

## Report of Analysis

|                    |                  |                 |          |
|--------------------|------------------|-----------------|----------|
| Client:            | PSEG             | Date Collected: | 10/29/25 |
| Project:           | PSEG Trenton M&R | Date Received:  | 10/29/25 |
| Client Sample ID:  | TP3              | SDG No.:        | Q3486    |
| Lab Sample ID:     | Q3486-01         | Matrix:         | Solid    |
| Analytical Method: | NJEPH            | % Solid:        | 94.7     |
| Sample Wt/Vol:     | 30.07 g          | Test:           | EPH_NF   |
| Prep Method :      |                  | Final Vol:      | 2000 uL  |
|                    |                  | Prep Date :     | 10/30/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 20.0  |      | 1  | 1.24 | 2.11       | mg/kg | FE056585.D | 10/30/25 15:53 | PB170326     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 1.12  | J    | 1  | 0.96 | 4.20       | mg/kg | FE056585.D | 10/30/25 15:53 | PB170326     |
| Total AliphaticEPH | Total AliphaticEPH | 21.1  |      |    | 2.20 | 6.31       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 21.1  |      |    | 2.20 | 6.31       | 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:  | TP3              | SDG No.:        | Q3486    |
| Lab Sample ID:     | Q3486-01         | Matrix:         | Solid    |
| Analytical Method: | NJEPH            | % Solid:        | 94.7     |
| Sample Wt/Vol:     | 30.07 g          | Final Vol:      | 2000 uL  |
| Prep Method :      |                  | Prep Date       | 10/30/25 |
|                    |                  | 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          | 1.12  | J    | 1  | 0.96     | 4.20       | mg/kg   | 10/30/25  | PB170326     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 20.0  |      | 1  | 1.24     | 2.11       | mg/kg   | 10/30/25  | PB170326     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 28.5  |      |    | 40 - 140 | 57%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 27.8  |      |    | 40 - 140 | 56%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3486-01   | Acq On:            | 30 Oct 2025 15:53 |
| Client Sample ID: | TP3        | Operator:          | YP\AJ             |
| Data file:        | FE056585.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 19                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.232  | 6.857  | 150024   | 0.876   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.858  | 10.306 | 2114813  | 11.831  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.307 | 13.683 | 761830   | 4.085   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.684 | 17.354 | 1205267  | 6.252   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.355 | 22.310 | 45472774 | 285.427 | 600              | ug/ml |
| Aliphatic EPH             | 3.232  | 22.310 | 49704708 | 308.472 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.982 | 11.982 | 5814388  | 27.83   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.420 | 13.420 | 4594164  | 28.51   |                  | ug/ml |
| Aliphatic C9-C28          | 3.232  | 17.354 | 4231934  | 23.044  | 1200             | ug/ml |