

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | PSEG                   | Date Collected: | 06/13/25                     |
| Project:           | PSEG Nokia H2          | Date Received:  | 06/16/25                     |
| Client Sample ID:  | TP05-MH17A-EPH         | SDG No.:        | Q2340                        |
| Lab Sample ID:     | Q2340-03               | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                  | % Solid:        | 91.8                         |
| Sample Wt/Vol:     | 30.09      Units:    g | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF                       |
| Prep Method :      |                        |                 |                              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 06/17/25 09:40 | 06/17/25 21:03  | PB168506      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 32.9  |           | 1        | 1.28 | 2.17       | mg/kg             | FE054456.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.21  | J         | 1        | 0.99 | 4.35       | mg/kg             | FE054456.D |
| Total AliphaticEPH | Total AliphaticEPH | 35.1  |           |          | 2.27 | 6.52       | mg/kg             |            |
| Total EPH          | Total EPH          | 35.1  |           |          | 2.27 | 6.52       | 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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|                    |                        |                 |                      |
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| Lab Sample ID:     | Q2340-03               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 91.8                 |
| Sample Wt/Vol:     | 30.09      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 |
| FE054456.D | 1         | 06/17/25    | 06/17/25        | PB168506      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 2.21  | J         | 0.99     | 4.35       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 32.9  |           | 1.28     | 2.17       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 30.2  |           | 40 - 140 | 60%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.5  |           | 40 - 140 | 57%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                |                    |                   |
|-------------------|----------------|--------------------|-------------------|
| Lab Sample ID:    | Q2340-03       | Acq On:            | 17 Jun 2025 21:03 |
| Client Sample ID: | TP05-MH17A-EPH | Operator:          | YP\AJ             |
| Data file:        | FE054456.D     | Misc:              |                   |
| Instrument:       | FID_E          | ALS Vial:          | 24                |
| Dilution Factor:  | 1              | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.073  | 6.717  | 968845   | 7.735   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.718  | 10.164 | 812372   | 6.194   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.165 | 13.536 | 673400   | 5.028   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.537 | 17.202 | 1470478  | 11.572  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.203 | 22.064 | 58275405 | 454.406 | 600              | ug/ml |
| Aliphatic EPH             | 3.073  | 22.064 | 62200500 | 484.935 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.827 | 11.827 | 4706724  | 28.48   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.272 | 13.272 | 3687297  | 30.24   |                  | ug/ml |
| Aliphatic C9-C28          | 3.073  | 17.202 | 3925095  | 30.529  | 1200             | ug/ml |