

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | PSEG                     | Date Collected: | 10/20/25 |
| Project:           | Ridgefield OH Row Bridge | Date Received:  | 10/20/25 |
| Client Sample ID:  | 41-RB-E2                 | SDG No.:        | Q3402    |
| Lab Sample ID:     | Q3402-11                 | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 80.8     |
| Sample Wt/Vol:     | 30.08 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  | 18.4  |      | 1  | 1.46 | 2.47       | mg/kg | FE056465.D | 10/23/25 16:18 | PB170181     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.36  | J    | 1  | 1.12 | 4.93       | mg/kg | FE056465.D | 10/23/25 16:18 | PB170181     |
| Total AliphaticEPH | Total AliphaticEPH | 20.8  |      |    | 2.58 | 7.40       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 20.8  |      |    | 2.58 | 7.40       | 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:            | PSEG                     | Date Collected: | 10/20/25 |
| Project:           | Ridgefield OH Row Bridge | Date Received:  | 10/20/25 |
| Client Sample ID:  | 41-RB-E2                 | SDG No.:        | Q3402    |
| Lab Sample ID:     | Q3402-11                 | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 80.8     |
| Sample Wt/Vol:     | 30.08 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          | 2.36  | J    | 1  | 1.12     | 4.93       | mg/kg   | 10/23/25  | PB170181     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 18.4  |      | 1  | 1.46     | 2.47       | mg/kg   | 10/23/25  | PB170181     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 22.4  |      |    | 40 - 140 | 45%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 22.8  |      |    | 40 - 140 | 46%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3402-11   | Acq On:            | 23 Oct 2025 16:18 |
| Client Sample ID: | 41-RB-E2   | Operator:          | YP\AJ             |
| Data file:        | FE056465.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 27                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.294  | 6.921  | 432205   | 2.618   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.922  | 10.373 | 693308   | 4.065   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.374 | 13.751 | 3933648  | 22.02   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.752 | 17.422 | 975096   | 5.445   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.423 | 22.413 | 31120591 | 224.207 | 600              | ug/ml |
| Aliphatic EPH             | 3.294  | 22.413 | 37154848 | 258.356 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.050 | 12.050 | 4660635  | 22.81   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.486 | 13.486 | 3425703  | 22.45   |                  | ug/ml |
| Aliphatic C9-C28          | 3.294  | 17.422 | 6034257  | 34.148  | 1200             | ug/ml |