    | mg/Kg | 75 - 125               | 31.8          |   | 6.05             |   | 26.6           | 97            |      | P |
| Potassium | mg/Kg | 75 - 125               | 2770          |   | 1840             |   | 530            | 176           | N    | P |
| Selenium  | mg/Kg | 75 - 125               | 80.9          |   | 1.10             | U | 110            | 74            | N    | P |
| Silver    | mg/Kg | 75 - 125               | 5.03          |   | 1.21             |   | 4.0            | 95            |      | P |
| Sodium    | mg/Kg | 75 - 125               | 361           |   | 147              |   | 160            | 134           | N    | P |
| Thallium  | mg/Kg | 75 - 125               | 98.8          |   | 2.21             | U | 110            | 90            |      | P |
| Vanadium  | mg/Kg | 75 - 125               | 59.6          |   | 37.6             |   | 16.0           | 137           | N    | P |
| Zinc      | mg/Kg | 75 - 125               | 37.6          |   | 30.0             |   | 10.7           | 71            | N    | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                                                  |                                   |                                              |
|------------------------------------------------------------------|-----------------------------------|----------------------------------------------|
| <b>client:</b> <u>Core Environmental Consultants and Service</u> | <b>level:</b> <u>low</u>          | <b>sdg no.:</b> <u>Q3615</u>                 |
| <b>contract:</b> <u>CORE02</u>                                   |                                   | <b>lab code:</b> <u>ACE</u>                  |
| <b>matrix:</b> <u>Solid</u>                                      | <b>sample id:</b> <u>Q3614-03</u> | <b>client id:</b> <u>COMP-3MS</u>            |
| <b>Percent Solids for Sample:</b> 83.5                           | <b>Spiked ID:</b> Q3614-03MS      | <b>Percent Solids for Spike Sample:</b> 83.5 |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | mg/Kg | 80 - 120               | 0.32             |   | 0.091            |   | 0.29           | 78            | N    | CV |

metals  
- 5a -  
MATRIX SPIKE DUPLICATE SUMMARY

client: Core Environmental Consultants and Service level: low sdg no.: Q3615  
contract: CORE02 lab code: ACE  
matrix: Solid sample id: Q3614-03 client id: COMP-3MSD

Percent Solids for Sample: 83.5 Spiked ID: Q3614-03MSD Percent Solids for Spike Sample: 83.5

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | mg/Kg | 80 - 120               | 0.33          |   | 0.091            |   | 0.29           | 82            |      | CV |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

|                   |                                                   |                   |                  |
|-------------------|---------------------------------------------------|-------------------|------------------|
| <b>Client:</b>    | <u>Core Environmental Consultants and Service</u> | <b>SDG No.:</b>   | <u>Q3615</u>     |
| <b>Contract:</b>  | <u>CORE02</u>                                     | <b>Lab Code:</b>  | <u>ACE</u>       |
| <b>Matrix:</b>    | <u>Solid</u>                                      | <b>Level:</b>     | <u>LOW</u>       |
| <b>Sample ID:</b> | <u>Q3609-01</u>                                   | <b>Spiked ID:</b> | <u>Q3609-01A</u> |

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Antimony  | mg/Kg | 75 - 125               | 36.2             |   | 2.76             | U | 44.2           | 82            |      | P |
| Barium    | mg/Kg | 75 - 125               | 31.5             |   | 22.2             |   | 11.0           | 84            |      | P |
| Potassium | mg/Kg | 75 - 125               | 2320             |   | 1840             |   | 550            | 89            |      | P |
| Selenium  | mg/Kg | 75 - 125               | 90.8             |   | 1.10             | U | 110            | 82            |      | P |
| Sodium    | mg/Kg | 75 - 125               | 297              |   | 147              |   | 170            | 88            |      | P |
| Vanadium  | mg/Kg | 75 - 125               | 51.8             |   | 37.6             |   | 16.6           | 85            |      | P |
| Zinc      | mg/Kg | 75 - 125               | 39.7             |   | 30.0             |   | 11.0           | 89            |      | P |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

**Client:** Core Environmental Consultants and Servic **SDG No.:** Q3615  
**Contract:** CORE02 **Lab Code:** ACE  
**Matrix:** Solid **Level:** LOW **Client ID:** COMP-3A  
**Sample ID:** Q3614-03 **Spiked ID:** Q3614-03A

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | mg/Kg | 80 - 120               | 0.40             |   | 0.091            |   | 0.30           | 102           |      | CV |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** Core Environmental Consultants and Service **Level:** LOW **SDG No.:** Q3615  
**Contract:** CORE02 **Lab Code:** ACE  
**Matrix:** Solid **Sample ID:** Q3609-01 **Client ID:** AU-713-COMP-01DUP  
**Percent Solids for Sample:** 81.6 **Duplicate ID** Q3609-01DUP **Percent Solids for Spike Sample:** 81.6

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | mg/Kg | 20               | 7160          |   | 6370             |   | 12  |      | P |
| Antimony  | mg/Kg | 20               | 2.76          | U | 2.50             | U |     |      | P |
| Arsenic   | mg/Kg | 20               | 8.78          |   | 7.59             |   | 15  |      | P |
| Barium    | mg/Kg | 20               | 22.2          |   | 19.9             |   | 11  |      | P |
| Beryllium | mg/Kg | 20               | 0.71          |   | 0.63             |   | 11  |      | P |
| Cadmium   | mg/Kg | 20               | 0.33          | U | 0.30             | U |     |      | P |
| Calcium   | mg/Kg | 20               | 1800          |   | 1590             |   | 12  |      | P |
| Chromium  | mg/Kg | 20               | 20.3          |   | 18.0             |   | 12  |      | P |
| Cobalt    | mg/Kg | 20               | 2.80          |   | 2.52             |   | 11  |      | P |
| Copper    | mg/Kg | 20               | 7.01          |   | 6.03             |   | 15  |      | P |
| Iron      | mg/Kg | 20               | 22000         |   | 19900            |   | 10  |      | P |
| Lead      | mg/Kg | 20               | 14.0          |   | 12.5             |   | 11  |      | P |
| Magnesium | mg/Kg | 20               | 1230          |   | 1090             |   | 12  |      | P |
| Manganese | mg/Kg | 20               | 46.1          |   | 41.0             |   | 12  |      | P |
| Nickel    | mg/Kg | 20               | 6.05          |   | 5.36             |   | 12  |      | P |
| Potassium | mg/Kg | 20               | 1840          |   | 1650             |   | 11  |      | P |
| Selenium  | mg/Kg | 20               | 1.10          | U | 1.00             | U |     |      | P |
| Silver    | mg/Kg | 20               | 1.21          |   | 1.08             |   | 11  |      | P |
| Sodium    | mg/Kg | 20               | 147           |   | 125              |   | 16  |      | P |
| Thallium  | mg/Kg | 20               | 2.21          | U | 2.00             | U |     |      | P |
| Vanadium  | mg/Kg | 20               | 37.6          |   | 33.7             |   | 11  |      | P |
| Zinc      | mg/Kg | 20               | 30.0          |   | 26.0             |   | 14  |      | P |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** Core Environmental Consultants and Service **Level:** LOW **SDG No.:** Q3615  
**Contract:** CORE02 **Lab Code:** ACE  
**Matrix:** Solid **Sample ID:** Q3609-01MS **Client ID:** AU-713-COMP-01MSD  
**Percent Solids for Sample:** 81.6 **Duplicate ID** Q3609-01MSD **Percent Solids for Spike Sample:** 81.6

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | mg/Kg | 20               | 9560          |   | 8260             |   | 15  |      | P |
| Antimony  | mg/Kg | 20               | 21.3          |   | 20.2             |   | 5   |      | P |
| Arsenic   | mg/Kg | 20               | 50.8          |   | 46.1             |   | 10  |      | P |
| Barium    | mg/Kg | 20               | 33.1          |   | 28.8             |   | 14  |      | P |
| Beryllium | mg/Kg | 20               | 9.97          |   | 9.87             |   | 1   |      | P |
| Cadmium   | mg/Kg | 20               | 9.82          |   | 9.61             |   | 2   |      | P |
| Calcium   | mg/Kg | 20               | 2230          |   | 1930             |   | 14  |      | P |
| Chromium  | mg/Kg | 20               | 45.0          |   | 42.8             |   | 5   |      | P |
| Cobalt    | mg/Kg | 20               | 14.6          |   | 13.1             |   | 11  |      | P |
| Copper    | mg/Kg | 20               | 22.2          |   | 20.2             |   | 9   |      | P |
| Iron      | mg/Kg | 20               | 35800         |   | 28300            |   | 23  | *    | P |
| Lead      | mg/Kg | 20               | 62.6          |   | 59.2             |   | 6   |      | P |
| Magnesium | mg/Kg | 20               | 1510          |   | 1300             |   | 15  |      | P |
| Manganese | mg/Kg | 20               | 60.9          |   | 46.8             |   | 26  | *    | P |
| Nickel    | mg/Kg | 20               | 34.3          |   | 31.8             |   | 8   |      | P |
| Potassium | mg/Kg | 20               | 3380          |   | 2770             |   | 20  |      | P |
| Selenium  | mg/Kg | 20               | 80.3          |   | 80.9             |   | 1   |      | P |
| Silver    | mg/Kg | 20               | 5.52          |   | 5.03             |   | 9   |      | P |
| Sodium    | mg/Kg | 20               | 462           |   | 361              |   | 25  | *    | P |
| Thallium  | mg/Kg | 20               | 96.5          |   | 98.8             |   | 2   |      | P |
| Vanadium  | mg/Kg | 20               | 69.5          |   | 59.6             |   | 15  |      | P |
| Zinc      | mg/Kg | 20               | 46.3          |   | 37.6             |   | 21  | *    | P |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** Core Environmental Consultants and Service    **Level:** LOW    **SDG No.:** Q3615  
**Contract:** CORE02    **Lab Code:** ACE  
**Matrix:** Solid    **Sample ID:** Q3614-03    **Client ID:** COMP-3DUP  
**Percent Solids for Sample:** 83.5    **Duplicate ID** Q3614-03DUP    **Percent Solids for Spike Sample:** 83.5

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | mg/Kg | 20               | 0.091         |   | 0.085            |   | 7   |      | CV |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** Core Environmental Consultants and Service    **Level:** LOW    **SDG No.:** Q3615  
**Contract:** CORE02    **Lab Code:** ACE  
**Matrix:** Solid    **Sample ID:** Q3614-03MS    **Client ID:** COMP-3MSD  
**Percent Solids for Sample:** 83.5    **Duplicate ID** Q3614-03MSD    **Percent Solids for Spike Sample:** 83.5

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | mg/Kg | 20               | 0.32          |   | 0.33             |   | 3   |      | CV |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** Core Environmental Consultants and Service **SDG No.:** Q3615  
**Contract:** CORE02 **Lab Code:** ACE

| Analyte    | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------|-------|------------|--------|---|---------------|----------------------|---|
| PB170522BS |       |            |        |   |               |                      |   |
| Aluminum   | mg/Kg | 100        | 97.5   |   | 98            | 80 - 120             | P |
| Antimony   | mg/Kg | 40.0       | 39.0   |   | 98            | 80 - 120             | P |
| Arsenic    | mg/Kg | 40.0       | 37.9   |   | 95            | 80 - 120             | P |
| Barium     | mg/Kg | 10.0       | 9.51   |   | 95            | 80 - 120             | P |
| Beryllium  | mg/Kg | 10.0       | 9.94   |   | 99            | 80 - 120             | P |
| Cadmium    | mg/Kg | 10.0       | 9.37   |   | 94            | 80 - 120             | P |
| Calcium    | mg/Kg | 50.0       | 53.0   | J | 106           | 80 - 120             | P |
| Chromium   | mg/Kg | 20.0       | 19.8   |   | 99            | 80 - 120             | P |
| Cobalt     | mg/Kg | 10.0       | 9.62   |   | 96            | 80 - 120             | P |
| Copper     | mg/Kg | 15.0       | 15.0   |   | 100           | 80 - 120             | P |
| Iron       | mg/Kg | 150        | 153    |   | 102           | 80 - 120             | P |
| Lead       | mg/Kg | 50.0       | 46.2   |   | 92            | 80 - 120             | P |
| Magnesium  | mg/Kg | 100        | 102    |   | 102           | 80 - 120             | P |
| Manganese  | mg/Kg | 10.0       | 10.1   |   | 100           | 80 - 120             | P |
| Nickel     | mg/Kg | 25.0       | 24.1   |   | 96            | 80 - 120             | P |
| Potassium  | mg/Kg | 500        | 491    |   | 98            | 80 - 120             | P |
| Selenium   | mg/Kg | 100        | 95.0   |   | 95            | 80 - 120             | P |
| Silver     | mg/Kg | 3.8        | 3.65   |   | 96            | 80 - 120             | P |
| Sodium     | mg/Kg | 150        | 133    |   | 89            | 80 - 120             | P |
| Thallium   | mg/Kg | 100        | 95.4   |   | 95            | 80 - 120             | P |
| Vanadium   | mg/Kg | 15.0       | 14.7   |   | 98            | 80 - 120             | P |
| Zinc       | mg/Kg | 10.0       | 9.97   |   | 100           | 80 - 120             | P |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** Core Environmental Consultants and Service

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB170524BS<br>Mercury | mg/Kg | 0.26       | 0.22   |   | 83            | 80 - 120             | CV |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

SAMPLE NO.

AU-713-COMP-01L

**Lab Name:** Alliance **Contract:** CORE02  
**Lab Code:** ACE **Lb No.:** lb137889 **Lab Sample ID :** Q3609-01L **SDG No.:** Q3615  
**Matrix (soil/water):** Solid **Level (low/med):** LOW  
**Concentration Units:** mg/Kg

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Differ-<br>ence | Q | M |
|-----------|---------------------------|---|----------------------------|---|-------------------|---|---|
| Aluminum  | 7160                      |   | 7740                       |   | 8                 |   | P |
| Antimony  | 2.76                      | U | 13.8                       | U |                   |   | P |
| Arsenic   | 8.78                      |   | 8.81                       |   | 0                 |   | P |
| Barium    | 22.2                      |   | 23.1                       | J | 4                 |   | P |
| Beryllium | 0.71                      |   | 0.76                       | J | 7                 |   | P |
| Cadmium   | 0.33                      | U | 1.66                       | U |                   |   | P |
| Calcium   | 1800                      |   | 1930                       |   | 7                 |   | P |
| Chromium  | 20.3                      |   | 21.5                       |   | 6                 |   | P |
| Cobalt    | 2.80                      |   | 2.70                       | J | 3                 |   | P |
| Copper    | 7.01                      |   | 7.50                       |   | 7                 |   | P |
| Iron      | 22000                     |   | 23900                      |   | 8                 |   | P |
| Lead      | 14.0                      |   | 13.8                       |   | 2                 |   | P |
| Magnesium | 1230                      |   | 1330                       |   | 8                 |   | P |
| Manganese | 46.1                      |   | 50.3                       |   | 9                 |   | P |
| Nickel    | 6.05                      |   | 5.59                       | J | 8                 |   | P |
| Potassium | 1840                      |   | 1910                       |   | 4                 |   | P |
| Selenium  | 1.10                      | U | 5.52                       | U |                   |   | P |
| Silver    | 1.21                      |   | 1.25                       | J | 3                 |   | P |
| Sodium    | 147                       |   | 552                        | U | 100.0             |   | P |
| Thallium  | 2.21                      | U | 11.0                       | U |                   |   | P |
| Vanadium  | 37.6                      |   | 39.2                       |   | 4                 |   | P |
| Zinc      | 30.0                      |   | 31.5                       |   | 5                 |   | P |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

COMP-3L

**Lab Name:** Alliance **Contract:** CORE02  
**Lab Code:** ACE **Lb No.:** lb137881 **Lab Sample ID :** Q3614-03L **SDG No.:** Q3615  
**Matrix (soil/water):** Solid **Level (low/med):** LOW  
**Concentration Units:** mg/Kg

| Analyte | Initial Sample<br>Result (I)<br>C | Serial Dilution<br>Result (S)<br>C | % Differ-<br>ence | Q | M  |
|---------|-----------------------------------|------------------------------------|-------------------|---|----|
| Mercury | 0.091                             | 0.11                               | 16                |   | CV |



# METAL PREPARATION & INSTRUMENT DATA

**Metals**

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**ICP INTERELEMEN CORRECTION FACTORS**

**Client:** Core Environmental Consultants and Service

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |            |            |           |           |
|-----------|-------------------------|----------------------------------------|------------|------------|-----------|-----------|
|           |                         | Al                                     | Ca         | Fe         | Mg        | Ag        |
| Aluminum  | 396.100                 | 0.0000000                              | -0.0002060 | 0.0000000  | 0.0000000 | 0.0000000 |
| Antimony  | 206.833                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                              | 0.0000000  | -0.0000440 | 0.0000000 | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                              | 0.0000000  | 0.0000930  | 0.0000000 | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                              | 0.0000000  | -0.0075970 | 0.0000000 | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                              | 0.0000000  | 0.0007850  | 0.0000000 | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Lead      | 220.353                 | -0.0000920                             | 0.0000000  | 0.0000380  | 0.0000000 | 0.0000000 |
| Magnesium | 279.079                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                              | 0.0000000  | -0.0001440 | 0.0000000 | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                              | 0.0000000  | -0.0001490 | 0.0000000 | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                              | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                              | 0.0000000  | 0.0001050  | 0.0000000 | 0.0000000 |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Core Environmental Consultants and Service

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|-----------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|           |                         | As                                       | Ba        | Be        | Cd        | Co         |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Antimony  | 206.833                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870  |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Copper    | 224.700                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0009530  |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0039600 |
| Lead      | 220.353                 | 0.0000000                                | 0.0003170 | 0.0000000 | 0.0000000 | 0.0000000  |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0003570 |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0054900  |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Core Environmental Consultants and Service

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |            |            |
|-----------|-------------------------|------------------------------------------|-----------|-----------|------------|------------|
|           |                         | Cr                                       | Cu        | K         | Mn         | Mo         |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000 | 0.0000590 | 0.0000000  | 0.0396900  |
| Antimony  | 206.833                 | 0.0122000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Arsenic   | 193.759                 | -0.0029000                               | 0.0000000 | 0.0000000 | 0.0000000  | 0.0004900  |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000 | 0.0000000 | -0.0000710 | -0.0003400 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000070 | 0.0002200  | 0.0000000  |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | -0.0007860 |
| Copper    | 224.700                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0006510  | 0.0020500  |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000 | 0.0000730 | 0.0000000  | -0.0015250 |
| Lead      | 220.353                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0001400  | -0.0008600 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0007460  | 0.0000000  |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | -0.0000120 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0017400  | -0.0100400 |
| Vanadium  | 292.402                 | -0.0025100                               | 0.0000000 | 0.0000000 | 0.0000000  | -0.0072000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0009010 | 0.0000000 | 0.0000000  | 0.0000000  |

**Metals**

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**ICP INTERELEMEN CORRECTION FACTORS**

**Client:** Core Environmental Consultants and Service

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |            |           |           |           |
|-----------|-------------------------|----------------------------------------|------------|-----------|-----------|-----------|
|           |                         | Na                                     | Ni         | Pb        | Sb        | Se        |
| Aluminum  | 396.100                 | 0.0000000                              | 0.0000000  | 0.0012800 | 0.0000000 | 0.0000000 |
| Antimony  | 206.833                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                              | -0.0047000 | 0.0036100 | 0.0000000 | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                              | -0.0017000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead      | 220.353                 | 0.0000000                              | 0.0006580  | 0.0000000 | 0.0000000 | 0.0001290 |
| Magnesium | 279.079                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                              | 0.0000000  | 0.0003330 | 0.0000000 | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                              | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                              | 0.0067600  | 0.0000000 | 0.0000000 | 0.0000000 |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Core Environmental Consultants and Service

**SDG No.:** Q3615

**Contract:** CORE02

**Lab Code:** ACE

**Instrument ID:**

**Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |            |           |
|-----------|-------------------------|------------------------------------------|------------|-----------|------------|-----------|
|           |                         | Sn                                       | Ti         | Tl        | V          | Zn        |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Antimony  | 206.833                 | -0.0035600                               | -0.0007970 | 0.0000000 | -0.0018900 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000630  | 0.0001280 | 0.0000000  | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0001110  | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0018800  | 0.0000000 | 0.0000000  | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                                | 0.0003840  | 0.0000000 | 0.0000000  | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Lead      | 220.353                 | 0.0000000                                | -0.0003610 | 0.0000000 | 0.0000000  | 0.0000000 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                                | -0.0007420 | 0.0000000 | 0.0000000  | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                                | -0.0039700 | 0.0000000 | -0.0115600 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0005320  | 0.0000000 | 0.0000000  | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |

METAL  
PREPARATION &  
ANALYICAL  
SUMMARY

**Metals**

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**SAMPLE PREPARATION SUMMARY**

**Client:** Core Environmental Consultants and Service **SDG No.:** Q3615  
**Contract:** CORE02 **Lab Code:** ACE **Method:** \_\_\_\_\_

| Sample ID                     | Client ID                | Sample Type | Matrix | Prep Date  | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|--------------------------|-------------|--------|------------|------------------------|--------------------------|----------------|
| <b>Batch Number: PB170522</b> |                          |             |        |            |                        |                          |                |
| PB170522BL                    | PB170522BL               | MB          | SOLID  | 11/13/2025 | 2.00                   | 100.0                    | 100.00         |
| PB170522BS                    | PB170522BS               | LCS         | SOLID  | 11/13/2025 | 2.00                   | 100.0                    | 100.00         |
| Q3609-01DUP                   | AU-713-COMP-01DUP        | DUP         | SOLID  | 11/13/2025 | 2.45                   | 100.0                    | 81.60          |
| Q3609-01MS                    | AU-713-COMP-01MS         | MS          | SOLID  | 11/13/2025 | 2.25                   | 100.0                    | 81.60          |
| Q3609-01MSD                   | AU-713-COMP-01MSD        | MSD         | SOLID  | 11/13/2025 | 2.30                   | 100.0                    | 81.60          |
| Q3615-01                      | East Bathhouse- Concrete | SAM         | SOLID  | 11/13/2025 | 2.23                   | 100.0                    | 100.00         |

**Metals**

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**SAMPLE PREPARATION SUMMARY**

**Client:** Core Environmental Consultants and Service **SDG No.:** Q3615  
**Contract:** CORE02 **Lab Code:** ACE **Method:** \_\_\_\_\_

| Sample ID                     | Client ID                | Sample Type | Matrix | Prep Date  | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|--------------------------|-------------|--------|------------|------------------------|--------------------------|----------------|
| <b>Batch Number: PB170524</b> |                          |             |        |            |                        |                          |                |
| PB170524BL                    | PB170524BL               | MB          | SOLID  | 11/12/2025 | 0.55                   | 35.0                     | 100.00         |
| PB170524BS                    | PB170524BS               | LCS         | SOLID  | 11/12/2025 | 0.53                   | 35.0                     | 100.00         |
| Q3614-03DUP                   | COMP-3DUP                | DUP         | SOLID  | 11/12/2025 | 0.58                   | 35.0                     | 83.50          |
| Q3614-03MS                    | COMP-3MS                 | MS          | SOLID  | 11/12/2025 | 0.57                   | 35.0                     | 83.50          |
| Q3614-03MSD                   | COMP-3MSD                | MSD         | SOLID  | 11/12/2025 | 0.58                   | 35.0                     | 83.50          |
| Q3615-01                      | East Bathhouse- Concrete | SAM         | SOLID  | 11/12/2025 | 0.57                   | 35.0                     | 100.00         |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** Core Environmental Consultants and Service

**Contract:** CORE02

**Lab code:** ACE

**Sdg no.:** Q3615

**Instrument id number:** \_\_\_\_\_

**Method:** \_\_\_\_\_

**Run number:** lb137881

**Start date:** 11/13/2025

**End date:** 11/13/2025

| Lab sample id. | Client Sample Id         | d/f | Time | Parameter list |
|----------------|--------------------------|-----|------|----------------|
| S0             | S0                       | 1   | 1122 | HG             |
| S0.2           | S0.2                     | 1   | 1124 | HG             |
| S2.5           | S2.5                     | 1   | 1127 | HG             |
| S5             | S5                       | 1   | 1129 | HG             |
| S7.5           | S7.5                     | 1   | 1131 | HG             |
| S10            | S10                      | 1   | 1139 | HG             |
| ICV113         | ICV113                   | 1   | 1143 | HG             |
| ICB113         | ICB113                   | 1   | 1146 | HG             |
| CCV72          | CCV72                    | 1   | 1148 | HG             |
| CCB72          | CCB72                    | 1   | 1150 | HG             |
| CRA            | CRA                      | 1   | 1153 | HG             |
| PB170524BL     | PB170524BL               | 1   | 1159 | HG             |
| PB170524BS     | PB170524BS               | 1   | 1202 | HG             |
| Q3614-03DUP    | COMP-3DUP                | 1   | 1216 | HG             |
| Q3614-03MS     | COMP-3MS                 | 1   | 1218 | HG             |
| CCV73          | CCV73                    | 1   | 1220 | HG             |
| CCB73          | CCB73                    | 1   | 1223 | HG             |
| Q3614-03MSD    | COMP-3MSD                | 1   | 1225 | HG             |
| Q3615-01       | East Bathhouse- Concrete | 1   | 1227 | HG             |
| Q3614-03L      | COMP-3L                  | 5   | 1239 | HG             |
| Q3614-03A      | COMP-3A                  | 1   | 1241 | HG             |
| CCV74          | CCV74                    | 1   | 1243 | HG             |
| CCB74          | CCB74                    | 1   | 1245 | HG             |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** Core Environmental Consultants and Servic

**Contract:** CORE02

**Lab code:** ACE

**Sdg no.:** Q3615

**Instrument id number:**

**Method:**

**Run number:** LB137889

**Start date:** 11/13/2025

**End date:** 11/13/2025

| Lab sample id. | Client Sample Id         | d/f | Time | Parameter list                                                  |
|----------------|--------------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0                       | 1   | 1246 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S1             | S1                       | 1   | 1251 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2             | S2                       | 1   | 1255 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3             | S3                       | 1   | 1259 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4             | S4                       | 1   | 1303 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5             | S5                       | 1   | 1307 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICV01          | ICV01                    | 1   | 1312 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01        | LLICV01                  | 1   | 1316 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01          | ICB01                    | 1   | 1321 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI01          | CRI01                    | 1   | 1325 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01         | ICSA01                   | 1   | 1329 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01        | ICSAB01                  | 1   | 1333 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01          | CCV01                    | 1   | 1346 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01          | CCB01                    | 1   | 1350 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB170522BL     | PB170522BL               | 1   | 1354 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB170522BS     | PB170522BS               | 1   | 1358 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3615-01       | East Bathhouse- Concrete | 1   | 1403 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3609-01DUP    | AU-713-COMP-01DUP        | 1   | 1411 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3609-01L      | AU-713-COMP-01L          | 5   | 1415 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3609-01MS     | AU-713-COMP-01MS         | 1   | 1419 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3609-01MSD    | AU-713-COMP-01MSD        | 1   | 1423 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3609-01A      | AU-713-COMP-01A          | 1   | 1427 | Ba,K,Na,Sb,Se,V,Zn                                              |
| CCV02          | CCV02                    | 1   | 1435 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02          | CCB02                    | 1   | 1439 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03          | CCV03                    | 1   | 1548 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03          | CCB03                    | 1   | 1551 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04          | CCV04                    | 1   | 1636 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04          | CCB04                    | 1   | 1640 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV05          | CCV05                    | 1   | 1727 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05          | CCB05                    | 1   | 1731 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV06          | CCV06                    | 1   | 1817 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB06          | CCB06                    | 1   | 1825 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV07          | CCV07                    | 1   | 1838 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB07          | CCB07                    | 1   | 1842 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |