

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

**SDG No.:** Q2032

**Order ID:** Q2032

**Client:** CDM Smith

**Project ID:** South River WM Replacement

| Sample ID                | Client ID | Matrix | Parameter | Concentration | C | MDL    | RDL   | Units |
|--------------------------|-----------|--------|-----------|---------------|---|--------|-------|-------|
| <b>Client ID : TP-11</b> |           |        |           |               |   |        |       |       |
| Q2032-01                 | TP-11     | SOIL   | Aluminum  | 3420          |   | 0.99   | 5.88  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Arsenic   | 7.54          |   | 0.22   | 1.18  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Barium    | 10.3          |   | 0.86   | 5.88  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Beryllium | 0.40          |   | 0.029  | 0.35  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Cadmium   | 0.33          | J | 0.028  | 0.35  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Calcium   | 278           |   | 13.0   | 118   | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Chromium  | 12.7          |   | 0.055  | 0.59  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Cobalt    | 1.49          | J | 0.12   | 1.76  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Copper    | 9.16          |   | 0.26   | 1.18  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Iron      | 17000         |   | 4.69   | 5.88  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Lead      | 10.3          |   | 0.15   | 0.71  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Magnesium | 285           |   | 14.1   | 118   | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Manganese | 31.5          |   | 0.17   | 1.18  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Mercury   | 0.033         |   | 0.010  | 0.017 | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Nickel    | 1.98          | J | 0.15   | 2.35  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Potassium | 322           |   | 32.6   | 118   | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Sodium    | 211           |   | 20.9   | 118   | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Thallium  | 1.41          | J | 0.27   | 2.35  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Vanadium  | 17.8          |   | 0.29   | 2.35  | mg/Kg |
| Q2032-01                 | TP-11     | SOIL   | Zinc      | 10.7          |   | 0.27   | 2.35  | mg/Kg |
| <b>Client ID : TP-29</b> |           |        |           |               |   |        |       |       |
| Q2032-02                 | TP-29     | SOIL   | Aluminum  | 8350          |   | 0.91   | 5.40  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Arsenic   | 4.45          |   | 0.21   | 1.08  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Barium    | 40.7          |   | 0.79   | 5.40  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Beryllium | 0.51          |   | 0.027  | 0.32  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Calcium   | 642           |   | 12.0   | 108   | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Chromium  | 13.8          |   | 0.051  | 0.54  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Cobalt    | 2.10          |   | 0.11   | 1.62  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Copper    | 4.85          |   | 0.24   | 1.08  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Iron      | 19400         |   | 4.31   | 5.40  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Lead      | 7.58          |   | 0.14   | 0.65  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Magnesium | 383           |   | 13.0   | 108   | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Manganese | 36.1          |   | 0.15   | 1.08  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Mercury   | 0.020         |   | 0.0090 | 0.016 | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Nickel    | 5.81          |   | 0.14   | 2.16  | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Potassium | 256           |   | 29.9   | 108   | mg/Kg |
| Q2032-02                 | TP-29     | SOIL   | Silver    | 0.22          | J | 0.13   | 0.54  | mg/Kg |

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| Sample ID                   | Client ID | Matrix | Parameter | Concentration | C | MDL    | RDL   | Units |
|-----------------------------|-----------|--------|-----------|---------------|---|--------|-------|-------|
| Q2032-02                    | TP-29     | SOIL   | Sodium    | 278           |   | 19.2   | 108   | mg/Kg |
| Q2032-02                    | TP-29     | SOIL   | Thallium  | 1.30          | J | 0.25   | 2.16  | mg/Kg |
| Q2032-02                    | TP-29     | SOIL   | Vanadium  | 24.8          |   | 0.27   | 2.16  | mg/Kg |
| Q2032-02                    | TP-29     | SOIL   | Zinc      | 14.0          |   | 0.25   | 2.16  | mg/Kg |
| <b>Client ID : TP-29-99</b> |           |        |           |               |   |        |       |       |
| Q2032-03                    | TP-29-99  | SOIL   | Aluminum  | 4670          |   | 0.91   | 5.41  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Arsenic   | 3.71          |   | 0.21   | 1.08  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Barium    | 27.3          |   | 0.79   | 5.41  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Beryllium | 0.41          |   | 0.027  | 0.33  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Calcium   | 641           |   | 12.0   | 108   | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Chromium  | 10.3          |   | 0.051  | 0.54  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Cobalt    | 1.82          |   | 0.11   | 1.62  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Copper    | 5.19          |   | 0.24   | 1.08  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Iron      | 16400         |   | 4.32   | 5.41  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Lead      | 14.3          |   | 0.14   | 0.65  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Magnesium | 308           |   | 13.0   | 108   | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Manganese | 49.9          |   | 0.15   | 1.08  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Mercury   | 0.14          |   | 0.0090 | 0.016 | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Nickel    | 3.76          |   | 0.14   | 2.16  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Potassium | 192           |   | 30.0   | 108   | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Sodium    | 198           |   | 19.3   | 108   | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Thallium  | 0.99          | J | 0.25   | 2.16  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Vanadium  | 19.1          |   | 0.27   | 2.16  | mg/Kg |
| Q2032-03                    | TP-29-99  | SOIL   | Zinc      | 12.8          |   | 0.25   | 2.16  | mg/Kg |
| <b>Client ID : TP-24</b>    |           |        |           |               |   |        |       |       |
| Q2032-04                    | TP-24     | SOIL   | Aluminum  | 4380          |   | 0.93   | 5.55  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Arsenic   | 3.54          |   | 0.21   | 1.11  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Barium    | 18.5          |   | 0.81   | 5.55  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Beryllium | 0.38          |   | 0.028  | 0.33  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Cadmium   | 0.27          | J | 0.027  | 0.33  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Calcium   | 351           |   | 12.3   | 111   | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Chromium  | 16.8          |   | 0.052  | 0.56  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Cobalt    | 1.63          | J | 0.11   | 1.66  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Copper    | 13.5          |   | 0.24   | 1.11  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Iron      | 24300         |   | 4.43   | 5.55  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Lead      | 11.7          |   | 0.14   | 0.67  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Magnesium | 287           |   | 13.3   | 111   | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Manganese | 16.5          |   | 0.16   | 1.11  | mg/Kg |
| Q2032-04                    | TP-24     | SOIL   | Mercury   | 0.030         |   | 0.0090 | 0.016 | mg/Kg |

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|--------------------------|-----------|--------|-----------|---------------|---|--------|-------|-------|
| Q2032-04                 | TP-24     | SOIL   | Nickel    | 2.56          |   | 0.14   | 2.22  | mg/Kg |
| Q2032-04                 | TP-24     | SOIL   | Potassium | 427           |   | 30.7   | 111   | mg/Kg |
| Q2032-04                 | TP-24     | SOIL   | Sodium    | 388           |   | 19.7   | 111   | mg/Kg |
| Q2032-04                 | TP-24     | SOIL   | Thallium  | 1.91          | J | 0.26   | 2.22  | mg/Kg |
| Q2032-04                 | TP-24     | SOIL   | Vanadium  | 26.4          |   | 0.28   | 2.22  | mg/Kg |
| Q2032-04                 | TP-24     | SOIL   | Zinc      | 15.3          |   | 0.26   | 2.22  | mg/Kg |
| <b>Client ID : TP-37</b> |           |        |           |               |   |        |       |       |
| Q2032-07                 | TP-37     | SOIL   | Aluminum  | 3890          |   | 0.95   | 5.66  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Arsenic   | 5.80          |   | 0.22   | 1.13  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Barium    | 36.0          |   | 0.83   | 5.66  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Beryllium | 0.39          |   | 0.028  | 0.34  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Cadmium   | 0.049         | J | 0.027  | 0.34  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Calcium   | 763           |   | 12.6   | 113   | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Chromium  | 16.7          |   | 0.053  | 0.57  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Cobalt    | 1.68          | J | 0.11   | 1.70  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Copper    | 6.43          |   | 0.25   | 1.13  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Iron      | 11700         |   | 4.52   | 5.66  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Lead      | 7.40          |   | 0.15   | 0.68  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Magnesium | 182           |   | 13.6   | 113   | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Manganese | 18.1          |   | 0.16   | 1.13  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Mercury   | 0.021         |   | 0.0090 | 0.017 | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Nickel    | 4.26          |   | 0.15   | 2.27  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Potassium | 127           |   | 31.4   | 113   | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Sodium    | 150           |   | 20.2   | 113   | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Thallium  | 0.80          | J | 0.26   | 2.27  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Vanadium  | 23.6          |   | 0.28   | 2.27  | mg/Kg |
| Q2032-07                 | TP-37     | SOIL   | Zinc      | 20.7          |   | 0.26   | 2.27  | mg/Kg |
| <b>Client ID : TP-32</b> |           |        |           |               |   |        |       |       |
| Q2032-08                 | TP-32     | SOIL   | Aluminum  | 4640          |   | 0.81   | 4.84  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Arsenic   | 2.14          |   | 0.18   | 0.97  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Barium    | 20.9          |   | 0.71   | 4.84  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Beryllium | 0.39          |   | 0.024  | 0.29  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Cadmium   | 0.14          | J | 0.023  | 0.29  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Calcium   | 147           |   | 10.8   | 96.8  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Chromium  | 5.85          |   | 0.046  | 0.48  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Cobalt    | 2.63          |   | 0.097  | 1.45  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Copper    | 4.25          |   | 0.21   | 0.97  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Iron      | 10600         |   | 3.86   | 4.84  | mg/Kg |
| Q2032-08                 | TP-32     | SOIL   | Lead      | 22.1          |   | 0.13   | 0.58  | mg/Kg |

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| Sample ID                      | Client ID   | Matrix | Parameter | Concentration | C | MDL    | RDL   | Units |
|--------------------------------|-------------|--------|-----------|---------------|---|--------|-------|-------|
| Q2032-08                       | TP-32       | SOIL   | Magnesium | 242           |   | 11.6   | 96.8  | mg/Kg |
| Q2032-08                       | TP-32       | SOIL   | Manganese | 49.6          |   | 0.14   | 0.97  | mg/Kg |
| Q2032-08                       | TP-32       | SOIL   | Mercury   | 0.069         |   | 0.0090 | 0.016 | mg/Kg |
| Q2032-08                       | TP-32       | SOIL   | Nickel    | 3.02          |   | 0.13   | 1.94  | mg/Kg |
| Q2032-08                       | TP-32       | SOIL   | Potassium | 93.4          | J | 26.8   | 96.8  | mg/Kg |
| Q2032-08                       | TP-32       | SOIL   | Sodium    | 66.9          | J | 17.2   | 96.8  | mg/Kg |
| Q2032-08                       | TP-32       | SOIL   | Thallium  | 0.61          | J | 0.22   | 1.94  | mg/Kg |
| Q2032-08                       | TP-32       | SOIL   | Vanadium  | 13.9          |   | 0.24   | 1.94  | mg/Kg |
| Q2032-08                       | TP-32       | SOIL   | Zinc      | 9.33          |   | 0.22   | 1.94  | mg/Kg |
| <b>Client ID : FB-05132025</b> |             |        |           |               |   |        |       |       |
| Q2032-11                       | FB-05132025 | Water  | Manganese | 3.50          | J | 2.97   | 10.0  | ug/L  |
| Q2032-11                       | FB-05132025 | Water  | Zinc      | 16.0          | J | 8.33   | 20.0  | ug/L  |