

## Report of Analysis

|                    |             |                 |          |
|--------------------|-------------|-----------------|----------|
| Client:            | PSEG        | Date Collected: | 10/27/25 |
| Project:           | Somerset HQ | Date Received:  | 10/27/25 |
| Client Sample ID:  | COMP-3      | SDG No.:        | Q3472    |
| Lab Sample ID:     | Q3472-08    | Matrix:         | Solid    |
| Analytical Method: | NJEPH       | % Solid:        | 100      |
| Sample Wt/Vol:     | 5.07 g      | Test:           | EPH_NF   |
| Prep Method :      |             | Final Vol:      | 2000 uL  |
|                    |             | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF  | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|-----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |     |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 937   |      | 10  | 69.8 | 118        | mg/kg | FE056545.D | 10/28/25 17:55 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 24100 |      | 100 | 538  | 2360       | mg/kg | FE056557.D | 10/29/25 9:35  | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 25100 |      |     | 608  | 2480       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 25100 |      |     | 608  | 2480       | 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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| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 22300 | E    | 10 | 53.9     | 237        | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 937   |      | 10 | 69.8     | 118        | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 0.00  |      |    | 40 - 140 | 0%         | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |      |    | 40 - 140 | 0%         | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3472-08   | Acq On:            | 28 Oct 2025 17:55 |
| Client Sample ID: | COMP-3     | Operator:          | YP\AJ             |
| Data file:        | FE056545.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 20                |
| Dilution Factor:  | 10         | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response   | Conc    | highest_standard | Units |
|---------------------------|--------|--------|------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.240  | 6.866  | 460842     | 2.792   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.867  | 10.314 | 90111206   | 528.37  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.315 | 13.690 | 756990481  | 4240    | 300              | ug/ml |
| Aliphatic C21-C28         | 13.691 | 17.361 | 157502188  | 879.462 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.362 | 22.315 | 32970999   | 237.538 | 600              | ug/ml |
| Aliphatic EPH             | 3.240  | 22.315 | 1038035716 | 5890    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| Aliphatic C9-C28          | 3.240  | 17.361 | 1005064717 | 5650    | 1200             | ug/ml |