

## Report of Analysis

|                    |                                              |                 |                      |
|--------------------|----------------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                         | Date Collected: | 08/27/25             |
| Project:           | Trenton Gas and Appliance Service MA00006789 | Date Received:  | 08/27/25             |
| Client Sample ID:  | TR-05-08272025                               | SDG No.:        | Q2969                |
| Lab Sample ID:     | Q2969-01                                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                        | % Solid:        | 95.5                 |
| Sample Wt/Vol:     | 30.07      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 14:35  | PB169432      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 19.6  |           | 1        | 1.23 | 2.09       | mg/kg             | FE055553.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 2.95  | J         | 1        | 0.95 | 4.17       | mg/kg             | FE055553.D |
| Total AliphaticEPH | Total AliphaticEPH | 22.5  |           |          | 2.18 | 6.26       | mg/kg             |            |
| Total EPH          | Total EPH          | 22.5  |           |          | 2.18 | 6.26       | 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:        | 95.5                 |
| Sample Wt/Vol:     | 30.07      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 |
| FE055553.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          | 2.95  | J         | 0.95     | 4.17       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 19.6  |           | 1.23     | 2.09       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 36.4  |           | 40 - 140 | 73%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 35.3  |           | 40 - 140 | 71%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                |                    |                   |
|-------------------|----------------|--------------------|-------------------|
| Lab Sample ID:    | Q2969-01       | Acq On:            | 28 Aug 2025 14:35 |
| Client Sample ID: | TR-05-08272025 | Operator:          | YP\AJ             |
| Data file:        | FE055553.D     | Misc:              |                   |
| Instrument:       | FID_E          | ALS Vial:          | 11                |
| Dilution Factor:  | 1              | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.314  | 6.948  | 456145   | 3.552   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.949  | 10.400 | 1321523  | 9.782   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.401 | 13.779 | 1573340  | 10.91   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.780 | 17.450 | 2593891  | 18.109  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.451 | 22.465 | 38828538 | 281.939 | 600              | ug/ml |
| Aliphatic EPH             | 3.314  | 22.465 | 44773437 | 324.292 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.080 | 12.080 | 5798828  | 35.3    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.516 | 13.516 | 4551640  | 36.4    |                  | ug/ml |
| Aliphatic C9-C28          | 3.314  | 17.450 | 5944899  | 42.353  | 1200             | ug/ml |