

## Report of Analysis

|                    |                |                 |          |
|--------------------|----------------|-----------------|----------|
| Client:            | PSEG           | Date Collected: | 10/23/25 |
| Project:           | PSEG Onyx- STL | Date Received:  | 10/24/25 |
| Client Sample ID:  | TP-12-EPH      | SDG No.:        | Q3451    |
| Lab Sample ID:     | Q3451-06       | Matrix:         | Solid    |
| Analytical Method: | NJEPH          | % Solid:        | 85.5     |
| Sample Wt/Vol:     | 30.05 g        | Test:           | EPH_NF   |
| Prep Method :      |                | Final Vol:      | 2000 uL  |
|                    |                | Prep Date :     | 10/27/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 7.72  |      | 1  | 1.38 | 2.34       | mg/kg | FC070054.D | 10/27/25 19:01 | PB170258     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 4.68  | U    | 1  | 1.06 | 4.68       | mg/kg | FC070054.D | 10/27/25 19:01 | PB170258     |
| Total AliphaticEPH | Total AliphaticEPH | 7.72  |      |    | 2.44 | 7.02       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 7.72  |      |    | 2.44 | 7.02       | 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:  | TP-12-EPH      | SDG No.:        | Q3451    |
| Lab Sample ID:     | Q3451-06       | Matrix:         | Solid    |
| Analytical Method: | NJEPH          | % Solid:        | 85.5     |
| Sample Wt/Vol:     | 30.05 g        | Final Vol:      | 2000 uL  |
| Prep Method :      |                | Prep Date       | 10/27/25 |
|                    |                | 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          | 0.000 | U    | 1  | 1.06     | 4.68       | mg/kg   | 10/27/25  | PB170258     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 7.72  |      | 1  | 1.38     | 2.34       | mg/kg   | 10/27/25  | PB170258     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 28.8  |      |    | 40 - 140 | 58%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 26.9  |      |    | 40 - 140 | 54%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3451-06   | Acq On:            | 27 Oct 2025 19:01 |
| Client Sample ID: | TP-12-EPH  | Operator:          | YP/AJ             |
| Data file:        | FC070054.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 18                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.280  | 6.575  | 428373   | 2.959   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.576  | 9.977  | 699811   | 4.273   | 200              | ug/ml |
| Aliphatic C16-C21         | 9.978  | 13.344 | 575622   | 3.554   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.345 | 17.008 | 1098003  | 7.462   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.009 | 21.965 | 10672887 | 99.191  | 600              | ug/ml |
| Aliphatic EPH             | 3.280  | 21.965 | 13474696 | 117.439 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.642 | 11.642 | 4728046  | 26.92   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.078 | 13.078 | 3913150  | 28.83   |                  | ug/ml |
| Aliphatic C9-C28          | 3.280  | 17.008 | 2801809  | 18.248  | 1200             | ug/ml |