

## Report of Analysis

|                    |                                             |                 |          |
|--------------------|---------------------------------------------|-----------------|----------|
| Client:            | PSEG                                        | Date Collected: | 10/24/25 |
| Project:           | Summit Gas and Appliance Service MA00006789 | Date Received:  | 10/24/25 |
| Client Sample ID:  | SU-03-10242025                              | SDG No.:        | Q3465    |
| Lab Sample ID:     | Q3465-01                                    | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                       | % Solid:        | 93.1     |
| Sample Wt/Vol:     | 30.07 g                                     | Test:           | EPH_NF   |
| Prep Method :      |                                             | Final Vol:      | 2000 uL  |
|                    |                                             | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 27.0  |      | 1  | 1.26 | 2.14       | mg/kg | FE056538.D | 10/28/25 14:24 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 33.1  |      | 1  | 0.98 | 4.28       | mg/kg | FE056538.D | 10/28/25 14:24 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 60.1  |      |    | 2.23 | 6.42       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 60.1  |      |    | 2.23 | 6.42       | 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 Sample ID:  | SU-03-10242025                              | SDG No.:        | Q3465    |
| Lab Sample ID:     | Q3465-01                                    | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                       | % Solid:        | 93.1     |
| Sample Wt/Vol:     | 30.07 g                                     | Final Vol:      | 2000 uL  |
| Prep Method :      |                                             | Test:           | EPH_NF   |
|                    | Prep Date                                   | 10/28/25        |          |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 33.1  | 1    |    | 0.98     | 4.28       | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 27.0  | 1    |    | 1.26     | 2.14       | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 27.5  |      |    | 40 - 140 | 55%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 27.1  |      |    | 40 - 140 | 54%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |                |                    |                   |
|-------------------|----------------|--------------------|-------------------|
| Lab Sample ID:    | Q3465-01       | Acq On:            | 28 Oct 2025 14:24 |
| Client Sample ID: | SU-03-10242025 | Operator:          | YP\AJ             |
| Data file:        | FE056538.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          | 3.240  | 6.866  | 7206786   | 43.657  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.867  | 10.314 | 39594249  | 232.162 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.315 | 13.690 | 28212833  | 157.933 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.691 | 17.361 | 5139741   | 28.699  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.362 | 22.315 | 52472281  | 378.035 | 600              | ug/ml |
| Aliphatic EPH             | 3.240  | 22.315 | 132625890 | 840.486 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.984 | 11.984 | 5525845   | 27.05   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.423 | 13.423 | 4193905   | 27.49   |                  | ug/ml |
| Aliphatic C9-C28          | 3.240  | 17.361 | 80153609  | 462.451 | 1200             | ug/ml |