

## Report of Analysis

|                    |                                        |                 |              |
|--------------------|----------------------------------------|-----------------|--------------|
| Client:            | PSEG                                   | Date Collected: | 03/04/25     |
| Project:           | PSEG - Old Trenton Road - West Windsor | Date Received:  | 03/04/25     |
| Client Sample ID:  | TR-OTR-02                              | SDG No.:        | Q1484        |
| Lab Sample ID:     | Q1484-04                               | Matrix:         | Solid        |
| Analytical Method: | NJEPH                                  | % Solid:        | 89.3         |
| Sample Wt/Vol:     | 30.09      Units: g                    | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                                     | Test:           | EPH_NF       |
| Prep Method :      |                                        |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 03/05/25 08:33 | 03/05/25 15:29  | PB166980      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 5.70  |           | 1        | 2.01 | 2.23       | mg/kg             | FF015601.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.63  | J         | 1        | 1.92 | 4.47       | mg/kg             | FF015601.D |
| Total AliphaticEPH | Total AliphaticEPH | 8.34  |           |          | 3.93 | 6.70       | mg/kg             |            |
| Total EPH          | Total EPH          | 8.34  |           |          | 3.93 | 6.70       | 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:  | TR-OTR-02                              | SDG No.:        | Q1484                |
| Lab Sample ID:     | Q1484-04                               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                  | % Solid:        | 89.3                 |
| Sample Wt/Vol:     | 30.09      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 |
| FF015601.D | 1         | 03/05/25    | 03/05/25        | PB166980      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 2.63  | J         | 1.92     | 4.47       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 5.70  |           | 2.01     | 2.23       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 25.0  |           | 40 - 140 | 50%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 23.7  |           | 40 - 140 | 47%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1484-04   | Acq On:            | 05 Mar 2025 15:29 |
| Client Sample ID: | TR-OTR-02  | Operator:          | YP\AJ             |
| Data file:        | FF015601.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 75                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.196  | 6.822  | 1178745  | 9.374   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.823  | 10.260 | 434556   | 3.392   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.261 | 13.631 | 1647243  | 11.917  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.632 | 17.298 | 1981522  | 14.061  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.299 | 22.196 | 8798810  | 76.537  | 600              | ug/ml |
| Aliphatic EPH             | 3.196  | 22.196 | 14040876 | 115.281 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.933 | 11.933 | 3709933  | 23.73   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.370 | 13.370 | 2954800  | 24.97   |                  | ug/ml |
| Aliphatic C9-C28          | 3.196  | 17.298 | 5242066  | 38.744  | 1200             | ug/ml |