

## 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-009                | SDG No.:        | P4860        |
| Lab Sample ID:     | P4860-06                   | Matrix:         | Solid        |
| Analytical Method: | NJEPH                      | % Solid:        | 98.3         |
| Sample Wt/Vol:     | 30.04      Units: g        | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                         | Test:           | EPH          |
| Prep Method :      |                            |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 11/16/24 09:30 | 11/19/24 7:59   | PB165032      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.39  | U         | 1        | 0.39 | 1.02       | mg/kg             | FC067815.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.47  | J         | 1        | 0.24 | 0.68       | mg/kg             | FC067815.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.32  | J         | 1        | 0.31 | 1.02       | mg/kg             | FC067815.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.81  | U         | 1        | 0.81 | 1.35       | mg/kg             | FC067815.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 6.73  |           | 1        | 1.83 | 2.03       | mg/kg             | FC067815.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.31  | U         | 1        | 0.31 | 0.68       | mg/kg             | FD048774.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 3.33  |           | 1        | 0.35 | 1.02       | mg/kg             | FD048774.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 1.81  |           | 1        | 0.98 | 1.69       | mg/kg             | FD048774.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 2.37  | J         | 1        | 2.03 | 2.71       | mg/kg             | FD048774.D |
| Total AliphaticEPH | Total AliphaticEPH | 7.52  |           |          | 3.58 | 6.10       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 7.51  |           |          | 3.65 | 6.10       | mg/kg             |            |
| Total EPH          | Total EPH          | 15.0  |           |          | 7.23 | 12.2       | mg/kg             |            |

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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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|                    |                            |          |                 |          |    |
|--------------------|----------------------------|----------|-----------------|----------|----|
| Client:            | Tetra Tech                 |          | Date Collected: | 11/14/24 |    |
| Project:           | Ocean County Landfill 2024 |          | Date Received:  | 11/14/24 |    |
| Client Sample ID:  | PH2-BOT-009                |          | SDG No.:        | P4860    |    |
| Lab Sample ID:     | P4860-06                   |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH                      |          | % Solid:        | 98.3     |    |
| Sample Wt/Vol:     | 30.04                      | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                            | uL       | Test:           | EPH      |    |
| Prep Method :      |                            |          |                 |          |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC067815.D | 1         | 11/16/24    | 11/19/24        | PB165032      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.39  | U         | 0.39     | 1.02       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.47  | J         | 0.24     | 0.68       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.32  | J         | 0.31     | 1.02       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.81  | U         | 0.81     | 1.35       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 6.73  |           | 1.83     | 2.03       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 27.3  |           | 40 - 140 | 55%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | P4860-06    | Acq On:            | 19 Nov 2024 07:59 |
| Client Sample ID: | PH2-BOT-009 | Operator:          | YP/AJ             |
| Data file:        | FC067815.D  | Misc:              |                   |
| Instrument:       | FID_C       | ALS Vial:          | 25                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.172  | 6.448  | 459734   | 2.773   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.449  | 9.838  | 1191173  | 6.991   | 200              | ug/ml |
| Aliphatic C16-C21         | 9.839  | 13.196 | 799488   | 4.713   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.197 | 16.850 | 681824   | 4.335   | 400              | ug/ml |
| Aliphatic C28-C40         | 16.851 | 21.691 | 12031680 | 99.344  | 600              | ug/ml |
| Aliphatic EPH             | 3.172  | 21.691 | 15163899 | 118.156 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 12.941 | 12.941 | 3966575  | 27.33   |                  | ug/ml |
| Aliphatic C9-C28          | 3.172  | 16.850 | 3132219  | 18.812  | 1200             | ug/ml |