

## Report of Analysis

|                    |                        |                 |              |
|--------------------|------------------------|-----------------|--------------|
| Client:            | PSEG                   | Date Collected: | 06/11/25     |
| Project:           | Central Ave Substation | Date Received:  | 06/11/25     |
| Client Sample ID:  | CONCRETE-SLAB          | SDG No.:        | Q2287        |
| Lab Sample ID:     | Q2287-01               | Matrix:         | Solid        |
| Analytical Method: | NJEPH                  | % Solid:        | 100          |
| 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 |
| 06/12/25 08:55 | 06/13/25 15:20  | PB168438      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 70.2  |           | 10       | 11.8 | 19.9       | mg/kg FE054384.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 77.3  |           | 10       | 9.08 | 39.9       | mg/kg FE054384.D  |
| Total AliphaticEPH | Total AliphaticEPH | 148   |           |          | 20.9 | 59.8       | mg/kg             |
| Total EPH          | Total EPH          | 148   |           |          | 20.9 | 59.8       | 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:     | Q2287-01               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| 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 |
| FE054351.D | 1         | 06/12/25    | 06/12/25        | PB168438      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 85.6  | E         | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 69.7  | E         | 1.18     | 1.99       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 41.3  |           | 40 - 140 | 83%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 39.4  |           | 40 - 140 | 79%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |               |                    |                   |
|-------------------|---------------|--------------------|-------------------|
| Lab Sample ID:    | Q2287-01      | Acq On:            | 12 Jun 2025 21:44 |
| Client Sample ID: | CONCRETE-SLAB | Operator:          | YP\AJ             |
| Data file:        | FE054351.D    | Misc:              |                   |
| Instrument:       | FID_E         | ALS Vial:          | 27                |
| Dilution Factor:  | 1             | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc   | highest_standard | Units |
|---------------------------|--------|--------|-----------|--------|------------------|-------|
| Aliphatic C9-C12          | 3.077  | 6.722  | 2660974   | 21.244 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.723  | 10.169 | 1113763   | 8.492  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.170 | 13.542 | 12133155  | 90.596 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.543 | 17.208 | 148299397 | 1170   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.209 | 22.074 | 134547609 | 1050   | 600              | ug/ml |
| Aliphatic EPH             | 3.077  | 22.074 | 298754898 | 2340   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.827 | 11.827 | 6508083   | 39.39  |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.272 | 13.272 | 5039007   | 41.32  |                  | ug/ml |
| Aliphatic C9-C28          | 3.077  | 17.208 | 164207289 | 1290   | 1200             | ug/ml |