

## Report of Analysis

|                    |                            |                 |              |
|--------------------|----------------------------|-----------------|--------------|
| Client:            | Arcadis                    | Date Collected: | 09/09/25     |
| Project:           | ARC Sayreville PostEx 2025 | Date Received:  | 09/11/25     |
| Client Sample ID:  | PMW-8D(20250909)           | SDG No.:        | Q3084        |
| Lab Sample ID:     | Q3084-03                   | Matrix:         | Water        |
| Analytical Method: | SOM02.2-Trace              | % Solid:        | 0            |
| Sample Wt/Vol:     | 25 Units: mL               | Final Vol:      | 25000 uL     |
| Soil Aliquot Vol:  | uL                         | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI ID : 0.18         | Level :         |              |
| Prep Method :      |                            |                 |              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VV039086.D        | 1         | 09/15/25 17:50 | VV091525      |

| CAS Number        | Parameter                    | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|------------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                              |       |           |          |            |         |
| 75-01-4           | Vinyl chloride               | 6.40  |           | 0.097    | 0.50       | ug/L    |
| 75-35-4           | 1,1-Dichloroethene           | 1.10  |           | 0.14     | 0.50       | ug/L    |
| 75-09-2           | Methylene chloride           | 0.17  | JB        | 0.15     | 0.50       | ug/L    |
| 75-34-3           | 1,1-Dichloroethane           | 19.0  |           | 0.089    | 0.50       | ug/L    |
| 156-59-2          | cis-1,2-Dichloroethene       | 140   | E         | 0.088    | 0.50       | ug/L    |
| 67-66-3           | Chloroform                   | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 71-55-6           | 1,1,1-Trichloroethane        | 0.083 | U         | 0.083    | 0.50       | ug/L    |
| 71-43-2           | Benzene                      | 3.00  |           | 0.063    | 0.50       | ug/L    |
| 107-06-2          | 1,2-Dichloroethane           | 7.10  |           | 0.10     | 0.50       | ug/L    |
| 79-01-6           | Trichloroethene              | 0.41  | J         | 0.13     | 0.50       | ug/L    |
| 108-88-3          | Toluene                      | 0.060 | U         | 0.060    | 0.50       | ug/L    |
| 127-18-4          | Tetrachloroethene            | 0.34  | U         | 0.34     | 0.50       | ug/L    |
| 108-90-7          | Chlorobenzene                | 4.50  |           | 0.083    | 0.50       | ug/L    |
| 95-47-6           | o-Xylene                     | 0.073 | U         | 0.073    | 0.50       | ug/L    |
| 179601-23-1       | m,p-Xylene                   | 0.060 | U         | 0.060    | 0.50       | ug/L    |
| 79-34-5           | 1,1,2,2-Tetrachloroethane    | 0.097 | U         | 0.097    | 0.50       | ug/L    |
| 106-46-7          | 1,4-Dichlorobenzene          | 34.0  | E         | 0.15     | 0.50       | ug/L    |
| 120-82-1          | 1,2,4-trichlorobenzene       | 0.35  | U         | 0.35     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                              |       |           |          |            |         |
| 6745-35-3         | Vinyl Chloride-d3            | 4.50  |           | 40 - 130 | 89.06%     | SPK: 5  |
| 19199-91-8        | Chloroethane-d5              | 4.50  |           | 65 - 130 | 89%        | SPK: 5  |
| 22280-73-5        | 1,1-Dichloroethene-d2        | 4.10  |           | 60 - 125 | 82.56%     | SPK: 5  |
| 24313-50-6        | 2-Butanone-d5                | 51.0  |           | 40 - 130 | 101.19%    | SPK: 50 |
| 865-49-6          | Chloroform-d                 | 4.70  |           | 70 - 125 | 93.44%     | SPK: 5  |
| 17060-07-0        | 1,2-Dichloroethane-d4        | 4.70  |           | 70 - 130 | 94.86%     | SPK: 5  |
| 1076-43-3         | Benzene-d6                   | 4.70  |           | 70 - 125 | 94.5%      | SPK: 5  |
| 93952-08-0        | 1,2-Dichloropropane-d6       | 4.90  |           | 60 - 140 | 98.78%     | SPK: 5  |
| 2037-26-5         | Toluene-d8                   | 4.10  |           | 70 - 130 | 81.06%     | SPK: 5  |
| 93951-86-1        | trans-1,3-Dichloropropene-d4 | 4.50  |           | 55 - 130 | 89.64%     | SPK: 5  |
| 4840-82-8         | 2-Hexanone-d5                | 44.0  |           | 45 - 130 | 87.4%      | SPK: 50 |
| 33685-54-0        | 1,1,2,2-Tetrachloroethane-d2 | 4.80  |           | 65 - 120 | 95.26%     | SPK: 5  |

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|---------------------------------------|--------------------------|--------|-----------|----------|------------|--------|
| 2199-69-1                             | 1,2-Dichlorobenzene-d4   | 4.90   |           | 80 - 120 | 98.08%     | SPK: 5 |
| <b>INTERNAL STANDARDS</b>             |                          |        |           |          |            |        |
| 3114-55-4                             | Chlorobenzene-d5         | 384000 | 8.776     |          |            |        |
| 540-36-3                              | 1,4-Difluorobenzene      | 386000 | 5.535     |          |            |        |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4   | 171000 | 11.175    |          |            |        |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                          |        |           |          |            |        |
| 156-60-5                              | trans-1,2-Dichloroethene | 5.70   | J         |          | 2.71       | ug/L   |
| 1634-04-4                             | Methyl tert-butyl Ether  | 0.86   | J         |          | 2.71       | ug/L   |
| 541-73-1                              | 1,3-Dichlorobenzene      | 4.60   | J         |          | 11.1       | ug/L   |
| 95-50-1                               | 1,2-Dichlorobenzene      | 0.53   | J         |          | 11.6       | ug/L   |

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