

## Report of Analysis

|                    |                              |                 |               |
|--------------------|------------------------------|-----------------|---------------|
| Client:            | PSEG                         | Date Collected: | 05/19/25      |
| Project:           | Hamilton Road - Hillsborough | Date Received:  | 05/19/25      |
| Client Sample ID:  | PL-HRH-06                    | SDG No.:        | Q2080         |
| Lab Sample ID:     | Q2080-11                     | Matrix:         | Solid         |
| Analytical Method: | NJEPH                        | % Solid:        | 84.5          |
| Sample Wt/Vol:     | 30.01      Units: g          | Final Vol:      | 10000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH_NF        |
| Prep Method :      |                              |                 |               |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 05/20/25 09:15 | 05/20/25 21:50  | PB168076      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 24.3  |           | 1        | 6.98 | 11.8       | mg/kg FE053936.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 45.1  |           | 1        | 5.39 | 23.7       | mg/kg FE053936.D  |
| Total AliphaticEPH | Total AliphaticEPH | 69.4  |           |          | 12.4 | 35.5       | mg/kg             |
| Total EPH          | Total EPH          | 69.4  |           |          | 12.4 | 35.5       | 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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| Lab Sample ID:     | Q2080-11                     | Matrix:         | Solid         |
| Analytical Method: | NJEPH                        | % Solid:        | 84.5          |
| Sample Wt/Vol:     | 30.01      Units:    g       | Final Vol:      | 10000      uL |
| Soil Aliquot Vol:  | uL                           | Test:           | EPH_NF        |
| Prep Method :      |                              |                 |               |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE053936.D | 1         | 05/20/25    | 05/20/25        | PB168076      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 45.1  |           | 5.39     | 23.7       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 24.3  |           | 6.98     | 11.8       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 54.4  |           | 40 - 140 | 109%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 50.2  |           | 40 - 140 | 100%       | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2080-11   | Acq On:            | 20 May 2025 21:50 |
| Client Sample ID: | PL-HRH-06  | Operator:          | YP\AJ             |
| Data file:        | FE053936.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 32                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.098  | 6.739  | 398190   | 2.937   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.740  | 10.187 | 4814924  | 35.682  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.188 | 13.561 | 3077066  | 23.327  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.562 | 17.229 | 6482917  | 52.207  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.230 | 22.108 | 7098906  | 61.499  | 600              | ug/ml |
| Aliphatic EPH             | 3.098  | 22.108 | 21872003 | 175.652 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.847 | 11.847 | 8160283  | 50.21   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.291 | 13.291 | 6452459  | 54.43   |                  | ug/ml |
| Aliphatic C9-C28          | 3.098  | 17.229 | 14773097 | 114.153 | 1200             | ug/ml |