

## Report of Analysis

|                    |                                              |           |                 |              |
|--------------------|----------------------------------------------|-----------|-----------------|--------------|
| Client:            | Tetra Tech NUS, Inc.                         |           | Date Collected: |              |
| Project:           | NWIRP Bethpage CTO WE13 - VPB-192 #112G08005 |           | Date Received:  |              |
| Client Sample ID:  | VY0219SBS01                                  |           | SDG No.:        | Q1380        |
| Lab Sample ID:     | VY0219SBS01                                  |           | Matrix:         | SOIL         |
| Analytical Method: | SW8260                                       |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5                                            | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                                              | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624                                      | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                                              |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021238.D        | 1         |           | 02/19/25 15:49 | VY021925      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |      |            |                   |
| 74-87-3        | Chloromethane                  | 30.0  |           | 1.20 | 2.50 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 29.0  |           | 0.77 | 2.50 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 28.3  |           | 1.00 | 4.00 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 29.1  |           | 1.00 | 2.50 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 24.4  |           | 0.91 | 4.00 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 23.3  |           | 1.10 | 2.50 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 23.7  |           | 0.78 | 2.50 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 130   |           | 6.20 | 20.0 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 24.6  |           | 1.30 | 4.00 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 23.4  |           | 0.67 | 2.50 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 24.3  |           | 3.40 | 8.00 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 23.4  |           | 0.84 | 2.50 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 23.4  |           | 0.63 | 2.50 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 120   |           | 5.70 | 20.0 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 21.4  |           | 0.87 | 2.50 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 23.0  |           | 0.61 | 2.50 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 23.3  |           | 0.67 | 4.00 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 22.7  |           | 0.78 | 2.50 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 22.7  |           | 0.87 | 2.50 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 22.6  |           | 0.72 | 2.50 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 22.7  |           | 0.61 | 2.50 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 22.0  |           | 0.75 | 2.50 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 22.6  |           | 0.66 | 2.50 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 22.1  |           | 0.56 | 2.50 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |           | 4.40 | 12.5 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 22.6  |           | 0.67 | 2.50 | 5.00       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene          | 21.9  |           | 0.60 | 2.50 | 5.00       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene        | 22.2  |           | 0.57 | 2.50 | 5.00       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane          | 21.7  |           | 0.84 | 2.50 | 5.00       | ug/Kg             |
| 591-78-6       | 2-Hexanone                     | 110   |           | 4.80 | 12.5 | 25.0       | ug/Kg             |

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| Client Sample ID:  | VY0219SBS01                                  |           | SDG No.:        | Q1380        |
| Lab Sample ID:     | VY0219SBS01                                  |           | Matrix:         | SOIL         |
| Analytical Method: | SW8260                                       |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5                                            | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                                              | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624                                      | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                                              |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021238.D        | 1         |           | 02/19/25 15:49 | VY021925      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|---------------------------|--------|-----------|----------|------|------------|-------------------|
| 124-48-1                  | Dibromochloromethane      | 21.4   |           | 0.65     | 2.50 | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene         | 21.8   |           | 0.89     | 2.50 | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene             | 21.9   |           | 0.74     | 2.50 | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene             | 21.9   |           | 0.62     | 2.50 | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes               | 45.1   |           | 1.40     | 5.00 | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                  | 22.4   |           | 0.70     | 2.50 | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                   | 22.2   |           | 0.60     | 2.50 | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                 | 21.4   |           | 0.81     | 2.50 | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene          | 21.3   |           | 0.67     | 2.50 | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 20.7   |           | 1.10     | 2.50 | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene       | 21.1   |           | 0.74     | 2.50 | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene       | 21.1   |           | 0.80     | 2.50 | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene       | 20.8   |           | 0.59     | 2.50 | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                           |        |           |          |      |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 50.3   |           | 71 - 136 |      | 101%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane      | 48.6   |           | 78 - 119 |      | 97%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8                | 47.3   |           | 85 - 116 |      | 95%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene      | 50.7   |           | 79 - 119 |      | 101%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                           |        |           |          |      |            |                   |
| 363-72-4                  | Pentafluorobenzene        | 187000 | 7.713     |          |      |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene       | 302000 | 8.622     |          |      |            |                   |
| 3114-55-4                 | Chlorobenzene-d5          | 256000 | 11.42     |          |      |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 127000 | 13.352    |          |      |            |                   |

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