

## Report of Analysis

|                    |                     |                 |          |
|--------------------|---------------------|-----------------|----------|
| Client:            | PSEG                | Date Collected: | 11/17/25 |
| Project:           | PSEG 118 Elm Street | Date Received:  | 11/17/25 |
| Client Sample ID:  | TP-1                | SDG No.:        | Q3652    |
| Lab Sample ID:     | Q3652-01            | Matrix:         | Solid    |
| Analytical Method: | NJEPH               | % Solid:        | 86.5     |
| Sample Wt/Vol:     | 30.09 g             | Test:           | EPH_NF   |
| Prep Method :      |                     | Final Vol:      | 2000 uL  |
|                    |                     | Prep Date :     | 11/18/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.     | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|---------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |               |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 549   |      | 20 | 27.2 | 46.1       | mg/kg | FE056927.D | 11/19/25 9:22 | PB170599     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 482   |      | 10 | 10.5 | 46.1       | mg/kg | FE056926.D | 11/19/25 8:52 | PB170599     |
| Total AliphaticEPH | Total AliphaticEPH | 1030  |      |    | 37.7 | 92.2       | mg/kg |            |               |              |
| Total EPH          | Total EPH          | 1030  |      |    | 37.7 | 92.2       | 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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| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 533   | E    | 1  | 1.05     | 4.61       | mg/kg   | 11/18/25  | PB170599     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 537   | E    | 1  | 1.36     | 2.31       | mg/kg   | 11/18/25  | PB170599     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 37.5  |      |    | 40 - 140 | 75%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 41.8  |      |    | 40 - 140 | 84%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3652-01   | Acq On:            | 18 Nov 2025 20:07 |
| Client Sample ID: | TP-1       | Operator:          | YP\AJ             |
| Data file:        | FE056912.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 24                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response   | Conc    | highest_standard | Units |
|---------------------------|--------|--------|------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.211  | 6.834  | 9587495    | 56.014  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.835  | 10.279 | 10511034   | 58.802  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.280 | 13.652 | 88514049   | 474.592 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.653 | 17.321 | 1226721252 | 6360    | 400              | ug/ml |
| Aliphatic C28-C40         | 17.322 | 22.255 | 1114304529 | 6990    | 600              | ug/ml |
| Aliphatic EPH             | 3.211  | 22.255 | 2449638359 | 13900   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.949 | 11.949 | 8737214    | 41.82   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.389 | 13.389 | 6042588    | 37.5    |                  | ug/ml |
| Aliphatic C9-C28          | 3.211  | 17.321 | 1335333830 | 6950    | 1200             | ug/ml |