

## Report of Analysis

Client: Alliance Technical Group, LLC - Newark  
Project: LOD-LOQ-MDL Study  
Client Sample ID: LOD-MDL-SOIL-01-QT3-2025  
Lab Sample ID: Q2893-01  
Level (low/med): low

Date Collected: 08/18/25  
Date Received: 08/18/25  
SDG No.: Q2893  
Matrix: SOIL  
% Solid: 100

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 9.25  | J    | 1  | 1.68  | 10.0       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-36-0 | Antimony  | 4.25  | J    | 1  | 0.44  | 5.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-38-2 | Arsenic   | 1.80  | J    | 1  | 0.38  | 2.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 7.23  | J    | 1  | 1.46  | 10.0       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-41-7 | Beryllium | 0.49  | J    | 1  | 0.050 | 0.60       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 0.44  | J    | 1  | 0.048 | 0.60       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-70-2 | Calcium   | 158   | J    | 1  | 22.2  | 200        | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 0.79  | J    | 1  | 0.094 | 1.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-48-4 | Cobalt    | 2.25  | J    | 1  | 0.20  | 3.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-50-8 | Copper    | 1.78  | J    | 1  | 0.44  | 2.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7439-89-6 | Iron      | 9.23  | J    | 1  | 7.98  | 10.0       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 1.04  | J    | 1  | 0.26  | 1.20       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7439-95-4 | Magnesium | 160   | J    | 1  | 24.0  | 200        | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7439-96-5 | Manganese | 1.63  | J    | 1  | 0.28  | 2.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-02-0 | Nickel    | 3.03  | J    | 1  | 0.26  | 4.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-09-7 | Potassium | 225   |      | 1  | 55.4  | 200        | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7782-49-2 | Selenium  | 1.93  | J    | 1  | 0.52  | 2.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 0.82  | J    | 1  | 0.24  | 1.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-23-5 | Sodium    | 229   |      | 1  | 35.6  | 200        | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-28-0 | Thallium  | 3.96  | J    | 1  | 0.46  | 4.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-62-2 | Vanadium  | 2.91  | J    | 1  | 0.50  | 4.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |
| 7440-66-6 | Zinc      | 3.28  | J    | 1  | 0.46  | 4.00       | mg/Kg | 10/15/25 09:30 | 10/17/25 13:51 | 6010D    | SW3050    |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits