

## Report of Analysis

|                    |                            |                 |               |
|--------------------|----------------------------|-----------------|---------------|
| Client:            | CDM Smith                  | Date Collected: |               |
| Project:           | South River WM Replacement | Date Received:  |               |
| Client Sample ID:  | VY0520SBL01                | SDG No.:        | Q2032         |
| Lab Sample ID:     | VY0520SBL01                | Matrix:         | SOIL          |
| Analytical Method: | 8260D                      | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 Units: g                 | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  | uL                         | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624 ID : 0.25          | Level :         | LOW           |
| Prep Method :      |                            |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY022330.D        | 1         |           | 05/20/25 09:48 | VY052025      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 1.30  | U         | 1.30 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 1.20  | U         | 1.20 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 4.70  | U         | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.73  | U         | 0.73 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 1.50  | U         | 1.50 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 3.50  | U         | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.86  | U         | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.80  | U         | 0.80 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 6.50  | U         | 6.50 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 0.97  | U         | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.75 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 1.20  | U         | 1.20 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 0.84  | U         | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.93  | U         | 0.93 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 0.81  | U         | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 3.60  | U         | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |

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| Project:           | South River WM Replacement | Date Received:  |               |
| Client Sample ID:  | VY0520SBL01                | SDG No.:        | Q2032         |
| Lab Sample ID:     | VY0520SBL01                | Matrix:         | SOIL          |
| Analytical Method: | 8260D                      | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 Units: g                 | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  | uL                         | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624 ID : 0.25          | Level :         | LOW           |
| Prep Method :      |                            |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY022330.D        | 1         |           | 05/20/25 09:48 | VY052025      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|----------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.65   | U         | 0.65     | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.62   | U         | 0.62     | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.92   | U         | 0.92     | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 3.70   | U         | 3.70     | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 0.87   | U         | 0.87     | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 0.88   | U         | 0.88     | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 1.10   | U         | 1.10     | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 0.91   | U         | 0.91     | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 0.67   | U         | 0.67     | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 1.20   | U         | 1.20     | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 0.82   | U         | 0.82     | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 0.71   | U         | 0.71     | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 0.86   | U         | 0.86     | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 0.78   | U         | 0.78     | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.20   | U         | 1.20     | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.70   | U         | 1.70     | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.60   | U         | 1.60     | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.50   | U         | 1.50     | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.80   | U         | 1.80     | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 3.00   | U         | 3.00     | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 3.20   | U         | 3.20     | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |          |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 45.7   |           | 63 - 155 | 91%        | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 48.3   |           | 70 - 134 | 97%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 48.6   |           | 74 - 123 | 97%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 52.5   |           | 38 - 136 | 105%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 254000 | 7.707     |          |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 453000 | 8.615     |          |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 356000 | 11.42     |          |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 125000 | 13.346    |          |            |                   |

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| Client Sample ID:  | VY0520SBL01                | SDG No.:        | Q2032         |
| Lab Sample ID:     | VY0520SBL01                | Matrix:         | SOIL          |
| Analytical Method: | 8260D                      | % Solid:        | 100           |
| Sample Wt/Vol:     | 5                          | Units:          | g             |
| Soil Aliquot Vol:  |                            |                 | uL            |
| GC Column:         | RXI-624                    | ID :            | 0.25          |
| Prep Method :      |                            | Level :         | LOW           |
|                    |                            | Final Vol:      | 5000          |
|                    |                            | Test:           | VOC-TCLVOA-10 |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY022330.D        | 1         |           | 05/20/25 09:48 | VY052025      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products