

## Report of Analysis

|                    |                  |                 |          |
|--------------------|------------------|-----------------|----------|
| Client:            | PSEG             | Date Collected: | 09/18/25 |
| Project:           | Moorestown HQ    | Date Received:  | 09/18/25 |
| Client Sample ID:  | MOO-25-0239-0241 | SDG No.:        | Q3138    |
| Lab Sample ID:     | Q3138-04         | Matrix:         | Solid    |
| Analytical Method: | NJEPH            | % Solid:        | 63       |
| Sample Wt/Vol:     | 30.05            | Units:          | g        |
| Soil Aliquot Vol:  |                  |                 | uL       |
| Prep Method :      |                  | Final Vol:      | 2000     |
|                    |                  | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 09/19/25 08:55 | 09/19/25 19:28  | PB169750      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 612   |           | 10       | 18.7 | 31.7       | mg/kg FE055909.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 17700 |           | 200      | 288  | 1270       | mg/kg FE055920.D  |
| Total AliphaticEPH | Total AliphaticEPH | 18300 |           |          | 306  | 1300       | mg/kg             |
| Total EPH          | Total EPH          | 18300 |           |          | 306  | 1300       | 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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| Client Sample ID:  | MOO-25-0239-0241       | SDG No.:        | Q3138                |
| Lab Sample ID:     | Q3138-04               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 63                   |
| Sample Wt/Vol:     | 30.05      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 |
| FE055909.D | 10        | 09/19/25    | 09/19/25        | PB169750      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 17000 | E         | 14.4     | 63.3       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 612   |           | 18.7     | 31.7       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                  |                    |                   |
|-------------------|------------------|--------------------|-------------------|
| Lab Sample ID:    | Q3138-04         | Acq On:            | 19 Sep 2025 19:28 |
| Client Sample ID: | MOO-25-0239-0241 | Operator:          | YP\AJ             |
| Data file:        | FE055909.D       | Misc:              |                   |
| Instrument:       | FID_E            | ALS Vial:          | 23                |
| Dilution Factor:  | 10               | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response   | Conc    | highest_standard | Units |
|---------------------------|--------|--------|------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.311  | 6.947  | 1364372    | 10.626  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.948  | 10.401 | 298406371  | 2210    | 200              | ug/ml |
| Aliphatic C16-C21         | 10.402 | 13.781 | 1414727126 | 9810    | 300              | ug/ml |
| Aliphatic C21-C28         | 13.782 | 17.454 | 588690760  | 4110    | 400              | ug/ml |
| Aliphatic C28-C40         | 17.455 | 22.471 | 79883121   | 580.041 | 600              | ug/ml |
| Aliphatic EPH             | 3.311  | 22.471 | 2383071750 | 16700   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| Aliphatic C9-C28          | 3.311  | 17.454 | 2303188629 | 16100   | 1200             | ug/ml |