

## Report of Analysis

|                    |                                            |                 |          |
|--------------------|--------------------------------------------|-----------------|----------|
| Client:            | PSEG                                       | Date Collected: | 11/07/25 |
| Project:           | PSEG Lawrenceville HQ                      | Date Received:  | 11/07/25 |
| Client Sample ID:  | C-LAW-25-0156-0166-COMP                    | SDG No.:        | Q3593    |
| Lab Sample ID:     | Q3593-08                                   | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                      | % Solid:        | 78.3     |
| Sample Wt/Vol:     | 30.05 g                                    | Test:           | EPH_NF   |
| Prep Method :      | Final Vol: 2000 uL<br>Prep Date : 11/11/25 |                 |          |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 27.0  |      | 1  | 1.50 | 2.55       | mg/kg | FE056754.D | 11/12/25 3:16  | PB170479     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 1870  |      | 25 | 29.0 | 128        | mg/kg | FE056770.D | 11/12/25 11:49 | PB170479     |
| Total AliphaticEPH | Total AliphaticEPH | 1900  |      |    | 30.5 | 130        | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 1900  |      |    | 30.5 | 130        | 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 Sample ID:  | C-LAW-25-0156-0166-COMP | SDG No.:        | Q3593    |
| Lab Sample ID:     | Q3593-08                | Matrix:         | Solid    |
| Analytical Method: | NJEPH                   | % Solid:        | 78.3     |
| Sample Wt/Vol:     | 30.05 g                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                         | Prep Date       | 11/11/25 |
|                    |                         | Test:           | EPH_NF   |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 1880  | E    | 1  | 1.16     | 5.11       | mg/kg   | 11/12/25  | PB170479     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 27.0  |      | 1  | 1.50     | 2.55       | mg/kg   | 11/12/25  | PB170479     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 26.9  |      |    | 40 - 140 | 54%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 34.1  |      |    | 40 - 140 | 68%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |                        |                    |                   |
|-------------------|------------------------|--------------------|-------------------|
| Lab Sample ID:    | Q3593-08               | Acq On:            | 12 Nov 2025 03:16 |
| Client Sample ID: | C-LAW-25-0156-0166-COI | Operator:          | YP\AJ             |
| Data file:        | FE056754.D             | Misc:              |                   |
| Instrument:       | FID_E                  | ALS Vial:          | 32                |
| Dilution Factor:  | 1                      | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response   | Conc    | highest_standard | Units |
|---------------------------|--------|--------|------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.220  | 6.845  | 1308152    | 7.643   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.846  | 10.294 | 650524482  | 3640    | 200              | ug/ml |
| Aliphatic C16-C21         | 10.295 | 13.672 | 2705421030 | 14600   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.673 | 17.343 | 775299244  | 4020    | 400              | ug/ml |
| Aliphatic C28-C40         | 17.344 | 22.291 | 50687359   | 318.159 | 600              | ug/ml |
| Aliphatic EPH             | 3.220  | 22.291 | 4183240267 | 22500   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.985 | 11.985 | 7123064    | 34.1    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.426 | 13.426 | 4341531    | 26.95   |                  | ug/ml |
| Aliphatic C9-C28          | 3.220  | 17.343 | 4132552908 | 22200   | 1200             | ug/ml |