

## Report of Analysis

|                    |                     |                 |          |
|--------------------|---------------------|-----------------|----------|
| Client:            | PSEG                | Date Collected: | 08/20/25 |
| Project:           | Hamilton Substation | Date Received:  | 08/20/25 |
| Client Sample ID:  | BRIDGE-EAST         | SDG No.:        | Q2915    |
| Lab Sample ID:     | Q2915-03            | Matrix:         | Solid    |
| Analytical Method: | NJEPH               | % Solid:        | 84.5     |
| Sample Wt/Vol:     | 30.08               | Units:          | g        |
| Soil Aliquot Vol:  |                     | Final Vol:      | 2000 uL  |
| Prep Method :      |                     | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/21/25 11:20 | 08/21/25 18:18  | PB169342      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 10.1  |           | 1        | 1.39 | 2.36       | mg/kg             | FE055433.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 3.10  | J         | 1        | 1.07 | 4.72       | mg/kg             | FE055433.D |
| Total AliphaticEPH | Total AliphaticEPH | 13.2  |           |          | 2.46 | 7.08       | mg/kg             |            |
| Total EPH          | Total EPH          | 13.2  |           |          | 2.46 | 7.08       | 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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|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE055433.D | 1         | 08/21/25    | 08/21/25        | PB169342      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 3.10  | J         | 1.07     | 4.72       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 10.1  |           | 1.39     | 2.36       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 54.3  |           | 40 - 140 | 109%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 52.5  |           | 40 - 140 | 105%       | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q2915-03    | Acq On:            | 21 Aug 2025 18:18 |
| Client Sample ID: | BRIDGE-EAST | Operator:          | YP\AJ             |
| Data file:        | FE055433.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          | 3.319  | 6.954  | 575210   | 4.925   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.955  | 10.407 | 1349005  | 10.772  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.408 | 13.787 | 1148451  | 9.085   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.788 | 17.460 | 1763672  | 14.636  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.461 | 22.485 | 14565678 | 127.783 | 600              | ug/ml |
| Aliphatic EPH             | 3.319  | 22.485 | 19402016 | 167.202 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.085 | 12.085 | 7490028  | 52.45   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.520 | 13.520 | 5834273  | 54.26   |                  | ug/ml |
| Aliphatic C9-C28          | 3.319  | 17.460 | 4836338  | 39.418  | 1200             | ug/ml |