

## Report of Analysis

|                    |                      |                 |          |
|--------------------|----------------------|-----------------|----------|
| Client:            | PSEG                 | Date Collected: | 11/20/25 |
| Project:           | PSEG - Moorestown HQ | Date Received:  | 11/20/25 |
| Client Sample ID:  | MOO-25-0332          | SDG No.:        | Q3697    |
| Lab Sample ID:     | Q3697-02             | Matrix:         | Solid    |
| Analytical Method: | NJEPH                | % Solid:        | 100      |
| Sample Wt/Vol:     | 5.08 g               | Test:           | EPH_NF   |
| Prep Method :      |                      | Final Vol:      | 2000 uL  |
|                    |                      | Prep Date :     | 11/21/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 272   |      | 2  | 13.9 | 23.6       | mg/kg | FE057021.D | 11/25/25 11:53 | PB170681     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 168   |      | 1  | 5.38 | 23.6       | mg/kg | FE056984.D | 11/21/25 16:33 | PB170681     |
| Total AliphaticEPH | Total AliphaticEPH | 440   |      |    | 19.3 | 47.2       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 440   |      |    | 19.3 | 47.2       | 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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| Client Sample ID:  | MOO-25-0332          | SDG No.:        | Q3697    |
| Lab Sample ID:     | Q3697-02             | Matrix:         | Solid    |
| Analytical Method: | NJEPH                | % Solid:        | 100      |
| Sample Wt/Vol:     | 5.08 g               | Final Vol:      | 2000 uL  |
| Prep Method :      |                      | Test:           | EPH_NF   |
|                    |                      | Prep Date       | 11/21/25 |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 168   |      | 1  | 5.38     | 23.6       | mg/kg   | 11/21/25  | PB170681     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 262   | E    | 1  | 6.97     | 11.8       | mg/kg   | 11/21/25  | PB170681     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 28.7  |      |    | 40 - 140 | 57%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 33.5  |      |    | 40 - 140 | 67%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q3697-02    | Acq On:            | 21 Nov 2025 16:33 |
| Client Sample ID: | MOO-25-0332 | Operator:          | YP\AJ             |
| Data file:        | FE056984.D  | Misc:              |                   |
| Instrument:       | FID_E       | ALS Vial:          | 17                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.206  | 6.830  | 948975    | 5.544   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.831  | 10.275 | 8677910   | 48.547  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.276 | 13.648 | 43069339  | 230.928 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.649 | 17.317 | 27519147  | 142.759 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.318 | 22.248 | 106359660 | 667.608 | 600              | ug/ml |
| Aliphatic EPH             | 3.206  | 22.248 | 186575031 | 1100    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.946 | 11.946 | 6990881   | 33.46   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.382 | 13.382 | 4629563   | 28.73   |                  | ug/ml |
| Aliphatic C9-C28          | 3.206  | 17.317 | 80215371  | 427.778 | 1200             | ug/ml |