

## Report of Analysis

|                    |                                               |           |                 |              |    |
|--------------------|-----------------------------------------------|-----------|-----------------|--------------|----|
| Client:            | AECOM Technical Services, Inc.                |           | Date Collected: | 12/10/24     |    |
| Project:           | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 |           | Date Received:  | 12/11/24     |    |
| Client Sample ID:  | RE125D1-20241210MSD                           |           | SDG No.:        | P5261        |    |
| Lab Sample ID:     | P5261-14MSD                                   |           | 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 |
| VX044462.D        | 1         |           | 12/20/24 19:03 | VX122024      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 47.5  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 50.3  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 47.9  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 44.7  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 51.8  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 41.9  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 48.4  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 52.8  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 220   |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 52.0  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 47.3  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 30.0  |           | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 49.6  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 51.4  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 49.7  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 46.7  |           | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 230   |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 50.0  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 51.0  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 45.4  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 47.5  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 49.7  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 47.5  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 50.7  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 47.6  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 230   | E         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 49.1  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 51.9  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 240   |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 49.6  |           | 0.18 | 0.50 | 1.00       | ug/L  |

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| Project:           | NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258 | Date Received:  | 12/11/24     |
| Client Sample ID:  | RE125D1-20241210MSD                           | SDG No.:        | P5261        |
| Lab Sample ID:     | P5261-14MSD                                   | 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 |
| VX044462.D        | 1         |           | 12/20/24 19:03 | VX122024      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 40.1   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 42.7   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 51.6   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 240    |           | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 48.6   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 52.7   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 61.4   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 50.7   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 49.4   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 100    |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 50.1   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 52.0   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 51.9   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 49.5   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 48.4   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 51.7   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 49.3   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 50.3   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 47.1   |           | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 51.6   |           | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 50.9   |           | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 45.4   |           | 81 - 118 |      | 91%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 50.6   |           | 80 - 119 |      | 101%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.9   |           | 89 - 112 |      | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.0   |           | 85 - 114 |      | 100%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 129000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 230000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 201000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 94200  | 12.018    |          |      |            |         |

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| Lab Sample ID:     | P5261-14MSD                                   |           | Matrix:         | Water        |    |
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| GC Column:         | DB-624UI                                      | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                                               |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044462.D        | 1         |           | 12/20/24 19:03 | VX122024      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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