

## Report of Analysis

|                    |                                             |                 |         |
|--------------------|---------------------------------------------|-----------------|---------|
| Client:            | PSEG                                        | Date Collected: |         |
| Project:           | Summit Gas and Appliance Service MA00006789 | Date Received:  |         |
| Client Sample ID:  | PB169432BSD                                 | SDG No.:        | Q2960   |
| Lab Sample ID:     | PB169432BSD                                 | Matrix:         | Solid   |
| Analytical Method: | NJEPH                                       | % Solid:        | 100     |
| Sample Wt/Vol:     | 30.01 Units: g                              | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  | uL                                          | Test:           | EPH_NF  |
| Prep Method :      |                                             |                 |         |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/28/25 08:55 | 08/28/25 21:51  | PB169432      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 32.9  |           | 1        | 1.18 | 2.00       | mg/kg             | FC069778.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 82.7  | E         | 1        | 0.91 | 4.00       | mg/kg             | FC069778.D |
| Total AliphaticEPH | Total AliphaticEPH | 116   |           |          | 2.09 | 6.00       | mg/kg             |            |
| Total EPH          | Total EPH          | 116   |           |          | 2.09 | 6.00       | 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: |                      |
| Project:           | Summit Gas and Appliance Service MA00006789 | Date Received:  |                      |
| Client Sample ID:  | PB169432BSD                                 | SDG No.:        | Q2960                |
| Lab Sample ID:     | PB169432BSD                                 | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                       | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      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 |
| FC069778.D | 1         | 08/28/25    | 08/28/25        | PB169432      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 82.7  | E         | 0.91     | 4.00       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 32.9  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 41.8  |           | 40 - 140 | 84%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 40.0  |           | 40 - 140 | 80%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB169432BSD | Acq On:            | 28 Aug 2025 21:51 |
| Client Sample ID: | PB169432BSD | Operator:          | YP/AJ             |
| Data file:        | FC069778.D  | Misc:              |                   |
| Instrument:       | FID_C       | ALS Vial:          | 22                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.295  | 6.591  | 28816759  | 226.95  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.592  | 9.993  | 36520246  | 284.559 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.994  | 13.361 | 38303878  | 325.275 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.362 | 17.027 | 41355233  | 402.97  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.028 | 21.995 | 40200644  | 493.6   | 600              | ug/ml |
| Aliphatic EPH             | 3.295  | 21.995 | 185196760 | 1730    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.662 | 11.662 | 5180184   | 40      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.097 | 13.097 | 4002101   | 41.83   |                  | ug/ml |
| Aliphatic C9-C28          | 3.295  | 17.027 | 144996116 | 1240    | 1200             | ug/ml |