

## Report of Analysis

|                    |                                            |                 |          |
|--------------------|--------------------------------------------|-----------------|----------|
| Client:            | PSEG                                       | Date Collected: | 12/05/25 |
| Project:           | PSEG Pennsauken Class H Sub                | Date Received:  | 12/05/25 |
| Client Sample ID:  | SOIL#2-EPH-1                               | SDG No.:        | Q3801    |
| Lab Sample ID:     | Q3801-09                                   | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                      | % Solid:        | 88.4     |
| Sample Wt/Vol:     | 30.09 g                                    | Test:           | EPH_NF   |
| Prep Method :      | Final Vol: 2000 uL<br>Prep Date : 12/08/25 |                 |          |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.     | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|---------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |               |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 11.3  |      | 1  | 1.33 | 2.26       | mg/kg | FE057227.D | 12/09/25 2:46 | PB170866     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 1.76  | J    | 1  | 1.03 | 4.51       | mg/kg | FE057227.D | 12/09/25 2:46 | PB170866     |
| Total AliphaticEPH | Total AliphaticEPH | 13.1  |      |    | 2.36 | 6.77       | mg/kg |            |               |              |
| Total EPH          | Total EPH          | 13.1  |      |    | 2.36 | 6.77       | 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

## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | PSEG                        | Date Collected: | 12/05/25 |
| Project:           | PSEG Pennsauken Class H Sub | Date Received:  | 12/05/25 |
| Client Sample ID:  | SOIL#2-EPH-1                | SDG No.:        | Q3801    |
| Lab Sample ID:     | Q3801-09                    | Matrix:         | Solid    |
| Analytical Method: | NJEPH                       | % Solid:        | 88.4     |
| Sample Wt/Vol:     | 30.09 g                     | Final Vol:      | 2000 uL  |
| Prep Method :      |                             | Test:           | EPH_NF   |
|                    |                             | Prep Date       | 12/08/25 |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 1.76  | J    | 1  | 1.03     | 4.51       | mg/kg   | 12/09/25  | PB170866     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 11.3  |      | 1  | 1.33     | 2.26       | mg/kg   | 12/09/25  | PB170866     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 21.3  |      |    | 40 - 140 | 43%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 24.8  |      |    | 40 - 140 | 50%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q3801-09     | Acq On:            | 09 Dec 2025 02:46 |
| Client Sample ID: | SOIL#2-EPH-1 | Operator:          | YP\AJ             |
| Data file:        | FE057227.D   | Misc:              |                   |
| Instrument:       | FID_E        | ALS Vial:          | 23                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.193  | 6.819  | 299473   | 1.492   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.820  | 10.265 | 753637   | 3.709   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.266 | 13.640 | 967926   | 4.881   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.641 | 17.310 | 2921927  | 14.702  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.311 | 22.240 | 30009465 | 150.122 | 600              | ug/ml |
| Aliphatic EPH             | 3.193  | 22.240 | 34952428 | 174.907 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.932 | 11.932 | 5430339  | 24.75   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.370 | 13.370 | 3538732  | 21.26   |                  | ug/ml |
| Aliphatic C9-C28          | 3.193  | 17.310 | 4942963  | 24.784  | 1200             | ug/ml |