

## Report of Analysis

|                    |                                 |                 |          |
|--------------------|---------------------------------|-----------------|----------|
| Client:            | PSEG                            | Date Collected: |          |
| Project:           | PSEG South Clifton Ave Property | Date Received:  |          |
| Client Sample ID:  | PB170886BS                      | SDG No.:        | Q3826    |
| Lab Sample ID:     | PB170886BS                      | Matrix:         | Solid    |
| Analytical Method: | NJEPH                           | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.03 g                         | Test:           | EPH_NF   |
| Prep Method :      |                                 | Final Vol:      | 2000 uL  |
|                    |                                 | Prep Date :     | 12/10/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.     | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|---------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |               |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 22.8  |      | 1  | 1.18 | 2.00       | mg/kg | FE057298.D | 12/11/25 1:44 | PB170886     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 60.4  |      | 1  | 0.91 | 3.99       | mg/kg | FE057298.D | 12/11/25 1:44 | PB170886     |
| Total AliphaticEPH | Total AliphaticEPH | 83.2  |      |    | 2.09 | 5.99       | mg/kg |            |               |              |
| Total EPH          | Total EPH          | 83.2  |      |    | 2.09 | 5.99       | 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:  | PB170886BS                      | SDG No.:        | Q3826    |
| Lab Sample ID:     | PB170886BS                      | Matrix:         | Solid    |
| Analytical Method: | NJEPH                           | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.03 g                         | Final Vol:      | 2000 uL  |
| Prep Method :      |                                 | Prep Date       | 12/10/25 |
|                    |                                 | 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          | 60.4  | 1    |    | 0.91     | 3.99       | mg/kg   | 12/11/25  | PB170886     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 22.8  | 1    |    | 1.18     | 2.00       | mg/kg   | 12/11/25  | PB170886     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 32.0  |      |    | 40 - 140 | 64%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 34.5  |      |    | 40 - 140 | 69%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB170886BS | Acq On:            | 11 Dec 2025 01:44 |
| Client Sample ID: | PB170886BS | Operator:          | YP\AJ             |
| Data file:        | FE057298.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 29                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.189  | 6.816  | 32026725  | 159.61  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.817  | 10.262 | 42542560  | 209.386 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.263 | 13.636 | 45512672  | 229.496 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.637 | 17.306 | 61414621  | 309.009 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.307 | 22.235 | 68492016  | 342.632 | 600              | ug/ml |
| Aliphatic EPH             | 3.189  | 22.235 | 249988594 | 1250    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.934 | 11.934 | 7568767   | 34.49   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.370 | 13.370 | 5330400   | 32.03   |                  | ug/ml |
| Aliphatic C9-C28          | 3.189  | 17.306 | 181496578 | 907.501 | 1200             | ug/ml |