

## Report of Analysis

|                    |  |                 |                              |
|--------------------|--|-----------------|------------------------------|
| Client:            | PSEG   | Date Collected: | 09/18/25                     |
| Project:           | Trenton Gas and Appliance Service MA00006789 | Date Received:  | 09/18/25                     |
| Client Sample ID:  | TR-04-091825                                 | SDG No.:        | Q3140                        |
| Lab Sample ID:     | Q3140-01                                     | Matrix:         | Solid                        |
| Analytical Method: | NJEPH  | % Solid:        | 85.8                         |
| Sample Wt/Vol:     | 30.08      Units:    g                       | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL   | Test:           | EPH_NF                       |
| Prep Method :      |  |                 |                              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 09/19/25 08:55 | 09/19/25 18:27  | PB169750      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 42.1  |           | 1        | 1.37 | 2.32       | mg/kg             | FE055907.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 13.6  |           | 1        | 1.06 | 4.64       | mg/kg             | FE055907.D |
| Total AliphaticEPH | Total AliphaticEPH | 55.7  |           |          | 2.43 | 6.96       | mg/kg             |            |
| Total EPH          | Total EPH          | 55.7  |           |          | 2.43 | 6.96       | 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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|--------------------|--|-----------------|----------------------|
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| Project:           | Trenton Gas and Appliance Service MA00006789 | Date Received:  | 09/18/25             |
| Client Sample ID:  | TR-04-091825                                 | SDG No.:        | Q3140                |
| Lab Sample ID:     | Q3140-01                                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH  | % Solid:        | 85.8                 |
| Sample Wt/Vol:     | 30.08      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 |
| FE055907.D | 1         | 09/19/25    | 09/19/25        | PB169750      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 13.6  |           | 1.06     | 4.64       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 42.1  |           | 1.37     | 2.32       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 33.5  |           | 40 - 140 | 67%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 30.8  |           | 40 - 140 | 62%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | Q3140-01     | Acq On:            | 19 Sep 2025 18:27 |
| Client Sample ID: | TR-04-091825 | Operator:          | YP\AJ             |
| Data file:        | FE055907.D   | Misc:              |                   |
| Instrument:       | FID_E        | ALS Vial:          | 21                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.311  | 6.947  | 2016744  | 15.706  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.948  | 10.401 | 7969916  | 58.995  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.402 | 13.781 | 10216693 | 70.842  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.782 | 17.454 | 4218200  | 29.449  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.455 | 22.471 | 74839566 | 543.42  | 600              | ug/ml |
| Aliphatic EPH             | 3.311  | 22.471 | 99261119 | 718.412 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.076 | 12.076 | 5058565  | 30.79   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.513 | 13.513 | 4190624  | 33.51   |                  | ug/ml |
| Aliphatic C9-C28          | 3.311  | 17.454 | 24421553 | 174.992 | 1200             | ug/ml |