

## Report of Analysis

|                    |                       |                 |          |
|--------------------|-----------------------|-----------------|----------|
| Client:            | PSEG                  | Date Collected: | 11/07/25 |
| Project:           | PSEG Moorestown HQ    | Date Received:  | 11/07/25 |
| Client Sample ID:  | MOO-25-0314-0316-COMP | SDG No.:        | Q3590    |
| Lab Sample ID:     | Q3590-01              | Matrix:         | Solid    |
| Analytical Method: | NJEPH                 | % Solid:        | 84.1     |
| Sample Wt/Vol:     | 5.01 g                | Test:           | EPH_NF   |
| Prep Method :      |                       | Final Vol:      | 2000 uL  |
|                    |                       | 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  | 585   |      | 10 | 84.0 | 142        | mg/kg | FE056756.D | 11/12/25 4:17  | PB170479     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 10800 |      | 50 | 323  | 1420       | mg/kg | FE056776.D | 11/12/25 14:51 | PB170479     |
| Total AliphaticEPH | Total AliphaticEPH | 11400 |      |    | 407  | 1570       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 11400 |      |    | 407  | 1570       | 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: | 11/07/25 |
| Project:           | PSEG Moorestown HQ    | Date Received:  | 11/07/25 |
| Client Sample ID:  | MOO-25-0314-0316-COMP | SDG No.:        | Q3590    |
| Lab Sample ID:     | Q3590-01              | Matrix:         | Solid    |
| Analytical Method: | NJEPH                 | % Solid:        | 84.1     |
| Sample Wt/Vol:     | 5.01 g                | Final Vol:      | 2000 uL  |
| Prep Method :      |                       | Test:           | EPH_NF   |
|                    |                       | Prep Date       | 11/11/25 |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 11800 | E    | 10 | 64.8     | 285        | mg/kg   | 11/12/25  | PB170479     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 585   |      | 10 | 84.0     | 142        | mg/kg   | 11/12/25  | PB170479     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 2.33  |      |    | 40 - 140 | 47%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 3.84  |      |    | 40 - 140 | 77%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | Q3590-01              | Acq On:            | 12 Nov 2025 04:17 |
| Client Sample ID: | MOO-25-0314-0316-COMI | Operator:          | YP\AJ             |
| Data file:        | FE056756.D            | Misc:              |                   |
| Instrument:       | FID_E                 | ALS Vial:          | 34                |
| Dilution Factor:  | 10                    | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.220  | 6.845  | 1319134   | 7.707   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.846  | 10.294 | 66071828  | 369.624 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.295 | 13.672 | 313465889 | 1680    | 300              | ug/ml |
| Aliphatic C21-C28         | 13.673 | 17.343 | 82499965  | 427.98  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.344 | 22.291 | 19665238  | 123.436 | 600              | ug/ml |
| Aliphatic EPH             | 3.220  | 22.291 | 483022054 | 2610    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.958 | 11.958 | 802210    | 3.84    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.396 | 13.396 | 376114    | 2.33    |                  | ug/ml |
| Aliphatic C9-C28          | 3.220  | 17.343 | 463356816 | 2490    | 1200             | ug/ml |