

## Report of Analysis

|                    |                   |                 |          |
|--------------------|-------------------|-----------------|----------|
| Client:            | PSEG              | Date Collected: | 05/13/25 |
| Project:           | PSEG Bergen Point | Date Received:  | 05/14/25 |
| Client Sample ID:  | L3-WC-3           | SDG No.:        | Q2034    |
| Lab Sample ID:     | Q2034-09          | Matrix:         | Solid    |
| Analytical Method: | NJEPH             | % Solid:        | 82.9     |
| Sample Wt/Vol:     | 30.03             | Units:          | g        |
| Soil Aliquot Vol:  |                   |                 | uL       |
| Prep Method :      |                   | Final Vol:      | 2000     |
|                    |                   | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 05/15/25 09:30 | 05/15/25 16:40  | PB168018      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 7.08  |           | 1        | 1.42 | 2.41       | mg/kg             | FE053848.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 3.60  | J         | 1        | 1.10 | 4.83       | mg/kg             | FE053848.D |
| Total AliphaticEPH | Total AliphaticEPH | 10.7  |           |          | 2.52 | 7.24       | mg/kg             |            |
| Total EPH          | Total EPH          | 10.7  |           |          | 2.52 | 7.24       | 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: | 05/13/25             |
| Project:           | PSEG Bergen Point      | Date Received:  | 05/14/25             |
| Client Sample ID:  | L3-WC-3                | SDG No.:        | Q2034                |
| Lab Sample ID:     | Q2034-09               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 82.9                 |
| Sample Wt/Vol:     | 30.03      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 |
| FE053848.D | 1         | 05/15/25    | 05/15/25        | PB168018      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 3.60  | J         | 1.10     | 4.83       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 7.08  |           | 1.42     | 2.41       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 37.1  |           | 40 - 140 | 74%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 34.8  |           | 40 - 140 | 70%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2034-09   | Acq On:            | 15 May 2025 16:40 |
| Client Sample ID: | L3-WC-3    | Operator:          | YP\AJ             |
| Data file:        | FE053848.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 13                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.101  | 6.743  | 334337   | 2.466   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.744  | 10.192 | 889970   | 6.595   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.193 | 13.567 | 1579061  | 11.971  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.568 | 17.235 | 2953756  | 23.787  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.236 | 22.117 | 10169426 | 88.1    | 600              | ug/ml |
| Aliphatic EPH             | 3.101  | 22.117 | 15926550 | 132.919 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.851 | 11.851 | 5660599  | 34.83   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.296 | 13.296 | 4402920  | 37.14   |                  | ug/ml |
| Aliphatic C9-C28          | 3.101  | 17.235 | 5757124  | 44.819  | 1200             | ug/ml |