

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | PSEG            | Date Collected: | 09/10/25 |
| Project:           | Bellmawr Sub HQ | Date Received:  | 09/10/25 |
| Client Sample ID:  | BEL-25-0023     | SDG No.:        | Q3073    |
| Lab Sample ID:     | Q3073-02        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 100      |
| Sample Wt/Vol:     | 5.03            | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 09/11/25 10:00 | 09/12/25 9:24   | PB169650      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 70000 |           | 500      | 3520 | 5960       | mg/kg FG016609.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 26600 |           | 100      | 543  | 2380       | mg/kg FG016608.D  |
| Total AliphaticEPH | Total AliphaticEPH | 96600 |           |          | 4060 | 8350       | mg/kg             |
| Total EPH          | Total EPH          | 96600 |           |          | 4060 | 8350       | 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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|                    |                       |                 |              |
|--------------------|-----------------------|-----------------|--------------|
| Client:            | PSEG                  | Date Collected: | 09/10/25     |
| Project:           | Bellmawr Sub HQ       | Date Received:  | 09/10/25     |
| Client Sample ID:  | BEL-25-0023           | SDG No.:        | Q3073        |
| Lab Sample ID:     | Q3073-02              | Matrix:         | Solid        |
| Analytical Method: | NJEPH                 | % Solid:        | 100          |
| Sample Wt/Vol:     | 5.03      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 |
| FG016602.D | 1         | 09/11/25    | 09/11/25        | PB169650      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 23900 | E         | 5.43     | 23.9       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 63900 | E         | 7.04     | 11.9       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 49.9  |           | 40 - 140 | 100%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 33.0  |           | 40 - 140 | 66%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q3073-02    | Acq On:            | 11 Sep 2025 19:02 |
| Client Sample ID: | BEL-25-0023 | Operator:          | YP\AJ             |
| Data file:        | FG016602.D  | Misc:              |                   |
| Instrument:       | FID_G       | ALS Vial:          | 28                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response    | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.283  | 6.926  | 69650928    | 606.985 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.927  | 10.386 | 188528419   | 1610    | 200              | ug/ml |
| Aliphatic C16-C21         | 10.387 | 13.776 | 84917540    | 722.861 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.777 | 17.463 | 6388768356  | 57200   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.464 | 22.506 | 14607086610 | 161000  | 600              | ug/ml |
| Aliphatic EPH             | 3.283  | 22.506 | 21338951853 | 221000  |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.075 | 12.075 | 4373106     | 33.03   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.553 | 13.553 | 5017561     | 49.85   |                  | ug/ml |
| Aliphatic C9-C28          | 3.283  | 17.463 | 6731865243  | 60100   | 1200             | ug/ml |