

## 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-007                |          | SDG No.:        | P4860    |    |
| Lab Sample ID:     | P4860-08                   |          | Matrix:         | Solid    |    |
| Analytical Method: | NJEPH                      |          | % Solid:        | 98       |    |
| Sample Wt/Vol:     | 30.08                      | Units: g | Final Vol:      | 2000     | uL |
| Soil Aliquot Vol:  |                            | uL       | Test:           | EPH      |    |
| Prep Method :      |                            |          |                 |          |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG014865.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         | 0.40  | J         | 0.24     | 0.68       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.31  | U         | 0.31     | 1.02       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 1.12  | J         | 0.81     | 1.36       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 2.77  |           | 1.83     | 2.04       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 31.6  |           | 40 - 140 | 63%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | P4860-08    | Acq On:            | 19 Nov 2024 11:47 |
| Client Sample ID: | PH2-BOT-007 | Operator:          | YP\AJ             |
| Data file:        | FG014865.D  | Misc:              |                   |
| Instrument:       | FID_G       | ALS Vial:          | 23                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.218  | 6.839  | 431207   | 3.12   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.840  | 10.283 | 817941   | 5.836  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.284 | 13.654 | 575829   | 4.284  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.655 | 17.319 | 2035304  | 16.476 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.320 | 22.248 | 4233534  | 40.829 | 600              | ug/ml |
| Aliphatic EPH             | 3.218  | 22.248 | 8093815  | 70.544 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.385 | 13.385 | 3506832  | 31.56  |                  | ug/ml |
| Aliphatic C9-C28          | 3.218  | 17.319 | 3860281  | 29.716 | 1200             | ug/ml |