

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | PSEG                | Date Collected: |              |
| Project:           | New Freedom Switch  | Date Received:  |              |
| Client Sample ID:  | PB170007BS          | SDG No.:        | Q3297        |
| Lab Sample ID:     | PB170007BS          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_NF       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 10/07/25 10:00 | 10/07/25 14:48  | PB170007      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 26.3  |           | 1        | 1.18 | 2.00       | mg/kg             | FC069948.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 68.9  |           | 1        | 0.91 | 4.00       | mg/kg             | FC069948.D |
| Total AliphaticEPH | Total AliphaticEPH | 95.2  |           |          | 2.09 | 6.00       | mg/kg             |            |
| Total EPH          | Total EPH          | 95.2  |           |          | 2.09 | 6.00       | 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

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | PSEG                   | Date Collected: |                      |
| Project:           | New Freedom Switch     | Date Received:  |                      |
| Client Sample ID:  | PB170007BS             | SDG No.:        | Q3297                |
| Lab Sample ID:     | PB170007BS             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      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 |
| FC069948.D | 1         | 10/07/25    | 10/07/25        | PB170007      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 68.9  |           | 0.91     | 4.00       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 26.3  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 31.6  |           | 40 - 140 | 63%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 30.4  |           | 40 - 140 | 61%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB170007BS | Acq On:            | 07 Oct 2025 14:48 |
| Client Sample ID: | PB170007BS | Operator:          | YP/AJ             |
| Data file:        | FC069948.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 11                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.284  | 6.577  | 29801721  | 205.834 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.578  | 9.977  | 40748991  | 248.8   | 200              | ug/ml |
| Aliphatic C16-C21         | 9.978  | 13.345 | 45102660  | 278.505 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.346 | 17.008 | 44123116  | 299.867 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.009 | 21.963 | 42470872  | 394.711 | 600              | ug/ml |
| Aliphatic EPH             | 3.284  | 21.963 | 202247360 | 1430    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.646 | 11.646 | 5339633   | 30.41   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.081 | 13.081 | 4282775   | 31.55   |                  | ug/ml |
| Aliphatic C9-C28          | 3.284  | 17.008 | 159776488 | 1030    | 1200             | ug/ml |