

## Report of Analysis

|                    |                                             |                 |              |
|--------------------|---------------------------------------------|-----------------|--------------|
| Client:            | PSEG                                        | Date Collected: | 10/06/25     |
| Project:           | Orange Gas and Appliance Service MA00006789 | Date Received:  | 10/06/25     |
| Client Sample ID:  | EO-01-10062025                              | SDG No.:        | Q3295        |
| Lab Sample ID:     | Q3295-01                                    | Matrix:         | Solid        |
| Analytical Method: | NJEPH                                       | % Solid:        | 93.1         |
| 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 |
| 10/07/25 08:00 | 10/08/25 9:47   | PB170001      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 74.4  |           | 5        | 6.32 | 10.7       | mg/kg FG016774.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 56.7  |           | 1        | 0.98 | 4.29       | mg/kg FG016762.D  |
| Total AliphaticEPH | Total AliphaticEPH | 131   |           |          | 7.29 | 15.0       | mg/kg             |
| Total EPH          | Total EPH          | 131   |           |          | 7.29 | 15.0       | 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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| Analytical Method: | NJEPH                                       | % Solid:        | 93.1                 |
| 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 |
| FG016762.D | 1         | 10/07/25    | 10/07/25        | PB170001      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 56.7  |           | 0.98     | 4.29       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 74.7  | E         | 1.26     | 2.14       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 34.1  |           | 40 - 140 | 68%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.1  |           | 40 - 140 | 56%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                |                    |                   |
|-------------------|----------------|--------------------|-------------------|
| Lab Sample ID:    | Q3295-01       | Acq On:            | 07 Oct 2025 15:14 |
| Client Sample ID: | EO-01-10062025 | Operator:          | YP\AJ             |
| Data file:        | FG016762.D     | Misc:              |                   |
| Instrument:       | FID_G          | ALS Vial:          | 23                |
| Dilution Factor:  | 1              | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.271  | 6.913  | 18960855  | 150.286 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.914  | 10.374 | 55918994  | 430.893 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.375 | 13.763 | 19914932  | 142     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.764 | 17.448 | 10492897  | 71.575  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.449 | 22.476 | 120698234 | 1050    | 600              | ug/ml |
| Aliphatic EPH             | 3.271  | 22.476 | 225985912 | 1840    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.053 | 12.053 | 4392015   | 28.12   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.500 | 13.500 | 4168192   | 34.08   |                  | ug/ml |
| Aliphatic C9-C28          | 3.271  | 17.448 | 105287678 | 794.754 | 1200             | ug/ml |