

## Report of Analysis

|                    |                                              |                 |                      |
|--------------------|----------------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                         | Date Collected: |                      |
| Project:           | Oradell Gas and Appliance Service MA00006789 | Date Received:  |                      |
| Client Sample ID:  | OR-02-071525MSD                              | SDG No.:        | Q2612                |
| Lab Sample ID:     | Q2612-01MSD                                  | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                        | % Solid:        | 85                   |
| Sample Wt/Vol:     | 30.04      Units:    g                       | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                                           | Test:           | EPH_NF               |
| Prep Method :      |                                              |                 |                      |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 07/16/25 09:25 | 07/16/25 18:47  | PB168876      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Total AliphaticEPH | Total AliphaticEPH | 121   |           |          | 2.46 | 7.04       | mg/kg             |
| Total EPH          | Total EPH          | 121   |           |          | 2.46 | 7.04       | 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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| Soil Aliquot Vol:  | uL                                           | Test:           | EPH_NF               |
| Prep Method :      |                                              |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE054882.D | 1         | 07/16/25    | 07/16/25        | PB168876      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 70.3  |           | 1.07     | 4.69       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 50.2  | E         | 1.39     | 2.35       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 36.7  |           | 40 - 140 | 73%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.3  |           | 40 - 140 | 75%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q2612-01MSD | Acq On:            | 16 Jul 2025 18:47 |
| Client Sample ID: | Q2612-01MSD | Operator:          | YP\AJ             |
| Data file:        | FE054882.D  | Misc:              |                   |
| Instrument:       | FID_E       | ALS Vial:          | 19                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.325  | 6.958  | 19143718  | 140.706 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.959  | 10.410 | 28060997  | 199.626 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.411 | 13.787 | 35845907  | 248.251 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.788 | 17.458 | 44960998  | 310.822 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.459 | 22.479 | 88780207  | 640.33  | 600              | ug/ml |
| Aliphatic EPH             | 3.325  | 22.479 | 216791827 | 1540    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.090 | 12.090 | 6053782   | 37.28   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.524 | 13.524 | 4635553   | 36.7    |                  | ug/ml |
| Aliphatic C9-C28          | 3.325  | 17.458 | 128011620 | 899.405 | 1200             | ug/ml |