

## Report of Analysis

|                    |                                              |                 |              |
|--------------------|----------------------------------------------|-----------------|--------------|
| Client:            | PSEG                                         | Date Collected: | 04/14/25     |
| Project:           | Oradell Gas and Appliance Service MA00006789 | Date Received:  | 04/14/25     |
| Client Sample ID:  | OR-03-041425-E2                              | SDG No.:        | Q1806        |
| Lab Sample ID:     | Q1806-02                                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                                        | % Solid:        | 89.1         |
| 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 |
| 04/15/25 09:03 | 04/16/25 9:39   | PB167597      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 109   |           | 5        | 6.61 | 11.2       | mg/kg             | FE053381.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 97.2  |           | 5        | 5.10 | 22.4       | mg/kg             | FE053381.D |
| Total AliphaticEPH | Total AliphaticEPH | 206   |           |          | 11.7 | 33.6       | mg/kg             |            |
| Total EPH          | Total EPH          | 206   |           |          | 11.7 | 33.6       | 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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|                    |                                              |                 |                      |
|--------------------|----------------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                         | Date Collected: | 04/14/25             |
| Project:           | Oradell Gas and Appliance Service MA00006789 | Date Received:  | 04/14/25             |
| Client Sample ID:  | OR-03-041425-E2                              | SDG No.:        | Q1806                |
| Lab Sample ID:     | Q1806-02                                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                        | % Solid:        | 89.1                 |
| 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 |
| FE053373.D | 1         | 04/15/25    | 04/15/25        | PB167597      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 103   | E         | 1.02     | 4.48       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 108   | E         | 1.32     | 2.24       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 44.9  |           | 40 - 140 | 90%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 30.4  |           | 40 - 140 | 61%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                 |                    |                   |
|-------------------|-----------------|--------------------|-------------------|
| Lab Sample ID:    | Q1806-02        | Acq On:            | 15 Apr 2025 16:11 |
| Client Sample ID: | OR-03-041425-E2 | Operator:          | YP\AJ             |
| Data file:        | FE053373.D      | Misc:              |                   |
| Instrument:       | FID_E           | ALS Vial:          | 13                |
| Dilution Factor:  | 1               | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.136  | 6.780  | 1604360   | 10.282  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.781  | 10.233 | 6447255   | 41.966  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.234 | 13.612 | 90847570  | 629.412 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.613 | 17.286 | 94555968  | 703.817 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.287 | 22.197 | 180035514 | 1450    | 600              | ug/ml |
| Aliphatic EPH             | 3.136  | 22.197 | 373490667 | 2830    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.896 | 11.896 | 4958050   | 30.44   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.343 | 13.343 | 5386135   | 44.87   |                  | ug/ml |
| Aliphatic C9-C28          | 3.136  | 17.286 | 193455153 | 1390    | 1200             | ug/ml |