

## Report of Analysis

|                    |                            |           |                 |               |    |
|--------------------|----------------------------|-----------|-----------------|---------------|----|
| Client:            | Tetra Tech                 |           | Date Collected: | 11/14/24      |    |
| Project:           | Ocean County Landfill 2024 |           | Date Received:  | 11/14/24      |    |
| Client Sample ID:  | PH2-BOT-003                |           | SDG No.:        | P4860         |    |
| Lab Sample ID:     | P4860-04                   |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260                     |           | % Solid:        | 97.8          |    |
| Sample Wt/Vol:     | 6.28                       | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                            | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RTX-VMS                    | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                            |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VD080075.D        | 1         |           | 11/18/24 18:00 | VD111824      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 1.30  | U         | 1.30 | 4.10       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 0.94  | U         | 0.94 | 4.10       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.63  | U         | 0.63 | 4.10       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 0.84  | U         | 0.84 | 4.10       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 0.82  | U         | 0.82 | 4.10       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 0.74  | U         | 0.74 | 4.10       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.87  | U         | 0.87 | 4.10       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 0.63  | U         | 0.63 | 4.10       | ug/Kg             |
| 67-64-1        | Acetone                        | 5.10  | U         | 5.10 | 20.4       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 1.00  | U         | 1.00 | 4.10       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.55  | U         | 0.55 | 4.10       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 1.50  | U         | 1.50 | 4.10       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 2.80  | U         | 2.80 | 8.10       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.68  | U         | 0.68 | 4.10       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.51  | U         | 0.51 | 4.10       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 0.56  | U         | 0.56 | 4.10       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 4.60  | U         | 4.60 | 20.4       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 0.71  | U         | 0.71 | 4.10       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.50  | U         | 0.50 | 4.10       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 2.00  | U         | 2.00 | 4.10       | ug/Kg             |
| 67-66-3        | Chloroform                     | 0.55  | U         | 0.55 | 4.10       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.63  | U         | 0.63 | 4.10       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 0.71  | U         | 0.71 | 4.10       | ug/Kg             |
| 71-43-2        | Benzene                        | 0.59  | U         | 0.59 | 4.10       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.50 | 4.10       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 0.61  | U         | 0.61 | 4.10       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.54  | U         | 0.54 | 4.10       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.46  | U         | 0.46 | 4.10       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 3.50  | U         | 3.50 | 20.4       | ug/Kg             |
| 108-88-3       | Toluene                        | 0.55  | U         | 0.55 | 4.10       | ug/Kg             |

## Report of Analysis

|                    |                            |                 |               |
|--------------------|----------------------------|-----------------|---------------|
| Client:            | Tetra Tech                 | Date Collected: | 11/14/24      |
| Project:           | Ocean County Landfill 2024 | Date Received:  | 11/14/24      |
| Client Sample ID:  | PH2-BOT-003                | SDG No.:        | P4860         |
| Lab Sample ID:     | P4860-04                   | Matrix:         | SOIL          |
| Analytical Method: | SW8260                     | % Solid:        | 97.8          |
| Sample Wt/Vol:     | 6.28 Units: g              | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  | uL                         | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RTX-VMS ID : 0.18          | Level :         | LOW           |
| Prep Method :      |                            |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VD080075.D        | 1         |           | 11/18/24 18:00 | VD111824      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.49   | U         | 0.49                | 4.10       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.46   | U         | 0.46                | 4.10       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.68   | U         | 0.68                | 4.10       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 3.90   | U         | 3.90                | 20.4       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 0.53   | U         | 0.53                | 4.10       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 0.64   | U         | 0.64                | 4.10       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 0.72   | U         | 0.72                | 4.10       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 0.60   | U         | 0.60                | 4.10       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 0.50                | 4.10       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 1.10   | U         | 1.10                | 8.10       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 0.57   | U         | 0.57                | 4.10       | ug/Kg             |
| 100-42-5                  | Styrene                     | 0.49   | U         | 0.49                | 4.10       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 0.66   | U         | 0.66                | 4.10       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 0.55   | U         | 0.55                | 4.10       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.90   | U         | 0.90                | 4.10       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.60   | U         | 0.60                | 4.10       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.65   | U         | 0.65                | 4.10       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.48   | U         | 0.48                | 4.10       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.30   | U         | 1.30                | 4.10       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.64   | U         | 0.64                | 4.10       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.63   | U         | 0.63                | 4.10       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 39.6   |           | 70 (50) - 130 (163) | 79%        | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 38.4   |           | 70 (54) - 130 (147) | 77%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 34.1   | *         | 70 (58) - 130 (134) | 68%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 30.7   | *         | 70 (29) - 130 (146) | 61%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 207000 | 7.875     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 368000 | 8.781     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 326000 | 11.581    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 151000 | 13.516    |                     |            |                   |

## Report of Analysis

|                    |                            |           |                 |               |    |
|--------------------|----------------------------|-----------|-----------------|---------------|----|
| Client:            | Tetra Tech                 |           | Date Collected: | 11/14/24      |    |
| Project:           | Ocean County Landfill 2024 |           | Date Received:  | 11/14/24      |    |
| Client Sample ID:  | PH2-BOT-003                |           | SDG No.:        | P4860         |    |
| Lab Sample ID:     | P4860-04                   |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260                     |           | % Solid:        | 97.8          |    |
| Sample Wt/Vol:     | 6.28                       | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                            | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RTX-VMS                    | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                            |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VD080075.D        | 1         |           | 11/18/24 18:00 | VD111824      |

| 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