

## Report of Analysis

|                   |                            |                 |          |
|-------------------|----------------------------|-----------------|----------|
| Client:           | CDM Smith                  | Date Collected: | 07/03/25 |
| Project:          | South River WM Replacement | Date Received:  | 07/03/25 |
| Client Sample ID: | TP-78                      | SDG No.:        | Q2514    |
| Lab Sample ID:    | Q2514-08                   | Matrix:         | SOIL     |
| Level (low/med):  | low                        | % Solid:        | 86.3     |

| Cas       | Parameter | Conc. | Qua. | DF | MDL    | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|--------|------------|-------------------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 6500  |      | 1  | 0.80   | 4.79       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-36-0 | Antimony  | 1.41  | JN   | 1  | 0.21   | 2.39       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-38-2 | Arsenic   | 8.20  |      | 1  | 0.18   | 0.96       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 14.0  |      | 1  | 0.70   | 4.79       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-41-7 | Beryllium | 0.67  | N    | 1  | 0.024  | 0.29       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 0.023 | U    | 1  | 0.023  | 0.29       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-70-2 | Calcium   | 137   |      | 1  | 10.6   | 95.8       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 16.6  |      | 1  | 0.045  | 0.48       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-48-4 | Cobalt    | 1.74  | N    | 1  | 0.096  | 1.44       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-50-8 | Copper    | 2.21  | N    | 1  | 0.21   | 0.96       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7439-89-6 | Iron      | 24500 |      | 1  | 3.82   | 4.79       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 8.24  | *    | 1  | 0.12   | 0.57       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7439-95-4 | Magnesium | 489   |      | 1  | 11.5   | 95.8       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7439-96-5 | Manganese | 37.9  | *    | 1  | 0.13   | 0.96       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7439-97-6 | Mercury   | 0.030 |      | 1  | 0.0080 | 0.015      | mg/Kg             | 07/15/25 15:40 | 07/16/25 14:03 | 7471B    |           |
| 7440-02-0 | Nickel    | 4.32  |      | 1  | 0.12   | 1.92       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-09-7 | Potassium | 640   |      | 1  | 26.5   | 95.8       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7782-49-2 | Selenium  | 6.57  | N    | 1  | 0.25   | 0.96       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 0.12  | JN   | 1  | 0.12   | 0.48       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-23-5 | Sodium    | 154   | N    | 1  | 17.0   | 95.8       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-28-0 | Thallium  | 0.22  | U    | 1  | 0.22   | 1.92       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-62-2 | Vanadium  | 41.8  | N*   | 1  | 0.24   | 1.92       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |
| 7440-66-6 | Zinc      | 15.7  |      | 1  | 0.11   | 1.92       | mg/Kg             | 07/07/25 10:05 | 07/09/25 20:14 | 6010D    | SW3050    |

|               |            |                 |            |        |
|---------------|------------|-----------------|------------|--------|
| Color Before: | Brown      | Clarity Before: | Texture:   | Medium |
| Color After:  | Yellow     | Clarity After:  | Artifacts: |        |
| Comments:     | METALS-TAL |                 |            |        |

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