

## Report of Analysis

|                    |                       |                 |          |
|--------------------|-----------------------|-----------------|----------|
| Client:            | PSEG                  | Date Collected: | 10/07/25 |
| Project:           | Harts Lane Substation | Date Received:  | 10/07/25 |
| Client Sample ID:  | HL-EAST               | SDG No.:        | Q3303    |
| Lab Sample ID:     | Q3303-03              | Matrix:         | Solid    |
| Analytical Method: | NJEPH                 | % Solid:        | 94       |
| Sample Wt/Vol:     | 30.06                 | Units:          | g        |
| Soil Aliquot Vol:  |                       | Final Vol:      | 2000 uL  |
| Prep Method :      |                       | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 10/08/25 09:45 | 10/08/25 19:46  | PB170021      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 8.98  |           | 1        | 1.25 | 2.12       | mg/kg FE056257.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 13.2  |           | 1        | 0.97 | 4.25       | mg/kg FE056257.D  |
| Total AliphaticEPH | Total AliphaticEPH | 22.2  |           |          | 2.22 | 6.37       | mg/kg             |
| Total EPH          | Total EPH          | 22.2  |           |          | 2.22 | 6.37       | 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: | 10/07/25             |
| Project:           | Harts Lane Substation  | Date Received:  | 10/07/25             |
| Client Sample ID:  | HL-EAST                | SDG No.:        | Q3303                |
| Lab Sample ID:     | Q3303-03               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 94                   |
| Sample Wt/Vol:     | 30.06      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 |
| FE056257.D | 1         | 10/08/25    | 10/08/25        | PB170021      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 13.2  |           | 0.97     | 4.25       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 8.98  |           | 1.25     | 2.12       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 42.6  |           | 40 - 140 | 85%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.5  |           | 40 - 140 | 75%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3303-03   | Acq On:            | 08 Oct 2025 19:46 |
| Client Sample ID: | HL-EAST    | Operator:          | YP\AJ             |
| Data file:        | FE056257.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 22                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.306  | 6.940  | 472399   | 3.374   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.941  | 10.391 | 2141114  | 13.96   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.392 | 13.768 | 10286338 | 62.011  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.769 | 17.438 | 15955370 | 107.424 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.439 | 22.440 | 17279961 | 126.824 | 600              | ug/ml |
| Aliphatic EPH             | 3.306  | 22.440 | 46135182 | 313.592 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.065 | 12.065 | 7035584  | 37.49   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.502 | 13.502 | 5947243  | 42.61   |                  | ug/ml |
| Aliphatic C9-C28          | 3.306  | 17.438 | 28855221 | 186.769 | 1200             | ug/ml |