

## Report of Analysis

|                    |                             |                 |         |
|--------------------|-----------------------------|-----------------|---------|
| Client:            | PSEG                        | Date Collected: |         |
| Project:           | Port Street Substation 69kV | Date Received:  |         |
| Client Sample ID:  | PB169120BS                  | SDG No.:        | Q2753   |
| Lab Sample ID:     | PB169120BS                  | Matrix:         | Solid   |
| Analytical Method: | NJEPH                       | % Solid:        | 100     |
| Sample Wt/Vol:     | 30.02 Units: g              | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  | uL                          | Test:           | EPH_NF  |
| Prep Method :      |                             |                 |         |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/05/25 09:20 | 08/05/25 14:23  | PB169120      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 25.6  |           | 1        | 1.18 | 2.00       | mg/kg             | FE055129.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 70.5  |           | 1        | 0.91 | 3.99       | mg/kg             | FE055129.D |
| Total AliphaticEPH | Total AliphaticEPH | 96.1  |           |          | 2.09 | 5.99       | mg/kg             |            |
| Total EPH          | Total EPH          | 96.1  |           |          | 2.09 | 5.99       | 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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| Client Sample ID:  | PB169120BS                  | SDG No.:        | Q2753                |
| Lab Sample ID:     | PB169120BS                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                       | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.02      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 |
| FE055129.D | 1         | 08/05/25    | 08/05/25        | PB169120      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 70.5  |           | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 25.6  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 43.4  |           | 40 - 140 | 87%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 41.7  |           | 40 - 140 | 83%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB169120BS | Acq On:            | 05 Aug 2025 14:23 |
| Client Sample ID: | PB169120BS | Operator:          | YP\AJ             |
| Data file:        | FE055129.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 12                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.325  | 6.958  | 20540877  | 175.89  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.959  | 10.410 | 29475355  | 235.375 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.411 | 13.789 | 34914259  | 276.21  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.790 | 17.459 | 44629544  | 370.352 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.460 | 22.481 | 43815488  | 384.39  | 600              | ug/ml |
| Aliphatic EPH             | 3.325  | 22.481 | 173375523 | 1440    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.089 | 12.089 | 5954386   | 41.7    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.524 | 13.524 | 4668323   | 43.42   |                  | ug/ml |
| Aliphatic C9-C28          | 3.325  | 17.459 | 129560035 | 1060    | 1200             | ug/ml |