

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | PSEG                | Date Collected: | 09/12/25     |
| Project:           | Pennsauken M&R      | Date Received:  | 09/12/25     |
| Client Sample ID:  | 12/9B-COMP          | SDG No.:        | Q3091        |
| Lab Sample ID:     | Q3091-08            | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 93.1         |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_NF       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 09/15/25 08:30 | 09/15/25 18:07  | PB169683      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.56  |           | 1        | 1.27 | 2.15       | mg/kg             | FE055834.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 1.78  | J         | 1        | 0.98 | 4.29       | mg/kg             | FE055834.D |
| Total AliphaticEPH | Total AliphaticEPH | 7.34  |           |          | 2.25 | 6.44       | mg/kg             |            |
| Total EPH          | Total EPH          | 7.34  |           |          | 2.25 | 6.44       | 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

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | PSEG                   | Date Collected: | 09/12/25             |
| Project:           | Pennsauken M&R         | Date Received:  | 09/12/25             |
| Client Sample ID:  | 12/9B-COMP             | SDG No.:        | Q3091                |
| Lab Sample ID:     | Q3091-08               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 93.1                 |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE055834.D | 1         | 09/15/25    | 09/15/25        | PB169683      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 1.78  | J         | 0.98     | 4.29       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.56  |           | 1.27     | 2.15       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 45.3  |           | 40 - 140 | 91%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 43.7  |           | 40 - 140 | 87%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3091-08   | Acq On:            | 15 Sep 2025 18:07 |
| Client Sample ID: | 12/9B-COMP | Operator:          | YP\AJ             |
| Data file:        | FE055834.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 20                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.312  | 6.945  | 490222   | 3.818   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.946  | 10.397 | 993341   | 7.353   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.398 | 13.775 | 772634   | 5.357   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.776 | 17.446 | 1194106  | 8.337   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.447 | 22.458 | 10690971 | 77.628  | 600              | ug/ml |
| Aliphatic EPH             | 3.312  | 22.458 | 14141274 | 102.493 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.072 | 12.072 | 7180270  | 43.71   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.509 | 13.509 | 5667784  | 45.33   |                  | ug/ml |
| Aliphatic C9-C28          | 3.312  | 17.446 | 3450303  | 24.865  | 1200             | ug/ml |