

## 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-3A                                | SDG No.:        | Q1771                |
| Lab Sample ID:     | Q1771-09                             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                | % Solid:        | 80                   |
| Sample Wt/Vol:     | 30.05      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 | 04/10/25 15:33  | PB167545      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.34  |           | 1        | 1.47 | 2.50       | mg/kg             | FE053305.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 17.2  |           | 1        | 1.14 | 4.99       | mg/kg             | FE053305.D |
| Total AliphaticEPH | Total AliphaticEPH | 22.6  |           |          | 2.61 | 7.49       | mg/kg             |            |
| Total EPH          | Total EPH          | 22.6  |           |          | 2.61 | 7.49       | 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

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|                    |                                      |                 |                      |
|--------------------|--------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                 | Date Collected: | 04/09/25             |
| Project:           | 26kV Service to Prologis - Newark OP | Date Received:  | 04/10/25             |
| Client Sample ID:  | TP-3A                                | SDG No.:        | Q1771                |
| Lab Sample ID:     | Q1771-09                             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                | % Solid:        | 80                   |
| Sample Wt/Vol:     | 30.05      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 |
| FE053305.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          | 17.2  |           | 1.14     | 4.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.34  |           | 1.47     | 2.50       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 46.0  |           | 40 - 140 | 92%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 41.9  |           | 40 - 140 | 84%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1771-09   | Acq On:            | 10 Apr 2025 15:33 |
| Client Sample ID: | TP-3A      | Operator:          | YP\AJ             |
| Data file:        | FE053305.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 15                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.133  | 6.774  | 1655107  | 10.607  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.775  | 10.223 | 3334039  | 21.702  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.224 | 13.598 | 11332077 | 78.511  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.599 | 17.266 | 12906558 | 96.069  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.267 | 22.162 | 7971898  | 64.157  | 600              | ug/ml |
| Aliphatic EPH             | 3.133  | 22.162 | 37199679 | 271.045 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.888 | 11.888 | 6826084  | 41.91   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.332 | 13.332 | 5524062  | 46.02   |                  | ug/ml |
| Aliphatic C9-C28          | 3.133  | 17.266 | 29227781 | 206.889 | 1200             | ug/ml |