

## Report of Analysis

|                    |              |                 |          |
|--------------------|--------------|-----------------|----------|
| Client:            | PSEG         | Date Collected: | 07/08/25 |
| Project:           | Moorestown   | Date Received:  | 07/08/25 |
| Client Sample ID:  | PAD-070825-2 | SDG No.:        | Q2523    |
| Lab Sample ID:     | Q2523-03     | Matrix:         | Solid    |
| Analytical Method: | NJEPH        | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.08        | Units:          | g        |
| Soil Aliquot Vol:  |              | Final Vol:      | 2000 uL  |
| Prep Method :      |              | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 07/09/25 09:30 | 07/09/25 16:53  | PB168768      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.27  |           | 1        | 1.18 | 1.99       | mg/kg             | FE054761.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 161   |           | 10       | 9.09 | 39.9       | mg/kg             | FE054775.D |
| Total AliphaticEPH | Total AliphaticEPH | 167   |           |          | 10.3 | 41.9       | mg/kg             |            |
| Total EPH          | Total EPH          | 167   |           |          | 10.3 | 41.9       | 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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|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
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| Project:           | Moorestown             | Date Received:  | 07/08/25             |
| Client Sample ID:  | PAD-070825-2           | SDG No.:        | Q2523                |
| Lab Sample ID:     | Q2523-03               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.08      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 |
| FE054761.D | 1         | 07/09/25    | 07/09/25        | PB168768      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 166   | E         | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.27  |           | 1.18     | 1.99       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 35.9  |           | 40 - 140 | 72%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 36.2  |           | 40 - 140 | 72%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q2523-03     | Acq On:            | 09 Jul 2025 16:53 |
| Client Sample ID: | PAD-070825-2 | Operator:          | YP\AJ             |
| Data file:        | FE054761.D   | Misc:              |                   |
| Instrument:       | FID_E        | ALS Vial:          | 16                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.321  | 6.954  | 357555    | 2.628   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.955  | 10.406 | 13431561  | 95.552  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.407 | 13.784 | 219037092 | 1520    | 300              | ug/ml |
| Aliphatic C21-C28         | 13.785 | 17.454 | 130384265 | 901.367 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.455 | 22.477 | 10996564  | 79.313  | 600              | ug/ml |
| Aliphatic EPH             | 3.321  | 22.477 | 374207037 | 2600    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.084 | 12.084 | 5876743   | 36.19   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.522 | 13.522 | 4529998   | 35.87   |                  | ug/ml |
| Aliphatic C9-C28          | 3.321  | 17.454 | 363210473 | 2520    | 1200             | ug/ml |