

## Report of Analysis

|                    |                            |                 |              |
|--------------------|----------------------------|-----------------|--------------|
| Client:            | PSEG                       | Date Collected: | 05/23/25     |
| Project:           | PSEG East Edison Test Pits | Date Received:  | 05/23/25     |
| Client Sample ID:  | TP03-MHM-EPH               | SDG No.:        | Q2128        |
| Lab Sample ID:     | Q2128-02                   | Matrix:         | Solid        |
| Analytical Method: | NJEPH                      | % Solid:        | 83.1         |
| 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 |
| 05/28/25 08:55 | 05/29/25 7:27   | PB168176      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 8.09  |           | 1        | 1.42 | 2.41       | mg/kg             | FE054058.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 9.12  |           | 1        | 1.09 | 4.80       | mg/kg             | FE054058.D |
| Total AliphaticEPH | Total AliphaticEPH | 17.2  |           |          | 2.51 | 7.21       | mg/kg             |            |
| Total EPH          | Total EPH          | 17.2  |           |          | 2.51 | 7.21       | 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: | 05/23/25             |
| Project:           | PSEG East Edison Test Pits | Date Received:  | 05/23/25             |
| Client Sample ID:  | TP03-MHM-EPH               | SDG No.:        | Q2128                |
| Lab Sample ID:     | Q2128-02                   | Matrix:         | Solid                |
| Analytical Method: | NJEPH                      | % Solid:        | 83.1                 |
| 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 |
| FE054058.D | 1         | 05/28/25    | 05/29/25        | PB168176      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 9.12  |           | 1.09     | 4.80       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 8.09  |           | 1.42     | 2.41       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 68.2  |           | 40 - 140 | 136%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 61.4  |           | 40 - 140 | 123%       | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q2128-02     | Acq On:            | 29 May 2025 07:27 |
| Client Sample ID: | TP03-MHM-EPH | Operator:          | YP\AJ             |
| Data file:        | FE054058.D   | Misc:              |                   |
| Instrument:       | FID_E        | ALS Vial:          | 17                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.089  | 6.735  | 334259   | 2.466   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.736  | 10.183 | 1860934  | 13.791  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.184 | 13.557 | 6040862  | 45.795  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.558 | 17.224 | 6411566  | 51.632  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.225 | 22.100 | 11654264 | 100.963 | 600              | ug/ml |
| Aliphatic EPH             | 3.089  | 22.100 | 26301885 | 214.647 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.848 | 11.848 | 9981267  | 61.42   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.292 | 13.292 | 8090340  | 68.24   |                  | ug/ml |
| Aliphatic C9-C28          | 3.089  | 17.224 | 14647621 | 113.684 | 1200             | ug/ml |