

## Report of Analysis

|                    |                                              |                 |                              |
|--------------------|----------------------------------------------|-----------------|------------------------------|
| Client:            | PSEG                                         | Date Collected: | 08/07/25                     |
| Project:           | Trenton Gas and Appliance Service MA00006789 | Date Received:  | 08/07/25                     |
| Client Sample ID:  | TR-04-080725                                 | SDG No.:        | Q2801                        |
| Lab Sample ID:     | Q2801-01                                     | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                                        | % Solid:        | 95.4                         |
| Sample Wt/Vol:     | 30.04      Units:    g                       | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                                           | Test:           | EPH_NF                       |
| Prep Method :      |                                              |                 |                              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/08/25 09:37 | 08/11/25 10:07  | PB169177      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 54.9  |           | 2        | 2.47 | 4.19       | mg/kg             | FE055225.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 45.2  |           | 1        | 0.95 | 4.20       | mg/kg             | FE055215.D |
| Total AliphaticEPH | Total AliphaticEPH | 100   |           |          | 3.42 | 8.39       | mg/kg             |            |
| Total EPH          | Total EPH          | 100   |           |          | 3.42 | 8.39       | 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-04-080725                                 | SDG No.:        | Q2801                |
| Lab Sample ID:     | Q2801-01                                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                        | % Solid:        | 95.4                 |
| Sample Wt/Vol:     | 30.04      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 |
| FE055215.D | 1         | 08/08/25    | 08/08/25        | PB169177      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 45.2  |           | 0.95     | 4.20       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 49.1  | E         | 1.24     | 2.09       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 44.8  |           | 40 - 140 | 90%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 33.6  |           | 40 - 140 | 67%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q2801-01     | Acq On:            | 08 Aug 2025 17:18 |
| Client Sample ID: | TR-04-080725 | Operator:          | YP\AJ             |
| Data file:        | FE055215.D   | Misc:              |                   |
| Instrument:       | FID_E        | ALS Vial:          | 14                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.325  | 6.960  | 1302387   | 11.152  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.961  | 10.413 | 11217049  | 89.574  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.414 | 13.792 | 36028408  | 285.024 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.793 | 17.464 | 31588345  | 262.132 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.465 | 22.492 | 80171013  | 703.334 | 600              | ug/ml |
| Aliphatic EPH             | 3.325  | 22.492 | 160307202 | 1350    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.086 | 12.086 | 4803078   | 33.63   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.522 | 13.522 | 4821122   | 44.84   |                  | ug/ml |
| Aliphatic C9-C28          | 3.325  | 17.464 | 80136189  | 647.882 | 1200             | ug/ml |