

## Report of Analysis

|                    |                        |                 |          |
|--------------------|------------------------|-----------------|----------|
| Client:            | PSEG                   | Date Collected: | 10/17/25 |
| Project:           | Central Ave Substation | Date Received:  | 10/17/25 |
| Client Sample ID:  | CENTRAL-AVE-TP         | SDG No.:        | Q3382    |
| Lab Sample ID:     | Q3382-01               | Matrix:         | Solid    |
| Analytical Method: | NJEPH                  | % Solid:        | 84.9     |
| Sample Wt/Vol:     | 30.08 g                | Test:           | EPH_NF   |
| Prep Method :      |                        | Final Vol:      | 2000 uL  |
|                    |                        | Prep Date :     | 10/20/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.03  |      | 1  | 1.39 | 2.35       | mg/kg | FE056390.D | 10/20/25 16:47 | PB170169     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 5.11  |      | 1  | 1.07 | 4.69       | mg/kg | FE056390.D | 10/20/25 16:47 | PB170169     |
| Total AliphaticEPH | Total AliphaticEPH | 10.1  |      |    | 2.46 | 7.04       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 10.1  |      |    | 2.46 | 7.04       | 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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| Lab Sample ID:     | Q3382-01               | Matrix:         | Solid    |
| Analytical Method: | NJEPH                  | % Solid:        | 84.9     |
| Sample Wt/Vol:     | 30.08 g                | Final Vol:      | 2000 uL  |
| Prep Method :      |                        | Test:           | EPH_NF   |
|                    |                        | Prep Date       | 10/20/25 |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 5.11  | 1    |    | 1.07     | 4.69       | mg/kg   | 10/20/25  | PB170169     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.03  | 1    |    | 1.39     | 2.35       | mg/kg   | 10/20/25  | PB170169     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 29.9  |      |    | 40 - 140 | 60%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 27.4  |      |    | 40 - 140 | 55%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |                |                    |                   |
|-------------------|----------------|--------------------|-------------------|
| Lab Sample ID:    | Q3382-01       | Acq On:            | 20 Oct 2025 16:47 |
| Client Sample ID: | CENTRAL-AVE-TP | Operator:          | YP\AJ             |
| Data file:        | FE056390.D     | Misc:              |                   |
| Instrument:       | FID_E          | ALS Vial:          | 14                |
| Dilution Factor:  | 1              | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.300  | 6.926  | 693251   | 4.2     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.927  | 10.378 | 903583   | 5.298   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.379 | 13.756 | 7477548  | 41.859  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.757 | 17.428 | 2484382  | 13.872  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.429 | 22.423 | 8920804  | 64.27   | 600              | ug/ml |
| Aliphatic EPH             | 3.300  | 22.423 | 20479568 | 129.498 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.053 | 12.053 | 5590382  | 27.36   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.489 | 13.489 | 4562004  | 29.9    |                  | ug/ml |
| Aliphatic C9-C28          | 3.300  | 17.428 | 11558764 | 65.229  | 1200             | ug/ml |