

## Report of Analysis

|                   |                            |                 |          |
|-------------------|----------------------------|-----------------|----------|
| Client:           | CDM Smith                  | Date Collected: | 05/13/25 |
| Project:          | South River WM Replacement | Date Received:  | 05/13/25 |
| Client Sample ID: | TP-24                      | SDG No.:        | Q2032    |
| Lab Sample ID:    | Q2032-04                   | Matrix:         | SOIL     |
| Level (low/med):  | low                        | % Solid:        | 74.2     |

| Cas       | Parameter | Conc. | Qua. | DF | MDL    | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|--------|------------|-------------------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 4380  | *    | 1  | 0.93   | 5.55       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-36-0 | Antimony  | 0.24  | UN   | 1  | 0.24   | 2.77       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-38-2 | Arsenic   | 3.54  |      | 1  | 0.21   | 1.11       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 18.5  | N    | 1  | 0.81   | 5.55       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-41-7 | Beryllium | 0.38  |      | 1  | 0.028  | 0.33       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 0.27  | J    | 1  | 0.027  | 0.33       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-70-2 | Calcium   | 351   | *    | 1  | 12.3   | 111        | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 16.8  |      | 1  | 0.052  | 0.56       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-48-4 | Cobalt    | 1.63  | J    | 1  | 0.11   | 1.66       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-50-8 | Copper    | 13.5  |      | 1  | 0.24   | 1.11       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7439-89-6 | Iron      | 24300 | *    | 1  | 4.43   | 5.55       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 11.7  | *    | 1  | 0.14   | 0.67       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7439-95-4 | Magnesium | 287   | N*   | 1  | 13.3   | 111        | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7439-96-5 | Manganese | 16.5  | N*   | 1  | 0.16   | 1.11       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7439-97-6 | Mercury   | 0.030 |      | 1  | 0.0090 | 0.016      | mg/Kg             | 05/15/25 08:55 | 05/15/25 14:08 | 7471B    |           |
| 7440-02-0 | Nickel    | 2.56  |      | 1  | 0.14   | 2.22       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-09-7 | Potassium | 427   | N    | 1  | 30.7   | 111        | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7782-49-2 | Selenium  | 0.29  | UN   | 1  | 0.29   | 1.11       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 0.13  | UN   | 1  | 0.13   | 0.56       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-23-5 | Sodium    | 388   | N*   | 1  | 19.7   | 111        | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-28-0 | Thallium  | 1.91  | J    | 1  | 0.26   | 2.22       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-62-2 | Vanadium  | 26.4  | N*   | 1  | 0.28   | 2.22       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 6010D    | SW3050    |
| 7440-66-6 | Zinc      | 15.3  | N    | 1  | 0.26   | 2.22       | mg/Kg             | 05/15/25 10:05 | 05/20/25 14:58 | 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