

## Report of Analysis

|                    |                                             |                 |                      |
|--------------------|---------------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                        | Date Collected: | 06/12/25             |
| Project:           | Orange Gas and Appliance Service MA00006789 | Date Received:  | 06/12/25             |
| Client Sample ID:  | EO-02-06122025-E2DL                         | SDG No.:        | Q2308                |
| Lab Sample ID:     | Q2308-02DL                                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                       | % Solid:        | 91.1                 |
| Sample Wt/Vol:     | 30.04      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 |
| FC069214.D | 10        | 06/13/25    | 06/13/25        | PB168463      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 26.8  | J         | 9.98     | 43.9       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 129   |           | 12.9     | 21.9       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 2.73  |           | 40 - 140 | 55%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 2.59  |           | 40 - 140 | 52%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q2308-02DL | Acq On:            | 13 Jun 2025 17:59 |
| Client Sample ID: | Q2308-02DL | Operator:          | YP/AJ             |
| Data file:        | FC069214.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 16                |
| Dilution Factor:  | 10         | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.303  | 6.605  | 965677   | 9.135   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.606  | 10.008 | 2168178  | 21.26   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.009 | 13.378 | 614192   | 6.276   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.379 | 17.045 | 535304   | 5.707   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.046 | 22.029 | 16738638 | 177.243 | 600              | ug/ml |
| Aliphatic EPH             | 3.303  | 22.029 | 21021989 | 219.62  |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.678 | 11.678 | 319427   | 2.59    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.115 | 13.115 | 244508   | 2.73    |                  | ug/ml |
| Aliphatic C9-C28          | 3.303  | 17.045 | 4283351  | 42.378  | 1200             | ug/ml |