

## LAB CHRONICLE

|                 |                                        |                   |                      |
|-----------------|----------------------------------------|-------------------|----------------------|
| <b>OrderID:</b> | Q1872                                  | <b>OrderDate:</b> | 4/24/2025 1:26:50 PM |
| <b>Client:</b>  | Alliance Technical Group, LLC - Newark | <b>Project:</b>   | NJ Soil PT           |
| <b>Contact:</b> | Mohammad Ahmed                         | <b>Location:</b>  | QA Office,VOA Lab    |

| LabID    | ClientID               | Matrix | Test              | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|------------------------|--------|-------------------|--------|-------------|-----------|-----------|----------|
| Q1872-10 | HW0425-PT-MET-SOI<br>L | SOIL   |                   |        | 04/21/25    |           |           | 04/24/25 |
|          |                        |        | Mercury           | 7471B  |             | 05/28/25  | 05/29/25  |          |
|          |                        |        | Metals ICP-Group1 | 6010D  |             | 04/25/25  | 05/30/25  |          |

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1872 **Order ID:** Q1872  
**Client:** Alliance Technical Group, LLC - Newark **Project ID:** NJ Soil PT

| Sample ID                             | Client ID          | Matrix | Parameter  | Concentration | C | MDL   | RDL  | Units |
|---------------------------------------|--------------------|--------|------------|---------------|---|-------|------|-------|
| <b>Client ID : HW0425-PT-MET-SOIL</b> |                    |        |            |               |   |       |      |       |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Aluminum   | 12000         |   | 0.73  | 4.35 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Antimony   | 74.9          |   | 0.19  | 2.17 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Arsenic    | 153           |   | 0.17  | 0.87 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Barium     | 618           |   | 0.64  | 4.35 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Beryllium  | 120           |   | 0.022 | 0.26 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Boron      | 63.2          |   | 0.70  | 4.35 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Cadmium    | 263           | D | 0.10  | 1.30 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Calcium    | 14700         |   | 9.65  | 87.0 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Chromium   | 178           |   | 0.041 | 0.44 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Cobalt     | 82.9          |   | 0.087 | 1.30 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Copper     | 257           |   | 0.19  | 0.87 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Iron       | 10400         |   | 3.47  | 4.35 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Lead       | 113           |   | 0.11  | 0.52 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Magnesium  | 15400         |   | 10.4  | 87.0 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Manganese  | 929           |   | 0.12  | 0.87 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Mercury    | 22.3          | D | 0.38  | 0.67 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Molybdenum | 26.3          |   | 0.70  | 8.70 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Nickel     | 230           |   | 0.11  | 1.74 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Potassium  | 10200         |   | 24.1  | 87.0 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Selenium   | 127           |   | 0.23  | 0.87 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Silver     | 22.6          |   | 0.10  | 0.44 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Sodium     | 2030          |   | 15.5  | 87.0 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Strontium  | 222           |   | 0.22  | 8.70 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Lithium    | 335           |   | 0.033 | 0.87 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Thallium   | 242           |   | 0.20  | 1.74 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Tin        | 100           |   | 0.23  | 1.74 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Titanium   | 370           |   | 0.27  | 1.74 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Vanadium   | 91.3          |   | 0.22  | 1.74 | mg/Kg |
| Q1872-10                              | HW0425-PT-MET-SOIL | SOIL   | Zinc       | 344           |   | 0.20  | 1.74 | mg/Kg |



# SAMPLE DATA

## Report of Analysis

|                   |                                        |                 |          |
|-------------------|----------------------------------------|-----------------|----------|
| Client:           | Alliance Technical Group, LLC - Newark | Date Collected: | 04/21/25 |
| Project:          | NJ Soil PT                             | Date Received:  | 04/24/25 |
| Client Sample ID: | HW0425-PT-MET-SOIL                     | SDG No.:        | Q1872    |
| Lab Sample ID:    | Q1872-10                               | Matrix:         | SOIL     |
| Level (low/med):  | low                                    | % Solid:        | 100      |

| Cas       | Parameter  | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|------------|-------|------|----|-------|------------|-------------------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum   | 12000 |      | 1  | 0.73  | 4.35       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-36-0 | Antimony   | 74.9  |      | 1  | 0.19  | 2.17       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-38-2 | Arsenic    | 153   |      | 1  | 0.17  | 0.87       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-39-3 | Barium     | 618   |      | 1  | 0.64  | 4.35       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-41-7 | Beryllium  | 120   |      | 1  | 0.022 | 0.26       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-42-8 | Boron      | 63.2  |      | 1  | 0.70  | 4.35       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium    | 263   | D    | 5  | 0.10  | 1.30       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:46 | 6010D    | SW3050    |
| 7440-70-2 | Calcium    | 14700 |      | 1  | 9.65  | 87.0       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-47-3 | Chromium   | 178   |      | 1  | 0.041 | 0.44       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-48-4 | Cobalt     | 82.9  |      | 1  | 0.087 | 1.30       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-50-8 | Copper     | 257   |      | 1  | 0.19  | 0.87       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7439-89-6 | Iron       | 10400 |      | 1  | 3.47  | 4.35       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7439-92-1 | Lead       | 113   |      | 1  | 0.11  | 0.52       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7439-93-2 | Lithium    | 335   |      | 1  | 0.033 | 0.87       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7439-95-4 | Magnesium  | 15400 |      | 1  | 10.4  | 87.0       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7439-96-5 | Manganese  | 929   |      | 1  | 0.12  | 0.87       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7439-97-6 | Mercury    | 22.3  | D    | 50 | 0.38  | 0.67       | mg/Kg             | 05/28/25 16:40 | 05/29/25 13:08 | 7471B    |           |
| 7439-98-7 | Molybdenum | 26.3  |      | 1  | 0.70  | 8.70       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-02-0 | Nickel     | 230   |      | 1  | 0.11  | 1.74       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-09-7 | Potassium  | 10200 |      | 1  | 24.1  | 87.0       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7782-49-2 | Selenium   | 127   |      | 1  | 0.23  | 0.87       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-22-4 | Silver     | 22.6  |      | 1  | 0.10  | 0.44       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-23-5 | Sodium     | 2030  |      | 1  | 15.5  | 87.0       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-24-6 | Strontium  | 222   |      | 1  | 0.22  | 8.70       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-28-0 | Thallium   | 242   |      | 1  | 0.20  | 1.74       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-31-5 | Tin        | 100   |      | 1  | 0.23  | 1.74       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-32-6 | Titanium   | 370   |      | 1  | 0.27  | 1.74       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-62-2 | Vanadium   | 91.3  |      | 1  | 0.22  | 1.74       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |
| 7440-66-6 | Zinc       | 344   |      | 1  | 0.20  | 1.74       | mg/Kg             | 04/25/25 10:00 | 05/30/25 18:37 | 6010D    | SW3050    |

|               |               |                 |            |      |
|---------------|---------------|-----------------|------------|------|
| Color Before: | Light brown   | Clarity Before: | Texture:   | Fine |
| Color After:  | Medium Yellow | Clarity After:  | Artifacts: | No   |
| Comments:     | Mercury       |                 |            |      |

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**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Alliance Technical Group, LLC - Newark **SDG No.:** Q1872  
**Contract:** ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872  
**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV21     | Mercury | 3.84           | 4.0        | 96            | 90 - 110                  | CV | 05/29/2025       | 11:18            | LB135943      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Alliance Technical Group, LLC - Newark **SDG No.:** Q1872  
**Contract:** ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872  
**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV76     | Mercury | 4.83           | 5.0        | 97            | 90 - 110                  | CV | 05/29/2025       | 11:22            | LB135943      |
| CCV77     | Mercury | 5.09           | 5.0        | 102           | 90 - 110                  | CV | 05/29/2025       | 12:25            | LB135943      |
| CCV78     | Mercury | 5.16           | 5.0        | 103           | 90 - 110                  | CV | 05/29/2025       | 13:01            | LB135943      |
| CCV79     | Mercury | 5.26           | 5.0        | 105           | 90 - 110                  | CV | 05/29/2025       | 13:19            | LB135943      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark      SDG No.: Q1872

Contract: ALLI03      Lab Code: CHEM      Case No.: Q1872      SAS No.: Q1872

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   | 2450           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Antimony   | 1020           | 1000       | 102           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Arsenic    | 1030           | 1000       | 103           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Barium     | 490            | 520        | 94            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Beryllium  | 495            | 510        | 97            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Boron      | 2290           | 2500       | 92            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Cadmium    | 518            | 510        | 102           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Calcium    | 9850           | 10000      | 98            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Chromium   | 539            | 520        | 104           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Cobalt     | 520            | 520        | 100           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Copper     | 535            | 510        | 105           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Iron       | 10500          | 10000      | 105           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Lead       | 1010           | 1000       | 101           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Lithium    | 2460           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Magnesium  | 5760           | 6000       | 96            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Manganese  | 504            | 520        | 97            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Molybdenum | 2520           | 2500       | 101           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Nickel     | 524            | 530        | 99            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Potassium  | 10100          | 9900       | 102           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Selenium   | 1080           | 1000       | 108           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Silver     | 259            | 250        | 104           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Sodium     | 9750           | 10000      | 98            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Strontium  | 2390           | 2500       | 95            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Thallium   | 1090           | 1000       | 109           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Tin        | 2460           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Titanium   | 2340           | 2500       | 94            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Vanadium   | 484            | 500        | 97            | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |
|           | Zinc       | 1000           | 1000       | 100           | 90 - 110                  | P | 05/30/2025       | 15:13            | LB135969      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark      SDG No.: Q1872

Contract: ALLI03      Lab Code: CHEM      Case No.: Q1872      SAS No.: Q1872

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   | 98.2           | 100        | 98            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Antimony   | 50.0           | 50.0       | 100           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Arsenic    | 20.5           | 20.0       | 102           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Barium     | 91.3           | 100        | 91            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Beryllium  | 5.89           | 6.0        | 98            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Boron      | 97.3           | 100        | 97            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Cadmium    | 6.08           | 6.0        | 101           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Calcium    | 1910           | 2000       | 95            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Chromium   | 10.2           | 10.0       | 102           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Cobalt     | 29.3           | 30.0       | 98            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Copper     | 21.5           | 20.0       | 107           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Iron       | 104            | 100        | 104           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Lead       | 11.3           | 12.0       | 94            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Lithium    | 21.2           | 20.0       | 106           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Magnesium  | 1920           | 2000       | 96            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Manganese  | 19.9           | 20.0       | 100           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Molybdenum | 190            | 200        | 95            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Nickel     | 40.0           | 40.0       | 100           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Potassium  | 1920           | 2000       | 96            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Selenium   | 21.2           | 20.0       | 106           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Silver     | 10.1           | 10.0       | 101           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Sodium     | 1830           | 2000       | 92            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Strontium  | 19.9           | 20.0       | 99            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Thallium   | 33.2           | 40.0       | 83            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Tin        | 36.4           | 40.0       | 91            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Titanium   | 36.8           | 40.0       | 92            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Vanadium   | 36.9           | 40.0       | 92            | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |
|           | Zinc       | 40.5           | 40.0       | 101           | 80 - 120                  | P | 05/30/2025       | 15:21            | LB135969      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark SDG No.: Q1872  
 Contract: ALLI03 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872  
 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   | 9760           | 10000      | 98            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Antimony   | 5090           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Arsenic    | 5110           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Barium     | 9890           | 10000      | 99            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Beryllium  | 235            | 250        | 94            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Boron      | 4640           | 5000       | 93            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Cadmium    | 2500           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Calcium    | 24400          | 25000      | 98            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Chromium   | 1020           | 1000       | 102           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Cobalt     | 2500           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Copper     | 1280           | 1250       | 102           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Iron       | 5420           | 5000       | 108           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Lead       | 5010           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Lithium    | 4790           | 5000       | 96            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Magnesium  | 24100          | 25000      | 96            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Manganese  | 2430           | 2500       | 97            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Molybdenum | 5090           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Nickel     | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Potassium  | 27000          | 25000      | 108           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Selenium   | 5160           | 5000       | 103           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Silver     | 1280           | 1250       | 102           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Sodium     | 26700          | 25000      | 107           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Strontium  | 4970           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Thallium   | 5190           | 5000       | 104           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Tin        | 5040           | 5000       | 101           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Titanium   | 4880           | 5000       | 98            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Vanadium   | 2460           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
|           | Zinc       | 2680           | 2500       | 107           | 90 - 110                  | P | 05/30/2025       | 16:02            | LB135969      |
| CCV02     | Aluminum   | 10000          | 10000      | 100           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Antimony   | 5130           | 5000       | 103           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Arsenic    | 5140           | 5000       | 103           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Barium     | 9860           | 10000      | 99            | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Beryllium  | 249            | 250        | 100           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Boron      | 4900           | 5000       | 98            | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark SDG No.: Q1872  
 Contract: ALLI03 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872  
 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     | Cadmium    | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Calcium    | 24600          | 25000      | 99            | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Chromium   | 1020           | 1000       | 102           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Cobalt     | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Copper     | 1290           | 1250       | 103           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Iron       | 5250           | 5000       | 105           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Lead       | 5030           | 5000       | 101           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Lithium    | 4950           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Magnesium  | 24500          | 25000      | 98            | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Manganese  | 2450           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Molybdenum | 5120           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Nickel     | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Potassium  | 26400          | 25000      | 106           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Selenium   | 5210           | 5000       | 104           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Silver     | 1290           | 1250       | 103           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Sodium     | 26000          | 25000      | 104           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Strontium  | 4990           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Thallium   | 5160           | 5000       | 103           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Tin        | 5050           | 5000       | 101           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Titanium   | 4920           | 5000       | 98            | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
| CCV03     | Vanadium   | 2490           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Zinc       | 2610           | 2500       | 104           | 90 - 110                  | P | 05/30/2025       | 16:52            | LB135969      |
|           | Aluminum   | 10200          | 10000      | 102           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Antimony   | 5110           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Arsenic    | 5080           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Barium     | 9790           | 10000      | 98            | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Beryllium  | 272            | 250        | 109           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Boron      | 5390           | 5000       | 108           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Cadmium    | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Calcium    | 25300          | 25000      | 101           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Chromium   | 1030           | 1000       | 103           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Cobalt     | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Copper     | 1280           | 1250       | 102           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Iron       | 4910           | 5000       | 98            | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark SDG No.: Q1872  
Contract: ALLI03 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872  
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 |
|-----------|------------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV03     | Lead       | 5020           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Lithium    | 5120           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Magnesium  | 25600          | 25000      | 102           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Manganese  | 2510           | 2500       | 101           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Molybdenum | 5140           | 5000       | 103           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Nickel     | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Potassium  | 24200          | 25000      | 97            | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Selenium   | 5130           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Silver     | 1290           | 1250       | 103           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Sodium     | 24100          | 25000      | 96            | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Strontium  | 4960           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Thallium   | 4980           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Tin        | 5020           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Titanium   | 5000           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Vanadium   | 2530           | 2500       | 101           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
|           | Zinc       | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 17:41            | LB135969      |
| CCV04     | Aluminum   | 9760           | 10000      | 98            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Antimony   | 5120           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Arsenic    | 5120           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Barium     | 9930           | 10000      | 99            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Beryllium  | 239            | 250        | 95            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Boron      | 4730           | 5000       | 95            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Cadmium    | 2490           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Calcium    | 24300          | 25000      | 97            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Chromium   | 1010           | 1000       | 102           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Cobalt     | 2490           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Copper     | 1280           | 1250       | 102           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Iron       | 5320           | 5000       | 106           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Lead       | 4980           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Lithium    | 4850           | 5000       | 97            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Magnesium  | 24000          | 25000      | 96            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Manganese  | 2430           | 2500       | 97            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Molybdenum | 5100           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Nickel     | 2490           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark SDG No.: Q1872  
Contract: ALLI03 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872  
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     | Potassium  | 26200          | 25000      | 105           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Selenium   | 5200           | 5000       | 104           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Silver     | 1280           | 1250       | 102           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Sodium     | 26400          | 25000      | 106           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Strontium  | 4970           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Thallium   | 5110           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Tin        | 5000           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Titanium   | 4880           | 5000       | 98            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Vanadium   | 2460           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
|           | Zinc       | 2510           | 2500       | 100           | 90 - 110                  | P | 05/30/2025       | 18:28            | LB135969      |
| CCV05     | Aluminum   | 10000          | 10000      | 100           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Antimony   | 5080           | 5000       | 102           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Arsenic    | 5070           | 5000       | 101           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Barium     | 9520           | 10000      | 95            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Beryllium  | 266            | 250        | 106           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Boron      | 5280           | 5000       | 106           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Cadmium    | 2480           | 2500       | 99            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Calcium    | 24200          | 25000      | 97            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Chromium   | 1000           | 1000       | 100           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Cobalt     | 2480           | 2500       | 99            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Copper     | 1280           | 1250       | 102           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Iron       | 4710           | 5000       | 94            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Lead       | 4960           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Lithium    | 4990           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Magnesium  | 24400          | 25000      | 98            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Manganese  | 2430           | 2500       | 97            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Molybdenum | 5040           | 5000       | 101           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Nickel     | 2480           | 2500       | 99            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Potassium  | 24000          | 25000      | 96            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Selenium   | 5150           | 5000       | 103           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Silver     | 1260           | 1250       | 101           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Sodium     | 23200          | 25000      | 93            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Strontium  | 4880           | 5000       | 98            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Thallium   | 4950           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Alliance Technical Group, LLC - Newark SDG No.: Q1872  
 Contract: ALLI03 Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872  
 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     | Tin        | 4970           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Titanium   | 4850           | 5000       | 97            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Vanadium   | 2450           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
|           | Zinc       | 2570           | 2500       | 103           | 90 - 110                  | P | 05/30/2025       | 18:58            | LB135969      |
| CCV06     | Aluminum   | 9730           | 10000      | 97            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Antimony   | 4980           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Arsenic    | 4950           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Barium     | 9770           | 10000      | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Beryllium  | 246            | 250        | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Boron      | 4890           | 5000       | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Cadmium    | 2460           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Calcium    | 24300          | 25000      | 97            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Chromium   | 985            | 1000       | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Cobalt     | 2460           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Copper     | 1250           | 1250       | 100           | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Iron       | 4920           | 5000       | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Lead       | 4930           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Lithium    | 4830           | 5000       | 97            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Magnesium  | 24100          | 25000      | 96            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Manganese  | 2440           | 2500       | 97            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Molybdenum | 4990           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Nickel     | 2460           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Potassium  | 24800          | 25000      | 99            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Selenium   | 5010           | 5000       | 100           | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Silver     | 1230           | 1250       | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Sodium     | 24200          | 25000      | 97            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Strontium  | 4930           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Thallium   | 4850           | 5000       | 97            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Tin        | 4930           | 5000       | 99            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Titanium   | 4850           | 5000       | 97            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Vanadium   | 2440           | 2500       | 98            | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |
|           | Zinc       | 2520           | 2500       | 101           | 90 - 110                  | P | 05/30/2025       | 19:30            | LB135969      |



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

## Metals

- 2b -

### CRDL STANDARD FOR AA & ICP

**Client:** Alliance Technical Group, LLC - Newark **SDG No.:** Q1872  
**Contract:** ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872  
**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 |
|-----------|------------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CRA       | Mercury    | 0.22           | 0.2                | 109           | 70 - 130                  | CV | 05/29/2025       | 11:38            | LB135943      |
| CRI01     | Aluminum   | 101            | 100                | 101           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Antimony   | 48.4           | 50.0               | 97            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Arsenic    | 19.3           | 20.0               | 97            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Barium     | 91.0           | 100                | 91            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Beryllium  | 5.97           | 6.0                | 100           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Boron      | 95.9           | 100                | 96            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Cadmium    | 5.90           | 6.0                | 98            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Calcium    | 1910           | 2000               | 96            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Chromium   | 10.1           | 10.0               | 101           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Cobalt     | 29.1           | 30.0               | 97            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Copper     | 20.9           | 20.0               | 104           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Iron       | 102            | 100                | 102           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Lead       | 11.0           | 12.0               | 92            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Lithium    | 20.3           | 20.0               | 101           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Magnesium  | 1900           | 2000               | 95            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Manganese  | 19.4           | 20.0               | 97            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Molybdenum | 190            | 200                | 95            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Nickel     | 39.2           | 40.0               | 98            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Potassium  | 1880           | 2000               | 94            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Selenium   | 21.6           | 20.0               | 108           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Silver     | 9.55           | 10.0               | 96            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Sodium     | 1810           | 2000               | 90            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Strontium  | 19.9           | 20.0               | 100           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Thallium   | 29.9           | 40.0               | 75            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Tin        | 36.2           | 40.0               | 91            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Titanium   | 36.4           | 40.0               | 91            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Vanadium   | 36.9           | 40.0               | 92            | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |
|           | Zinc       | 40.3           | 40.0               | 101           | 65 - 135                  | P  | 05/30/2025       | 15:30            | LB135969      |



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

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

|           |                                        |                |                     |              |           |       |                  |                  |               |
|-----------|----------------------------------------|----------------|---------------------|--------------|-----------|-------|------------------|------------------|---------------|
| Client:   | Alliance Technical Group, LLC - Newark |                |                     |              | SDG No.:  | Q1872 |                  |                  |               |
| Contract: | ALLI03                                 | Lab Code:      | CHEM                |              | Case No.: | Q1872 | SAS No.:         | Q1872            |               |
| Sample ID | Analyte                                | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL      | M     | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| ICB21     | Mercury                                | 0.076          | +/-0.2              | U            | 0.20      | CV    | 05/29/2025       | 11:20            | LB135943      |

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB76     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 05/29/2025       | 11:27            | LB135943      |
| CCB77     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 05/29/2025       | 12:30            | LB135943      |
| CCB78     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 05/29/2025       | 13:04            | LB135943      |
| CCB79     | Mercury | 0.076          | +/-0.2              | U            | 0.20 | CV | 05/29/2025       | 13:22            | LB135943      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

| 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 | 05/30/2025       | 15:26            | LB135969      |
|           | Antimony   | 6.76           | +/-25               | U            | 50.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Arsenic    | 5.12           | +/-10               | U            | 20.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Barium     | 14.6           | +/-50               | U            | 100  | P | 05/30/2025       | 15:26            | LB135969      |
|           | Beryllium  | 0.56           | +/-3                | U            | 6.00 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Boron      | 15.7           | +/-50               | U            | 100  | P | 05/30/2025       | 15:26            | LB135969      |
|           | Cadmium    | 0.50           | +/-3                | U            | 6.00 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Calcium    | 234            | +/-1000             | U            | 2000 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Chromium   | 2.12           | +/-5                | U            | 10.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Cobalt     | 2.26           | +/-15               | U            | 30.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Copper     | 4.60           | +/-10               | U            | 20.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Iron       | 23.4           | +/-50               | U            | 100  | P | 05/30/2025       | 15:26            | LB135969      |
|           | Lead       | 2.30           | +/-6                | U            | 12.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Magnesium  | 244            | +/-1000             | U            | 2000 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Manganese  | 5.94           | +/-10               | U            | 20.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Molybdenum | 18.7           | +/-100              | U            | 200  | P | 05/30/2025       | 15:26            | LB135969      |
|           | Nickel     | 3.06           | +/-20               | U            | 40.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Potassium  | 918            | +/-1000             | U            | 2000 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Selenium   | 9.64           | +/-10               | U            | 20.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Silver     | 1.62           | +/-5                | U            | 10.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Sodium     | 868            | +/-1000             | U            | 2000 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Strontium  | 4.63           | +/-10               | U            | 20.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Lithium    | 15.6           | +/-10               | U            | 20.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Thallium   | 4.38           | +/-20               | U            | 40.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Tin        | 5.14           | +/-20               | U            | 40.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Titanium   | 6.42           | +/-20               | U            | 40.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Vanadium   | 6.26           | +/-20               | U            | 40.0 | P | 05/30/2025       | 15:26            | LB135969      |
|           | Zinc       | 16.7           | +/-20               | U            | 40.0 | P | 05/30/2025       | 15:26            | LB135969      |

## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

| 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 | 05/30/2025       | 16:06            | LB135969      |
|           | Antimony   | 6.76           | +/-25               | U            | 50.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Arsenic    | 5.12           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Barium     | 14.6           | +/-50               | U            | 100  | P | 05/30/2025       | 16:06            | LB135969      |
|           | Beryllium  | 0.56           | +/-3                | U            | 6.00 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Boron      | 15.7           | +/-50               | U            | 100  | P | 05/30/2025       | 16:06            | LB135969      |
|           | Cadmium    | 0.50           | +/-3                | U            | 6.00 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Calcium    | 234            | +/-1000             | U            | 2000 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Chromium   | 2.12           | +/-5                | U            | 10.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Cobalt     | 2.26           | +/-15               | U            | 30.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Copper     | 4.60           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Iron       | 23.4           | +/-50               | U            | 100  | P | 05/30/2025       | 16:06            | LB135969      |
|           | Lead       | 2.30           | +/-6                | U            | 12.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Magnesium  | 244            | +/-1000             | U            | 2000 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Manganese  | 5.94           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Molybdenum | 18.7           | +/-100              | U            | 200  | P | 05/30/2025       | 16:06            | LB135969      |
|           | Nickel     | 3.06           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Potassium  | 918            | +/-1000             | U            | 2000 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Selenium   | 9.64           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Silver     | 1.62           | +/-5                | U            | 10.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Sodium     | 868            | +/-1000             | U            | 2000 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Strontium  | 4.63           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Lithium    | 15.6           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Thallium   | 4.38           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Tin        | 5.14           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Titanium   | 6.42           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Vanadium   | 6.26           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:06            | LB135969      |
|           | Zinc       | 16.7           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:06            | LB135969      |
| CCB02     | Aluminum   | 11.8           | +/-50               | J            | 100  | P | 05/30/2025       | 16:56            | LB135969      |
|           | Antimony   | 6.76           | +/-25               | U            | 50.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Arsenic    | 5.12           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Barium     | 14.6           | +/-50               | U            | 100  | P | 05/30/2025       | 16:56            | LB135969      |
|           | Beryllium  | 0.56           | +/-3                | U            | 6.00 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Boron      | 15.7           | +/-50               | U            | 100  | P | 05/30/2025       | 16:56            | LB135969      |
|           | Cadmium    | 0.50           | +/-3                | U            | 6.00 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Calcium    | 234            | +/-1000             | U            | 2000 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Chromium   | 2.12           | +/-5                | U            | 10.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Cobalt     | 2.26           | +/-15               | U            | 30.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Copper     | 4.60           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:56            | LB135969      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

| 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     | Iron       | 23.4           | +/-50               | U            | 100  | P | 05/30/2025       | 16:56            | LB135969      |
|           | Lead       | 2.30           | +/-6                | U            | 12.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Magnesium  | 244            | +/-1000             | U            | 2000 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Manganese  | 5.94           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Molybdenum | 18.7           | +/-100              | U            | 200  | P | 05/30/2025       | 16:56            | LB135969      |
|           | Nickel     | 3.06           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Potassium  | 918            | +/-1000             | U            | 2000 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Selenium   | 9.64           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Silver     | 1.62           | +/-5                | U            | 10.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Sodium     | 868            | +/-1000             | U            | 2000 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Strontium  | 4.63           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Lithium    | 15.6           | +/-10               | U            | 20.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Thallium   | 4.38           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Tin        | 5.14           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Titanium   | 6.42           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Vanadium   | 6.26           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:56            | LB135969      |
|           | Zinc       | 16.7           | +/-20               | U            | 40.0 | P | 05/30/2025       | 16:56            | LB135969      |
| CCB03     | Aluminum   | 11.3           | +/-50               | U            | 100  | P | 05/30/2025       | 17:45            | LB135969      |
|           | Antimony   | 6.76           | +/-25               | U            | 50.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Arsenic    | 5.12           | +/-10               | U            | 20.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Barium     | 14.6           | +/-50               | U            | 100  | P | 05/30/2025       | 17:45            | LB135969      |
|           | Beryllium  | 0.56           | +/-3                | U            | 6.00 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Boron      | 15.7           | +/-50               | U            | 100  | P | 05/30/2025       | 17:45            | LB135969      |
|           | Cadmium    | 0.50           | +/-3                | U            | 6.00 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Calcium    | 234            | +/-1000             | U            | 2000 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Chromium   | 2.12           | +/-5                | U            | 10.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Cobalt     | 2.26           | +/-15               | U            | 30.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Copper     | 4.60           | +/-10               | U            | 20.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Iron       | 23.4           | +/-50               | U            | 100  | P | 05/30/2025       | 17:45            | LB135969      |
|           | Lead       | 2.30           | +/-6                | U            | 12.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Magnesium  | 244            | +/-1000             | U            | 2000 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Manganese  | 5.94           | +/-10               | U            | 20.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Molybdenum | 18.7           | +/-100              | U            | 200  | P | 05/30/2025       | 17:45            | LB135969      |
|           | Nickel     | 3.06           | +/-20               | U            | 40.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Potassium  | 918            | +/-1000             | U            | 2000 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Selenium   | 9.64           | +/-10               | U            | 20.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Silver     | 1.62           | +/-5                | U            | 10.0 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Sodium     | 868            | +/-1000             | U            | 2000 | P | 05/30/2025       | 17:45            | LB135969      |
|           | Strontium  | 4.63           | +/-10               | U            | 20.0 | P | 05/30/2025       | 17:45            | LB135969      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> Alliance Technical Group, LLC - Newark |                       | <b>SDG No.:</b> Q1872  |                       |              |      |   |                  |                  |               |
|-------------------------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> ALLI03                               | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1872 | <b>SAS No.:</b> Q1872 |              |      |   |                  |                  |               |
| Sample ID                                             | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB03                                                 | Lithium               | 15.6                   | +/-10                 | U            | 20.0 | P | 05/30/2025       | 17:45            | LB135969      |
|                                                       | Thallium              | 4.38                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 17:45            | LB135969      |
|                                                       | Tin                   | 5.14                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 17:45            | LB135969      |
|                                                       | Titanium              | 6.42                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 17:45            | LB135969      |
|                                                       | Vanadium              | 6.26                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 17:45            | LB135969      |
|                                                       | Zinc                  | 16.7                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 17:45            | LB135969      |
| CCB04                                                 | Aluminum              | 13.3                   | +/-50                 | J            | 100  | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Antimony              | 6.76                   | +/-25                 | U            | 50.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Arsenic               | 5.12                   | +/-10                 | U            | 20.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Barium                | 14.6                   | +/-50                 | U            | 100  | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Beryllium             | 0.56                   | +/-3                  | U            | 6.00 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Boron                 | 15.7                   | +/-50                 | U            | 100  | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Cadmium               | 0.50                   | +/-3                  | U            | 6.00 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Calcium               | 234                    | +/-1000               | U            | 2000 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Chromium              | 2.12                   | +/-5                  | U            | 10.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Cobalt                | 2.26                   | +/-15                 | U            | 30.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Copper                | 4.60                   | +/-10                 | U            | 20.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Iron                  | 23.4                   | +/-50                 | U            | 100  | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Lead                  | 2.30                   | +/-6                  | U            | 12.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Magnesium             | 244                    | +/-1000               | U            | 2000 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Manganese             | 5.94                   | +/-10                 | U            | 20.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Molybdenum            | 18.7                   | +/-100                | U            | 200  | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Nickel                | 3.06                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Potassium             | 918                    | +/-1000               | U            | 2000 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Selenium              | 9.64                   | +/-10                 | U            | 20.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Silver                | 1.62                   | +/-5                  | U            | 10.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Sodium                | 868                    | +/-1000               | U            | 2000 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Strontium             | 4.63                   | +/-10                 | U            | 20.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Lithium               | 15.6                   | +/-10                 | U            | 20.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Thallium              | 4.38                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 18:32            | LB135969      |
| CCB05                                                 | Tin                   | 5.58                   | +/-20                 | J            | 40.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Titanium              | 6.42                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Vanadium              | 6.26                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Zinc                  | 16.7                   | +/-20                 | U            | 40.0 | P | 05/30/2025       | 18:32            | LB135969      |
|                                                       | Aluminum              | 11.3                   | +/-50                 | U            | 100  | P | 05/30/2025       | 19:02            | LB135969      |
|                                                       | Antimony              | 6.76                   | +/-25                 | U            | 50.0 | P | 05/30/2025       | 19:02            | LB135969      |
|                                                       | Arsenic               | 5.12                   | +/-10                 | U            | 20.0 | P | 05/30/2025       | 19:02            | LB135969      |
|                                                       | Barium                | 14.6                   | +/-50                 | U            | 100  | P | 05/30/2025       | 19:02            | LB135969      |
|                                                       | Beryllium             | 0.56                   | +/-3                  | U            | 6.00 | P | 05/30/2025       | 19:02            | LB135969      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

| Sample ID | Analyte    | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|------------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB05     | Boron      | 15.7           | +/-50               | U            | 100  | P | 05/30/2025       | 19:02            | LB135969      |
|           | Cadmium    | 0.50           | +/-3                | U            | 6.00 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Calcium    | 234            | +/-1000             | U            | 2000 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Chromium   | 2.12           | +/-5                | U            | 10.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Cobalt     | 2.26           | +/-15               | U            | 30.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Copper     | 4.60           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Iron       | 23.4           | +/-50               | U            | 100  | P | 05/30/2025       | 19:02            | LB135969      |
|           | Lead       | 2.30           | +/-6                | U            | 12.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Magnesium  | 244            | +/-1000             | U            | 2000 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Manganese  | 5.94           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Molybdenum | 18.7           | +/-100              | U            | 200  | P | 05/30/2025       | 19:02            | LB135969      |
|           | Nickel     | 3.06           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Potassium  | 918            | +/-1000             | U            | 2000 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Selenium   | 9.64           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Silver     | 1.62           | +/-5                | U            | 10.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Sodium     | 868            | +/-1000             | U            | 2000 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Strontium  | 4.63           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Lithium    | 15.6           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Thallium   | 4.38           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Tin        | 5.14           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Titanium   | 6.42           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Vanadium   | 6.26           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:02            | LB135969      |
|           | Zinc       | 16.7           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:02            | LB135969      |
| CCB06     | Aluminum   | 11.3           | +/-50               | U            | 100  | P | 05/30/2025       | 19:34            | LB135969      |
|           | Antimony   | 6.76           | +/-25               | U            | 50.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Arsenic    | 5.12           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Barium     | 14.6           | +/-50               | U            | 100  | P | 05/30/2025       | 19:34            | LB135969      |
|           | Beryllium  | 0.56           | +/-3                | U            | 6.00 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Boron      | 15.7           | +/-50               | U            | 100  | P | 05/30/2025       | 19:34            | LB135969      |
|           | Cadmium    | 0.50           | +/-3                | U            | 6.00 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Calcium    | 234            | +/-1000             | U            | 2000 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Chromium   | 2.12           | +/-5                | U            | 10.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Cobalt     | 2.26           | +/-15               | U            | 30.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Copper     | 4.60           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Iron       | 23.4           | +/-50               | U            | 100  | P | 05/30/2025       | 19:34            | LB135969      |
|           | Lead       | 2.30           | +/-6                | U            | 12.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Magnesium  | 244            | +/-1000             | U            | 2000 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Manganese  | 5.94           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Molybdenum | 18.7           | +/-100              | U            | 200  | P | 05/30/2025       | 19:34            | LB135969      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** Alliance Technical Group, LLC - Newark **SDG No.:** Q1872  
**Contract:** ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872

| 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     | Nickel    | 3.06           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Potassium | 918            | +/-1000             | U            | 2000 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Selenium  | 9.64           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Silver    | 1.62           | +/-5                | U            | 10.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Sodium    | 868            | +/-1000             | U            | 2000 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Strontium | 4.63           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Lithium   | 15.6           | +/-10               | U            | 20.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Thallium  | 4.38           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Tin       | 5.14           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Titanium  | 6.42           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Vanadium  | 6.26           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:34            | LB135969      |
|           | Zinc      | 16.7           | +/-20               | U            | 40.0 | P | 05/30/2025       | 19:34            | LB135969      |

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

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**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>PB168173BL</b> |         | <b>SOLID</b>      |                     | <b>Batch Number:</b> | <b>PB168173</b> |    | <b>Prep Date:</b> | <b>05/28/2025</b> |          |
|                   | Mercury | 0.0080            | <0.014              | U                    | 0.014           | CV | 05/29/2025        | 11:55             | LB135943 |

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

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**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>PB167748BL</b> | <b>SOLID</b> |                   |                     | <b>Batch Number:</b> | <b>PB167748</b> |   | <b>Prep Date:</b> | <b>04/25/2025</b> |          |
|                   | Aluminum     | 0.84              | <2.5                | U                    | 5.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Antimony     | 0.22              | <1.25               | U                    | 2.50            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Arsenic      | 0.19              | <0.5                | U                    | 1.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Barium       | 0.73              | <2.5                | U                    | 5.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Beryllium    | 0.025             | <0.15               | U                    | 0.30            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Boron        | 0.80              | <2.5                | U                    | 5.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Cadmium      | 0.024             | <0.15               | U                    | 0.30            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Calcium      | 11.1              | <50                 | U                    | 100             | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Chromium     | 0.050             | <0.25               | J                    | 0.50            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Cobalt       | 0.10              | <0.75               | U                    | 1.50            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Copper       | 0.22              | <0.5                | U                    | 1.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Iron         | 3.99              | <2.5                | U                    | 5.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Lead         | 0.13              | <0.3                | U                    | 0.60            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Magnesium    | 12.0              | <50                 | U                    | 100             | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Manganese    | 0.14              | <0.5                | U                    | 1.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Molybdenum   | 0.81              | <5                  | U                    | 10.0            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Nickel       | 0.13              | <1                  | U                    | 2.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Potassium    | 27.7              | <50                 | U                    | 100             | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Selenium     | 0.26              | <0.5                | U                    | 1.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Silver       | 0.12              | <0.25               | U                    | 0.50            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Sodium       | 17.8              | <50                 | U                    | 100             | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Strontium    | 0.25              | <5                  | U                    | 10.0            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Lithium      | 0.038             | <0.5                | U                    | 1.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Thallium     | 0.23              | <1                  | U                    | 2.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Tin          | 0.26              | <1                  | U                    | 2.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Titanium     | 0.31              | <1                  | U                    | 2.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Vanadium     | 0.25              | <1                  | U                    | 2.00            | P | 05/30/2025        | 19:22             | LB135969 |
|                   | Zinc         | 0.23              | <1                  | U                    | 2.00            | P | 05/30/2025        | 19:22             | LB135969 |

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

**Client:** Alliance Technical Group, LLC - Newark **SDG No.:** Q1872  
**Contract:** ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872  
**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   | 265000         | 255000             | 104           | 216000                 | 294000                  | 05/30/2025       | 15:34            | LB135969      |
|           | Antimony   | -10.5          |                    |               | -50                    | 50                      | 05/30/2025       | 15:34            | LB135969      |
|           | Arsenic    | 7.93           |                    |               | -20                    | 20                      | 05/30/2025       | 15:34            | LB135969      |
|           | Barium     | 5.59           | 6.0                | 93            | -94                    | 106                     | 05/30/2025       | 15:34            | LB135969      |
|           | Beryllium  | 1.08           |                    |               | -6                     | 6                       | 05/30/2025       | 15:34            | LB135969      |
|           | Boron      | 11.9           | 1000               | 1             | -100                   | 100                     | 05/30/2025       | 15:34            | LB135969      |
|           | Cadmium    | 0.96           | 1.0                | 96            | -5                     | 7                       | 05/30/2025       | 15:34            | LB135969      |
|           | Calcium    | 250000         | 245000             | 102           | 208000                 | 282000                  | 05/30/2025       | 15:34            | LB135969      |
|           | Chromium   | 50.5           | 52.0               | 97            | 42                     | 62                      | 05/30/2025       | 15:34            | LB135969      |
|           | Cobalt     | 2.14           |                    |               | -30                    | 30                      | 05/30/2025       | 15:34            | LB135969      |
|           | Copper     | 11.1           | 2.0                | 555           | -18                    | 22                      | 05/30/2025       | 15:34            | LB135969      |
|           | Iron       | 106000         | 101000             | 105           | 85600                  | 116500                  | 05/30/2025       | 15:34            | LB135969      |
|           | Lead       | -3.47          |                    |               | -12                    | 12                      | 05/30/2025       | 15:34            | LB135969      |
|           | Magnesium  | 273000         | 255000             | 107           | 216000                 | 294000                  | 05/30/2025       | 15:34            | LB135969      |
|           | Manganese  | 10.4           | 7.0                | 148           | -13                    | 27                      | 05/30/2025       | 15:34            | LB135969      |
|           | Molybdenum | 0.57           | 1000               |               | -200                   | 200                     | 05/30/2025       | 15:34            | LB135969      |
|           | Nickel     | 2.67           | 2.0                | 134           | -38                    | 42                      | 05/30/2025       | 15:34            | LB135969      |
|           | Potassium  | 82.2           |                    |               | 0                      | 0                       | 05/30/2025       | 15:34            | LB135969      |
|           | Selenium   | 1.16           |                    |               | -20                    | 20                      | 05/30/2025       | 15:34            | LB135969      |
|           | Silver     | -0.97          |                    |               | -10                    | 10                      | 05/30/2025       | 15:34            | LB135969      |
|           | Sodium     | 15.7           |                    |               | 0                      | 0                       | 05/30/2025       | 15:34            | LB135969      |
|           | Strontium  | 0.71           |                    |               | 0                      | 0                       | 05/30/2025       | 15:34            | LB135969      |
|           | Lithium    | 13.9           | 1000               | 1             | -20                    | 20                      | 05/30/2025       | 15:34            | LB135969      |
|           | Thallium   | -1.62          |                    |               | -40                    | 40                      | 05/30/2025       | 15:34            | LB135969      |
|           | Tin        | -2.31          | 1000               |               | -40                    | 40                      | 05/30/2025       | 15:34            | LB135969      |
|           | Titanium   | -0.43          |                    |               | 0                      | 0                       | 05/30/2025       | 15:34            | LB135969      |
|           | Vanadium   | 2.32           |                    |               | -40                    | 40                      | 05/30/2025       | 15:34            | LB135969      |
|           | Zinc       | -8.28          |                    |               | -40                    | 40                      | 05/30/2025       | 15:34            | LB135969      |
| ICSAB01   | Aluminum   | 249000         | 247000             | 101           | 209000                 | 285000                  | 05/30/2025       | 15:49            | LB135969      |
|           | Antimony   | 649            | 618                | 105           | 525                    | 711                     | 05/30/2025       | 15:49            | LB135969      |
|           | Arsenic    | 115            | 104                | 111           | 88.4                   | 120                     | 05/30/2025       | 15:49            | LB135969      |
|           | Barium     | 495            | 537                | 92            | 437                    | 637                     | 05/30/2025       | 15:49            | LB135969      |
|           | Beryllium  | 545            | 495                | 110           | 420                    | 570                     | 05/30/2025       | 15:49            | LB135969      |
|           | Boron      | 959            | 1000               | 96            | 850                    | 1150                    | 05/30/2025       | 15:49            | LB135969      |
|           | Cadmium    | 1050           | 972                | 108           | 826                    | 1120                    | 05/30/2025       | 15:49            | LB135969      |
|           | Calcium    | 231000         | 235000             | 98            | 199000                 | 271000                  | 05/30/2025       | 15:49            | LB135969      |
|           | Chromium   | 586            | 542                | 108           | 460                    | 624                     | 05/30/2025       | 15:49            | LB135969      |
|           | Cobalt     | 530            | 476                | 111           | 404                    | 548                     | 05/30/2025       | 15:49            | LB135969      |
|           | Copper     | 539            | 511                | 106           | 434                    | 588                     | 05/30/2025       | 15:49            | LB135969      |
|           | Iron       | 96800          | 99300              | 98            | 84400                  | 114500                  | 05/30/2025       | 15:49            | LB135969      |
|           | Lead       | 49.0           | 49.0               | 100           | 37                     | 61                      | 05/30/2025       | 15:49            | LB135969      |
|           | Magnesium  | 254000         | 248000             | 102           | 210000                 | 286000                  | 05/30/2025       | 15:49            | LB135969      |

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

**Client:** Alliance Technical Group, LLC - Newark **SDG No.:** Q1872  
**Contract:** ALLI03 **Lab Code:** CHEM **Case No.:** Q1872 **SAS No.:** Q1872  
**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 |
|-----------|------------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Manganese  | 504            | 507                | 99            | 430                    | 584                     | 05/30/2025       | 15:49            | LB135969      |
|           | Molybdenum | 1020           | 1000               | 102           | 850                    | 1150                    | 05/30/2025       | 15:49            | LB135969      |
|           | Nickel     | 1050           | 954                | 110           | 810                    | 1100                    | 05/30/2025       | 15:49            | LB135969      |
|           | Potassium  | 50.6           |                    |               | 0                      | 0                       | 05/30/2025       | 15:49            | LB135969      |
|           | Selenium   | 53.5           | 46.0               | 116           | 26                     | 66                      | 05/30/2025       | 15:49            | LB135969      |
|           | Silver     | 223            | 201                | 111           | 170                    | 232                     | 05/30/2025       | 15:49            | LB135969      |
|           | Sodium     | -16.6          |                    |               | 0                      | 0                       | 05/30/2025       | 15:49            | LB135969      |
|           | Strontium  | 915            |                    |               | 0                      | 0                       | 05/30/2025       | 15:49            | LB135969      |
|           | Lithium    | 858            | 1000               | 86            | 850                    | 1150                    | 05/30/2025       | 15:49            | LB135969      |
|           | Thallium   | 86.2           | 108                | 80            | 68                     | 148                     | 05/30/2025       | 15:49            | LB135969      |
|           | Tin        | 1000           | 1000               | 100           | 850                    | 1150                    | 05/30/2025       | 15:49            | LB135969      |
|           | Titanium   | 941            |                    |               | 0                      | 0                       | 05/30/2025       | 15:49            | LB135969      |
|           | Vanadium   | 498            | 491                | 101           | 417                    | 565                     | 05/30/2025       | 15:49            | LB135969      |
|           | Zinc       | 1080           | 952                | 113           | 809                    | 1095                    | 05/30/2025       | 15:49            | LB135969      |



# METAL QC DATA

metals  
- 5a -  
MATRIX SPIKE SUMMARY

**client:** Alliance Technical Group, LLC - Newark    **level:** low    **sdg no.:** Q1872  
**contract:** ALLI03    **lab code:** CHEM    **case no.:** Q1872    **sas no.:** Q1872  
**matrix:** Solid    **sample id:** Q2085-04    **client id:** SC-1-SED-051625MS  
**Percent Solids for Sample:** 70.5    **Spiked ID:** Q2085-05    **Percent Solids for Spike Sample:** 70.5

| 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 - 124               | 0.37             |   | 0.017            | U | 0.35           | 106           |      | CV |

metals

- 5a -

MATRIX SPIKE DUPLICATE SUMMARY

|                                   |                                               |                   |                 |                                         |                           |
|-----------------------------------|-----------------------------------------------|-------------------|-----------------|-----------------------------------------|---------------------------|
| <b>client:</b>                    | <u>Alliance Technical Group, LLC - Newark</u> | <b>level:</b>     | <u>low</u>      | <b>sdg no.:</b>                         | <u>Q1872</u>              |
| <b>contract:</b>                  | <u>ALLI03</u>                                 | <b>lab code:</b>  | <u>CHEM</u>     | <b>case no.:</b>                        | <u>Q1872</u>              |
| <b>matrix:</b>                    | <u>Solid</u>                                  | <b>sample id:</b> | <u>Q2085-04</u> | <b>client id:</b>                       | <u>SC-1-SED-051625MSD</u> |
| <b>Percent Solids for Sample:</b> | <u>70.5</u>                                   | <b>Spiked ID:</b> | <u>Q2085-06</u> | <b>Percent Solids for Spike Sample:</b> | <u>70.5</u>               |

| 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 - 124               | 0.41          |   | 0.017            | U | 0.37           | 110           |      | CV |



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

Metals  
- 5b -

Client:

Alliance Technical Group, LLC - Newark

SDG No.:

Q1872

Contract:

ALLI03

Lab Code:

CHEM

Case No.:

Q1872

SAS No.:

Q1872

Matrix:

Level:

LOW

Client ID:

Sample ID:

Spiked ID:

| Analyte | Units | Acceptance<br>Limit %R | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                                               |                     |                 |                                         |                           |
|-----------------------------------|-----------------------------------------------|---------------------|-----------------|-----------------------------------------|---------------------------|
| <b>Client:</b>                    | <u>Alliance Technical Group, LLC - Newark</u> | <b>Level:</b>       | <u>LOW</u>      | <b>SDG No.:</b>                         | <u>Q1872</u>              |
| <b>Contract:</b>                  | <u>ALLI03</u>                                 | <b>Lab Code:</b>    | <u>CHEM</u>     | <b>Case No.:</b>                        | <u>Q1872</u>              |
| <b>Matrix:</b>                    | <u>Solid</u>                                  | <b>Sample ID:</b>   | <u>Q2085-04</u> | <b>Client ID:</b>                       | <u>SC-1-SED-051625DUP</u> |
| <b>Percent Solids for Sample:</b> | 70.5                                          | <b>Duplicate ID</b> | Q2085-04DUP     | <b>Percent Solids for Spike Sample:</b> | 70.5                      |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | mg/Kg | 20               | 0.017         | U | 0.018            | U |     |      | CV |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** Alliance Technical Group, LLC - Newark    **Level:** LOW    **SDG No.:** Q1872  
**Contract:** ALLI03    **Lab Code:** CHEM    **Case No.:** Q1872    **SAS No.:** Q1872  
**Matrix:** Solid    **Sample ID:** Q2085-05    **Client ID:** SC-1-SED-051625MSD  
**Percent Solids for Sample:** 70.5    **Duplicate ID** Q2085-06    **Percent Solids for Spike Sample:** 70.5

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | mg/Kg | 20               | 0.37          |   | 0.41             |   | 9   |      | CV |

**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

| Analyte    | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|------------|-------|------------|--------|---|------------|-------------------|---|
| PB167748BS |       |            |        |   |            |                   |   |
| Aluminum   | mg/Kg | 100        | 97.0   |   | 97         | 80 - 120          | P |
| Antimony   | mg/Kg | 40.0       | 41.7   |   | 104        | 80 - 120          | P |
| Arsenic    | mg/Kg | 40.0       | 40.7   |   | 102        | 80 - 120          | P |
| Barium     | mg/Kg | 10.0       | 9.59   |   | 96         | 80 - 120          | P |
| Beryllium  | mg/Kg | 10.0       | 10.1   |   | 101        | 80 - 120          | P |
| Boron      | mg/Kg | 15.0       | 14.7   |   | 98         | 80 - 120          | P |
| Cadmium    | mg/Kg | 10.0       | 10.1   |   | 101        | 80 - 120          | P |
| Calcium    | mg/Kg | 50.0       | 50.4   | J | 101        | 80 - 120          | P |
| Chromium   | mg/Kg | 20.0       | 20.5   |   | 102        | 80 - 120          | P |
| Cobalt     | mg/Kg | 10.0       | 10.1   |   | 101        | 80 - 120          | P |
| Copper     | mg/Kg | 15.0       | 16.0   |   | 107        | 80 - 120          | P |
| Iron       | mg/Kg | 150        | 156    |   | 104        | 80 - 120          | P |
| Lead       | mg/Kg | 50.0       | 49.3   |   | 99         | 80 - 120          | P |
| Magnesium  | mg/Kg | 100        | 96.4   | J | 96         | 80 - 120          | P |
| Manganese  | mg/Kg | 10.0       | 10.0   |   | 100        | 80 - 120          | P |
| Molybdenum | mg/Kg | 20.0       | 20.9   |   | 104        | 80 - 120          | P |
| Nickel     | mg/Kg | 25.0       | 25.4   |   | 102        | 80 - 120          | P |
| Potassium  | mg/Kg | 500        | 487    |   | 97         | 80 - 120          | P |
| Selenium   | mg/Kg | 100        | 105    |   | 105        | 80 - 120          | P |
| Silver     | mg/Kg | 3.8        | 3.81   |   | 100        | 80 - 120          | P |
| Sodium     | mg/Kg | 150        | 141    |   | 94         | 80 - 120          | P |
| Strontium  | mg/Kg | 10.0       | 9.71   | J | 97         | 80 - 120          | P |
| Lithium    | mg/Kg | 10.0       | 9.94   |   | 99         | 80 - 120          | P |
| Thallium   | mg/Kg | 100        | 101    |   | 101        | 80 - 120          | P |
| Tin        | mg/Kg | 35.0       | 35.6   |   | 102        | 80 - 120          | P |
| Titanium   | mg/Kg | 10.0       | 9.79   |   | 98         | 80 - 120          | P |
| Vanadium   | mg/Kg | 15.0       | 14.8   |   | 99         | 80 - 120          | P |
| Zinc       | mg/Kg | 10.0       | 9.46   |   | 95         | 80 - 120          | P |

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Alliance Technical Group, LLC - Newark

SDG No.: Q1872

Contract: ALLI03

Lab Code: CHEM

Case No.: Q1872

SAS No.: Q1872

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB168173BS<br>Mercury | mg/Kg | 0.25       | 0.22   |   | 86            | 80 - 124             | CV |

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

**SAMPLE NO.**

SC-1-SED-051625L

**Lab Name:** Chemtech Consulting Group **Contract:** ALLI03  
**Lab Code:** CHEM **Lb No.:** lb135943 **Lab Sample ID :** Q2085-04L **SDG No.:** Q1872  
**Matrix (soil/water):** Solid **Level (low/med):** LOW  
**Concentration Units:** mg/Kg

| Analyte | Initial Sample<br>Result (I) | Serial Dilution<br>Result (S) | % Differ-<br>ence | Q | M  |
|---------|------------------------------|-------------------------------|-------------------|---|----|
| Mercury | 0.017 U                      | 0.086 U                       |                   |   | CV |



# METAL PREPARATION & INSTRUMENT DATA

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

**Instrument ID:**

**Date:**

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

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement 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**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

**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**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

**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 INTERELEMENT CORRECTION FACTORS**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

**Instrument ID:**

**Date:**

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

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement 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:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

**Case No.:** Q1872

**SAS No.:** Q1872

**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:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

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

**Case No.:** Q1872      **SAS No.:** Q1872

| Sample ID                     | Client ID          | Sample Type | Matrix | Prep Date  | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|--------------------|-------------|--------|------------|------------------------|--------------------------|----------------|
| <b>Batch Number: PB167748</b> |                    |             |        |            |                        |                          |                |
| PB167748BL                    | PB167748BL         | MB          | SOLID  | 04/25/2025 | 2.00                   | 100.0                    | 100.00         |
| PB167748BS                    | PB167748BS         | LCS         | SOLID  | 04/25/2025 | 2.00                   | 100.0                    | 100.00         |
| Q1872-10                      | HW0425-PT-MET-SOIL | SAM         | SOLID  | 04/25/2025 | 2.30                   | 100.0                    | 100.00         |

**Metals**

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**SAMPLE PREPARATION SUMMARY**

**Client:** Alliance Technical Group, LLC - Newark

**SDG No.:** Q1872

**Contract:** ALLI03

**Lab Code:** CHEM

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

**Case No.:** Q1872      **SAS No.:** Q1872

| Sample ID                     | Client ID          | Sample Type | Matrix | Prep Date  | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|--------------------|-------------|--------|------------|------------------------|--------------------------|----------------|
| <b>Batch Number: PB168173</b> |                    |             |        |            |                        |                          |                |
| PB168173BL                    | PB168173BL         | MB          | SOLID  | 05/28/2025 | 0.50                   | 35.0                     | 100.00         |
| PB168173BS                    | PB168173BS         | LCS         | SOLID  | 05/28/2025 | 0.57                   | 35.0                     | 100.00         |
| Q1872-10                      | HW0425-PT-MET-SOIL | SAM         | SOLID  | 05/28/2025 | 0.52                   | 35.0                     | 100.00         |
| Q2085-04DUP                   | SC-1-SED-051625DUP | DUP         | SOLID  | 05/28/2025 | 0.55                   | 35.0                     | 70.50          |
| Q2085-05                      | SC-1-SED-051625MS  | MS          | SOLID  | 05/28/2025 | 0.56                   | 35.0                     | 70.50          |
| Q2085-06                      | SC-1-SED-051625MSD | MSD         | SOLID  | 05/28/2025 | 0.54                   | 35.0                     | 70.50          |

**metals**  
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**ANALYSIS RUN LOG**

**Client:** Alliance Technical Group, LLC - Newark

**Contract:** ALLI03

**Lab code:** CHEM

**Case no.:** Q1872

**Sas no.:** Q1872

**Sdg no.:** Q1872

**Instrument id number:**

**Method:**

**Run number:** LB135943

**Start date:** 05/29/2025

**End date:** 05/29/2025

| Lab sample id. | Client Sample Id   | d/f | Time | Parameter list |
|----------------|--------------------|-----|------|----------------|
| S0             | S0                 | 1   | 1053 | HG             |
| S0.2           | S0.2               | 1   | 1055 | HG             |
| S2.5           | S2.5               | 1   | 1057 | HG             |
| S5             | S5                 | 1   | 1110 | HG             |
| S7.5           | S7.5               | 1   | 1112 | HG             |
| S10            | S10                | 1   | 1115 | HG             |
| ICV21          | ICV21              | 1   | 1118 | HG             |
| ICB21          | ICB21              | 1   | 1120 | HG             |
| CCV76          | CCV76              | 1   | 1122 | HG             |
| CCB76          | CCB76              | 1   | 1127 | HG             |
| CRA            | CRA                | 1   | 1138 | HG             |
| PB168173BL     | PB168173BL         | 1   | 1155 | HG             |
| PB168173BS     | PB168173BS         | 1   | 1158 | HG             |
| CCV77          | CCV77              | 1   | 1225 | HG             |
| CCB77          | CCB77              | 1   | 1230 | HG             |
| Q2085-04DUP    | SC-1-SED-051625DUP | 1   | 1232 | HG             |
| Q2085-05       | SC-1-SED-051625MS  | 1   | 1243 | HG             |
| Q2085-06       | SC-1-SED-051625MSD | 1   | 1245 | HG             |
| Q2085-04L      | SC-1-SED-051625L   | 5   | 1257 | HG             |
| CCV78          | CCV78              | 1   | 1301 | HG             |
| CCB78          | CCB78              | 1   | 1304 | HG             |
| Q1872-10       | HW0425-PT-MET-SOIL | 50  | 1308 | HG             |
| CCV79          | CCV79              | 1   | 1319 | HG             |
| CCB79          | CCB79              | 1   | 1322 | HG             |

**metals**  
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**ANALYSIS RUN LOG**

**Client:** Alliance Technical Group, LLC - Newark

**Contract:** ALLI03

**Lab code:** CHEM

**Case no.:** Q1872

**Sas no.:** Q1872

**Sdg no.:** Q1872

**Instrument id number:**

**Method:**

**Run number:** LB135969

**Start date:** 05/30/2025

**End date:** 05/30/2025

| Lab sample id. | Client Sample Id   | d/f | Time | Parameter list                                                                   |
|----------------|--------------------|-----|------|----------------------------------------------------------------------------------|
| S0             | S0                 | 1   | 1416 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| S1             | S1                 | 1   | 1421 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| S2             | S2                 | 1   | 1425 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| S3             | S3                 | 1   | 1429 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| S4             | S4                 | 1   | 1433 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| S5             | S5                 | 1   | 1437 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| ICV01          | ICV01              | 1   | 1513 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| LLICV01        | LLICV01            | 1   | 1521 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| ICB01          | ICB01              | 1   | 1526 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CRI01          | CRI01              | 1   | 1530 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| ICSA01         | ICSA01             | 1   | 1534 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| ICSAB01        | ICSAB01            | 1   | 1549 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCV01          | CCV01              | 1   | 1602 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCB01          | CCB01              | 1   | 1606 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCV02          | CCV02              | 1   | 1652 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCB02          | CCB02              | 1   | 1656 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCV03          | CCV03              | 1   | 1741 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCB03          | CCB03              | 1   | 1745 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCV04          | CCV04              | 1   | 1828 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCB04          | CCB04              | 1   | 1832 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| Q1872-10       | HW0425-PT-MET-SOIL | 1   | 1837 | Ag,Al,As,B,Ba,Be,Ca,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn    |
| Q1872-10       | HW0425-PT-MET-SOIL | 5   | 1846 | Cd                                                                               |
| CCV05          | CCV05              | 1   | 1858 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCB05          | CCB05              | 1   | 1902 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| PB167748BL     | PB167748BL         | 1   | 1922 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| PB167748BS     | PB167748BS         | 1   | 1926 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCV06          | CCV06              | 1   | 1930 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |
| CCB06          | CCB06              | 1   | 1934 | Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Mo,Na,Ni,Pb,Sb,Se,Sn,Sr,Ti,Tl,V,Zn |