

## Report of Analysis

|                    |                              |                 |          |
|--------------------|------------------------------|-----------------|----------|
| Client:            | PSEG                         | Date Collected: | 10/20/25 |
| Project:           | PSEG Spring Valley - Maywood | Date Received:  | 10/20/25 |
| Client Sample ID:  | MH-18-EPH                    | SDG No.:        | Q3403    |
| Lab Sample ID:     | Q3403-02                     | Matrix:         | Solid    |
| Analytical Method: | NJEPH                        | % Solid:        | 90.4     |
| Sample Wt/Vol:     | 30.07 g                      | Test:           | EPH_NF   |
| Prep Method :      |                              | Final Vol:      | 2000 uL  |
|                    |                              | Prep Date :     | 10/21/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.31  |      | 1  | 1.30 | 2.21       | mg/kg | FE056428.D | 10/21/25 21:54 | PB170181     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.85  | J    | 1  | 1.00 | 4.41       | mg/kg | FE056428.D | 10/21/25 21:54 | PB170181     |
| Total AliphaticEPH | Total AliphaticEPH | 8.16  |      |    | 2.30 | 6.62       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 8.16  |      |    | 2.30 | 6.62       | 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:  | MH-18-EPH                    | SDG No.:        | Q3403    |
| Lab Sample ID:     | Q3403-02                     | Matrix:         | Solid    |
| Analytical Method: | NJEPH                        | % Solid:        | 90.4     |
| Sample Wt/Vol:     | 30.07 g                      | Final Vol:      | 2000 uL  |
| Prep Method :      |                              | Test:           | EPH_NF   |
|                    |                              | Prep Date       | 10/21/25 |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 2.85  | J    | 1  | 1.00     | 4.41       | mg/kg   | 10/21/25  | PB170181     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.31  |      | 1  | 1.30     | 2.21       | mg/kg   | 10/21/25  | PB170181     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 24.5  |      |    | 40 - 140 | 49%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 22.6  |      |    | 40 - 140 | 45%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3403-02   | Acq On:            | 21 Oct 2025 21:54 |
| Client Sample ID: | MH-18-EPH  | Operator:          | YP\AJ             |
| Data file:        | FE056428.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 31                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.297  | 6.924  | 385117   | 2.333   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.925  | 10.375 | 1253117  | 7.348   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.376 | 13.754 | 2112247  | 11.824  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.755 | 17.426 | 3082622  | 17.213  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.427 | 22.419 | 10026247 | 72.234  | 600              | ug/ml |
| Aliphatic EPH             | 3.297  | 22.419 | 16859350 | 110.951 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.050 | 12.050 | 4607524  | 22.55   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.487 | 13.487 | 3741687  | 24.52   |                  | ug/ml |
| Aliphatic C9-C28          | 3.297  | 17.426 | 6833103  | 38.718  | 1200             | ug/ml |