

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | PSEG                   | Date Collected: | 08/13/25                     |
| Project:           | New Milford Sub        | Date Received:  | 08/13/25                     |
| Client Sample ID:  | DRILL CUTTING 1-5-EPH2 | SDG No.:        | Q2871                        |
| Lab Sample ID:     | Q2871-08               | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                  | % Solid:        | 88.1                         |
| Sample Wt/Vol:     | 30.05      Units:    g | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF                       |
| Prep Method :      |                        |                 |                              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/18/25 08:35 | 08/18/25 18:36  | PB169284      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 6.34  |           | 1        | 1.34 | 2.27       | mg/kg             | FE055363.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.34  | J         | 1        | 1.03 | 4.53       | mg/kg             | FE055363.D |
| Total AliphaticEPH | Total AliphaticEPH | 8.68  |           |          | 2.37 | 6.80       | mg/kg             |            |
| Total EPH          | Total EPH          | 8.68  |           |          | 2.37 | 6.80       | 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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| Analytical Method: | NJEPH                  | % Solid:        | 88.1                 |
| 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 |
| FE055363.D | 1         | 08/18/25    | 08/18/25        | PB169284      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 2.34  | J         | 1.03     | 4.53       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 6.34  |           | 1.34     | 2.27       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 41.0  |           | 40 - 140 | 82%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 39.1  |           | 40 - 140 | 78%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | Q2871-08              | Acq On:            | 18 Aug 2025 18:36 |
| Client Sample ID: | DRILL CUTTING 1-5-EPH | Operator:          | YP\AJ             |
| Data file:        | FE055363.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          | 3.320  | 6.953  | 552592   | 4.732   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.954  | 10.407 | 830615   | 6.633   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.408 | 13.786 | 872049   | 6.899   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.787 | 17.457 | 1527252  | 12.674  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.458 | 22.478 | 9562034  | 83.887  | 600              | ug/ml |
| Aliphatic EPH             | 3.320  | 22.478 | 13344542 | 114.824 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.082 | 12.082 | 5580346  | 39.08   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.518 | 13.518 | 4412078  | 41.03   |                  | ug/ml |
| Aliphatic C9-C28          | 3.320  | 17.457 | 3782508  | 30.938  | 1200             | ug/ml |