

## Report of Analysis

|                    |                                               |           |                 |              |    |
|--------------------|-----------------------------------------------|-----------|-----------------|--------------|----|
| Client:            | AECOM Technical Services, Inc.                |           | Date Collected: | 12/09/24     |    |
| Project:           | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 |           | Date Received:  | 12/11/24     |    |
| Client Sample ID:  | RE122D1-20241209DL                            |           | SDG No.:        | P5261        |    |
| Lab Sample ID:     | P5261-01DL                                    |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                                        |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044323.D        | 10        |           | 12/16/24 14:57 | VX121624      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 5.00  | UD        | 2.10 | 5.00 | 10.0       | ug/L  |
| 74-87-3        | Chloromethane                  | 5.00  | UD        | 3.50 | 5.00 | 10.0       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 7.50  | UD        | 3.40 | 7.50 | 10.0       | ug/L  |
| 74-83-9        | Bromomethane                   | 37.5  | UD        | 13.6 | 37.5 | 50.0       | ug/L  |
| 75-00-3        | Chloroethane                   | 7.50  | UD        | 5.60 | 7.50 | 10.0       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 5.00  | UD        | 3.40 | 5.00 | 10.0       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.00  | UD        | 2.50 | 5.00 | 10.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 7.50  | UD        | 2.60 | 7.50 | 10.0       | ug/L  |
| 67-64-1        | Acetone                        | 37.5  | UD        | 13.9 | 37.5 | 50.0       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 7.50  | UD        | 3.20 | 7.50 | 10.0       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 5.00  | UD        | 1.60 | 5.00 | 10.0       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 7.50  | UD        | 6.00 | 7.50 | 10.0       | ug/L  |
| 75-09-2        | Methylene Chloride             | 5.00  | UD        | 3.20 | 5.00 | 10.0       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 5.00  | UD        | 2.50 | 5.00 | 10.0       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 5.00  | UD        | 2.30 | 5.00 | 10.0       | ug/L  |
| 110-82-7       | Cyclohexane                    | 25.0  | UD        | 16.2 | 25.0 | 50.0       | ug/L  |
| 78-93-3        | 2-Butanone                     | 25.0  | UD        | 13.0 | 25.0 | 50.0       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 5.00  | UD        | 2.50 | 5.00 | 10.0       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 7.50  | UD        | 2.50 | 7.50 | 10.0       | ug/L  |
| 74-97-5        | Bromochloromethane             | 5.00  | UD        | 1.80 | 5.00 | 10.0       | ug/L  |
| 67-66-3        | Chloroform                     | 5.00  | UD        | 2.60 | 5.00 | 10.0       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 5.00  | UD        | 1.90 | 5.00 | 10.0       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 5.00  | UD        | 1.90 | 5.00 | 10.0       | ug/L  |
| 71-43-2        | Benzene                        | 5.00  | UD        | 1.60 | 5.00 | 10.0       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 5.00  | UD        | 2.40 | 5.00 | 10.0       | ug/L  |
| 79-01-6        | Trichloroethene                | 290   | D         | 3.20 | 7.50 | 10.0       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 5.00  | UD        | 1.90 | 5.00 | 10.0       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 5.00  | UD        | 2.40 | 5.00 | 10.0       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 25.0  | UD        | 7.50 | 25.0 | 50.0       | ug/L  |
| 108-88-3       | Toluene                        | 5.00  | UD        | 1.80 | 5.00 | 10.0       | ug/L  |

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| Project:           | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 |           | Date Received:  | 12/11/24     |    |
| Client Sample ID:  | RE122D1-20241209DL                            |           | SDG No.:        | P5261        |    |
| Lab Sample ID:     | P5261-01DL                                    |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260                                        |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                                             | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                                               | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI                                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                               |           |                 |              |    |

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| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044323.D        | 10        |           | 12/16/24 14:57 | VX121624      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 5.00   | UD        | 2.10     | 5.00 | 10.0       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 5.00   | UD        | 1.80     | 5.00 | 10.0       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 5.00   | UD        | 2.10     | 5.00 | 10.0       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 25.0   | UD        | 11.3     | 25.0 | 50.0       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 5.00   | UD        | 1.80     | 5.00 | 10.0       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 5.00   | UD        | 1.60     | 5.00 | 10.0       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 5.00   | UD        | 2.50     | 5.00 | 10.0       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 5.00   | UD        | 1.30     | 5.00 | 10.0       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 5.00   | UD        | 1.60     | 5.00 | 10.0       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 10.0   | UD        | 3.10     | 10.0 | 20.0       | ug/L    |
| 95-47-6                   | o-Xylene                    | 5.00   | UD        | 1.40     | 5.00 | 10.0       | ug/L    |
| 100-42-5                  | Styrene                     | 5.00   | UD        | 1.60     | 5.00 | 10.0       | ug/L    |
| 75-25-2                   | Bromoform                   | 5.00   | UD        | 2.10     | 5.00 | 10.0       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 5.00   | UD        | 1.30     | 5.00 | 10.0       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 5.00   | UD        | 2.70     | 5.00 | 10.0       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 5.00   | UD        | 2.40     | 5.00 | 10.0       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 5.00   | UD        | 2.70     | 5.00 | 10.0       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 5.00   | UD        | 1.90     | 5.00 | 10.0       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 7.50   | UD        | 4.60     | 7.50 | 10.0       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 5.00   | UD        | 4.20     | 5.00 | 10.0       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 7.50   | UD        | 5.10     | 7.50 | 10.0       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 48.3   |           | 81 - 118 |      | 97%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 47.1   |           | 80 - 119 |      | 94%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 51.5   |           | 89 - 112 |      | 103%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 46.9   |           | 85 - 114 |      | 94%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 118000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 224000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 196000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 78100  | 12.024    |          |      |            |         |

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|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

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