

## Report of Analysis

|                    |            |                 |          |
|--------------------|------------|-----------------|----------|
| Client:            | PSEG       | Date Collected: | 05/09/25 |
| Project:           | Camden M&R | Date Received:  | 05/09/25 |
| Client Sample ID:  | R0202      | SDG No.:        | Q2004    |
| Lab Sample ID:     | Q2004-05   | Matrix:         | Solid    |
| Analytical Method: | NJEPH      | % Solid:        | 94.2     |
| Sample Wt/Vol:     | 30.05      | Units:          | g        |
| Soil Aliquot Vol:  |            | Final Vol:      | 2000 uL  |
| Prep Method :      |            | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 05/12/25 08:30 | 05/12/25 19:31  | PB167945      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 11.4  |           | 1        | 1.25 | 2.12       | mg/kg             | FC068837.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 3.12  | J         | 1        | 0.97 | 4.24       | mg/kg             | FC068837.D |
| Total AliphaticEPH | Total AliphaticEPH | 14.5  |           |          | 2.21 | 6.36       | mg/kg             |            |
| Total EPH          | Total EPH          | 14.5  |           |          | 2.21 | 6.36       | 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:     | Q2004-05   | Matrix:         | Solid    |
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| Sample Wt/Vol:     | 30.05      | Units:          | g        |
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| Prep Method :      |            | Test:           | EPH_NF   |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068837.D | 1         | 05/12/25    | 05/12/25        | PB167945      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 3.12  | J         | 0.97     | 4.24       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 11.4  |           | 1.25     | 2.12       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 61.5  |           | 40 - 140 | 123%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 54.9  |           | 40 - 140 | 110%       | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2004-05   | Acq On:            | 12 May 2025 19:31 |
| Client Sample ID: | R0202      | Operator:          | YP/AJ             |
| Data file:        | FC068837.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 21                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.340  | 6.639  | 320016   | 3.228   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.640  | 10.038 | 873497   | 9.601   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.039 | 13.403 | 1272528  | 14.838  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.404 | 17.066 | 1367162  | 16.454  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.067 | 22.059 | 13654988 | 161.363 | 600              | ug/ml |
| Aliphatic EPH             | 3.340  | 22.059 | 17488191 | 205.484 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.712 | 11.712 | 6261691  | 54.86   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.144 | 13.144 | 4933089  | 61.49   |                  | ug/ml |
| Aliphatic C9-C28          | 3.340  | 17.066 | 3833203  | 44.121  | 1200             | ug/ml |