

## Report of Analysis

|                    |                     |                 |          |
|--------------------|---------------------|-----------------|----------|
| Client:            | PSEG                | Date Collected: | 05/01/25 |
| Project:           | Waldwick Substation | Date Received:  | 05/01/25 |
| Client Sample ID:  | COMP-7              | SDG No.:        | Q1932    |
| Lab Sample ID:     | Q1932-07            | Matrix:         | Solid    |
| Analytical Method: | NJEPH               | % Solid:        | 94.6     |
| Sample Wt/Vol:     | 30.03               | Units:          | g        |
| Soil Aliquot Vol:  |                     | Final Vol:      | 2000 uL  |
| Prep Method :      |                     | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 05/02/25 09:15 | 05/02/25 15:23  | PB167833      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 2.49  |           | 1        | 1.25 | 2.11       | mg/kg FE053622.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 4.43  |           | 1        | 0.96 | 4.23       | mg/kg FE053622.D  |
| Total AliphaticEPH | Total AliphaticEPH | 6.92  |           |          | 2.21 | 6.34       | mg/kg             |
| Total EPH          | Total EPH          | 6.92  |           |          | 2.21 | 6.34       | 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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| Project:           | Waldwick Substation    | Date Received:  | 05/01/25             |
| Client Sample ID:  | COMP-7                 | SDG No.:        | Q1932                |
| Lab Sample ID:     | Q1932-07               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 94.6                 |
| 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 |
| FE053622.D | 1         | 05/02/25    | 05/02/25        | PB167833      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 4.43  |           | 0.96     | 4.23       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 2.49  |           | 1.25     | 2.11       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 26.8  |           | 40 - 140 | 54%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 25.5  |           | 40 - 140 | 51%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1932-07   | Acq On:            | 02 May 2025 15:23 |
| Client Sample ID: | COMP-7     | Operator:          | YP\AJ             |
| Data file:        | FE053622.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 9                 |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc   | highest_standard | Units |
|---------------------------|--------|--------|----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.114  | 6.755  | 418396   | 3.02   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.756  | 10.204 | 772291   | 5.446  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.205 | 13.579 | 4993028  | 34.349 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.580 | 17.248 | 2841750  | 19.988 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.249 | 22.135 | 4571781  | 35.427 | 600              | ug/ml |
| Aliphatic EPH             | 3.114  | 22.135 | 13597246 | 98.229 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.866 | 11.866 | 4592763  | 25.46  |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.311 | 13.311 | 3616352  | 26.75  |                  | ug/ml |
| Aliphatic C9-C28          | 3.114  | 17.248 | 9025465  | 62.803 | 1200             | ug/ml |