

## Report of Analysis

|                    |                                              |                 |          |
|--------------------|----------------------------------------------|-----------------|----------|
| Client:            | PSEG                                         | Date Collected: | 04/04/25 |
| Project:           | Trenton Gas and Appliance Service MA00006789 | Date Received:  | 04/04/25 |
| Client Sample ID:  | TR-06-040725-E2                              | SDG No.:        | Q1742    |
| Lab Sample ID:     | Q1742-02                                     | Matrix:         | Solid    |
| Analytical Method: | NJEPH                                        | % Solid:        | 88.8     |
| 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 |
| 04/08/25 10:10 | 04/08/25 19:38  | PB167512      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 32.7  |           | 1        | 1.33 | 2.25       | mg/kg FE053244.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 32.1  |           | 1        | 1.02 | 4.51       | mg/kg FE053244.D  |
| Total AliphaticEPH | Total AliphaticEPH | 64.8  |           |          | 2.36 | 6.76       | mg/kg             |
| Total EPH          | Total EPH          | 64.8  |           |          | 2.36 | 6.76       | 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:  | 04/04/25             |
| Client Sample ID:  | TR-06-040725-E2                              | SDG No.:        | Q1742                |
| Lab Sample ID:     | Q1742-02                                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                        | % Solid:        | 88.8                 |
| 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 |
| FE053244.D | 1         | 04/08/25    | 04/08/25        | PB167512      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 32.1  |           | 1.02     | 4.51       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 32.7  |           | 1.33     | 2.25       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 32.3  |           | 40 - 140 | 65%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 24.9  |           | 40 - 140 | 50%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                 |                    |                   |
|-------------------|-----------------|--------------------|-------------------|
| Lab Sample ID:    | Q1742-02        | Acq On:            | 08 Apr 2025 19:38 |
| Client Sample ID: | TR-06-040725-E2 | Operator:          | YP\AJ             |
| Data file:        | FE053244.D      | Misc:              |                   |
| Instrument:       | FID_E           | ALS Vial:          | 17                |
| Dilution Factor:  | 1               | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.139  | 6.782  | 3073312   | 19.697  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.783  | 10.234 | 19985711  | 130.089 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.235 | 13.613 | 23389579  | 162.048 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.614 | 17.285 | 15439145  | 114.92  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.286 | 22.199 | 54203556  | 436.223 | 600              | ug/ml |
| Aliphatic EPH             | 3.139  | 22.199 | 116091303 | 862.976 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.896 | 11.896 | 4050876   | 24.87   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.342 | 13.342 | 3874119   | 32.27   |                  | ug/ml |
| Aliphatic C9-C28          | 3.139  | 17.285 | 61887747  | 426.754 | 1200             | ug/ml |