

## Report of Analysis

|                    |                                              |                 |          |
|--------------------|----------------------------------------------|-----------------|----------|
| Client:            | PSEG                                         | Date Collected: | 08/20/25 |
| Project:           | Oradell Gas and Appliance Service MA00006789 | Date Received:  | 08/20/25 |
| Client Sample ID:  | OR-02-082025                                 | SDG No.:        | Q2917    |
| Lab Sample ID:     | Q2917-02                                     | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                        | % Solid:        | 89.3     |
| Sample Wt/Vol:     | 30.06 Units: g                               | Final Vol:      | 2000 uL  |
| Soil Aliquot Vol:  | uL                                           | Test:           | EPH_NF   |
| Prep Method :      |                                              |                 |          |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/21/25 11:20 | 08/22/25 10:11  | PB169342      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 88.2  |           | 5        | 6.59 | 11.2       | mg/kg             | FE055453.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 30.0  |           | 1        | 1.02 | 4.47       | mg/kg             | FE055441.D |
| Total AliphaticEPH | Total AliphaticEPH | 118   |           |          | 7.61 | 15.7       | mg/kg             |            |
| Total EPH          | Total EPH          | 118   |           |          | 7.61 | 15.7       | 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

## Report of Analysis

|                    |                                              |                 |                      |
|--------------------|----------------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                         | Date Collected: | 08/20/25             |
| Project:           | Oradell Gas and Appliance Service MA00006789 | Date Received:  | 08/20/25             |
| Client Sample ID:  | OR-02-082025                                 | SDG No.:        | Q2917                |
| Lab Sample ID:     | Q2917-02                                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                        | % Solid:        | 89.3                 |
| Sample Wt/Vol:     | 30.06      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 |
| FE055441.D | 1         | 08/21/25    | 08/21/25        | PB169342      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 30.0  |           | 1.02     | 4.47       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 77.8  | E         | 1.32     | 2.24       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 52.1  |           | 40 - 140 | 104%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 46.6  |           | 40 - 140 | 93%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q2917-02     | Acq On:            | 21 Aug 2025 22:19 |
| Client Sample ID: | OR-02-082025 | Operator:          | YP\AJ             |
| Data file:        | FE055441.D   | Misc:              |                   |
| Instrument:       | FID_E        | ALS Vial:          | 25                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.319  | 6.954  | 743159    | 6.364   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.955  | 10.407 | 4163464   | 33.247  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.408 | 13.787 | 20236470  | 160.092 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.788 | 17.460 | 24350575  | 202.07  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.461 | 22.485 | 119070676 | 1040    | 600              | ug/ml |
| Aliphatic EPH             | 3.319  | 22.485 | 168564344 | 1450    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.085 | 12.085 | 6658860   | 46.63   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.522 | 13.522 | 5600493   | 52.09   |                  | ug/ml |
| Aliphatic C9-C28          | 3.319  | 17.460 | 49493668  | 401.773 | 1200             | ug/ml |