

## Report of Analysis

|                    |                      |                 |          |
|--------------------|----------------------|-----------------|----------|
| Client:            | PSEG                 | Date Collected: | 02/03/25 |
| Project:           | Sewaren Laydown Yard | Date Received:  | 02/03/25 |
| Client Sample ID:  | 72-11984             | SDG No.:        | Q1280    |
| Lab Sample ID:     | Q1280-01             | Matrix:         | Solid    |
| Analytical Method: | NJEPH                | % Solid:        | 84.4     |
| Sample Wt/Vol:     | 30.07                | Units:          | g        |
| Soil Aliquot Vol:  |                      | Final Vol:      | 2000 uL  |
| Prep Method :      |                      | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 02/04/25 08:15 | 02/04/25 17:38  | PB166524      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 23.9  |           | 1        | 2.13 | 2.36       | mg/kg FE052225.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 9.26  |           | 1        | 2.03 | 4.73       | mg/kg FE052225.D  |
| Total AliphaticEPH | Total AliphaticEPH | 33.2  |           |          | 4.16 | 7.09       | mg/kg             |
| Total EPH          | Total EPH          | 33.2  |           |          | 4.16 | 7.09       | 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:  | 72-11984               | SDG No.:        | Q1280                |
| Lab Sample ID:     | Q1280-01               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 84.4                 |
| Sample Wt/Vol:     | 30.07      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 |
| FE052225.D | 1         | 02/04/25    | 02/04/25        | PB166524      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 9.26  |           | 2.03     | 4.73       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 23.9  |           | 2.13     | 2.36       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 30.1  |           | 40 - 140 | 60%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.8  |           | 40 - 140 | 58%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1280-01   | Acq On:            | 04 Feb 2025 17:38 |
| Client Sample ID: | 72-11984   | Operator:          | YP\AJ             |
| Data file:        | FE052225.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 21                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.618  | 7.187  | 940712   | 9.78    | 300              | ug/ml |
| Aliphatic C12-C16         | 7.188  | 10.597 | 2862944  | 27.341  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.598 | 13.950 | 6768843  | 59.889  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.951 | 17.598 | 2339041  | 20.518  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.599 | 22.669 | 27744232 | 303.038 | 600              | ug/ml |
| Aliphatic EPH             | 3.618  | 22.669 | 40655772 | 420.567 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.288 | 12.288 | 3566250  | 28.81   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.701 | 13.701 | 2970487  | 30.1    |                  | ug/ml |
| Aliphatic C9-C28          | 3.618  | 17.598 | 12911540 | 117.528 | 1200             | ug/ml |