

## Report of Analysis

|                    |                                      |                 |                      |
|--------------------|--------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                 | Date Collected: | 04/09/25             |
| Project:           | 26kV Service to Prologis - Newark OP | Date Received:  | 04/10/25             |
| Client Sample ID:  | TP-7C                                | SDG No.:        | Q1771                |
| Lab Sample ID:     | Q1771-05                             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                | % Solid:        | 91.9                 |
| Sample Wt/Vol:     | 30.04      Units:    g               | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                                   | Test:           | EPH_NF               |
| Prep Method :      |                                      |                 |                      |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/10/25 09:00 | 04/11/25 11:10  | PB167545      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 52.8  |           | 5        | 6.41 | 10.9       | mg/kg             | FE053316.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 24.6  |           | 1        | 0.99 | 4.35       | mg/kg             | FE053307.D |
| Total AliphaticEPH | Total AliphaticEPH | 77.4  |           |          | 7.40 | 15.3       | mg/kg             |            |
| Total EPH          | Total EPH          | 77.4  |           |          | 7.40 | 15.3       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

## Report of Analysis

|                    |                                      |                 |                      |
|--------------------|--------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                 | Date Collected: | 04/09/25             |
| Project:           | 26kV Service to Prologis - Newark OP | Date Received:  | 04/10/25             |
| Client Sample ID:  | TP-7C                                | SDG No.:        | Q1771                |
| Lab Sample ID:     | Q1771-05                             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                | % Solid:        | 91.9                 |
| Sample Wt/Vol:     | 30.04      Units:    g               | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                                   | Test:           | EPH_NF               |
| Prep Method :      |                                      |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE053307.D | 1         | 04/10/25    | 04/10/25        | PB167545      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 24.6  |           | 0.99     | 4.35       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 52.2  | E         | 1.28     | 2.17       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 46.6  |           | 40 - 140 | 93%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 25.9  |           | 40 - 140 | 52%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1771-05   | Acq On:            | 10 Apr 2025 16:33 |
| Client Sample ID: | TP-7C      | Operator:          | YP\AJ             |
| Data file:        | FE053307.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 17                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.133  | 6.774  | 5493275   | 35.206  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.775  | 10.223 | 16510119  | 107.466 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.224 | 13.598 | 18733818  | 129.792 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.599 | 17.266 | 9077331   | 67.566  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.267 | 22.162 | 89601212  | 721.098 | 600              | ug/ml |
| Aliphatic EPH             | 3.133  | 22.162 | 139415755 | 1060    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.886 | 11.886 | 4213362   | 25.87   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.329 | 13.329 | 5596536   | 46.62   |                  | ug/ml |
| Aliphatic C9-C28          | 3.133  | 17.266 | 49814543  | 340.03  | 1200             | ug/ml |