

## Report of Analysis

|                    |                                              |                 |              |
|--------------------|----------------------------------------------|-----------------|--------------|
| Client:            | PSEG                                         | Date Collected: | 11/04/24     |
| Project:           | Trenton Gas and Appliance Service MA00006789 | Date Received:  | 11/04/24     |
| Client Sample ID:  | TR-04-110424                                 | SDG No.:        | P4706        |
| Lab Sample ID:     | P4706-01                                     | Matrix:         | Solid        |
| Analytical Method: | NJEPH                                        | % Solid:        | 93.5         |
| 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 |
| 11/06/24 08:32 | 11/07/24 10:12  | PB164709      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 160   |           | 5        | 9.60 | 10.7       | mg/kg FF014948.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 24.7  |           | 1        | 1.84 | 4.27       | mg/kg FF014932.D  |
| Total AliphaticEPH | Total AliphaticEPH | 185   |           |          | 11.4 | 15.0       | mg/kg             |
| Total EPH          | Total EPH          | 185   |           |          | 11.4 | 15.0       | 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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| 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 |
| FF014932.D | 1         | 11/06/24    | 11/06/24        | PB164709      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 24.7  |           | 1.84     | 4.27       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 156   | E         | 1.92     | 2.13       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 45.7  |           | 40 - 140 | 91%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 46.0  |           | 40 - 140 | 92%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |              |                    |                   |
|-------------------|--------------|--------------------|-------------------|
| Lab Sample ID:    | P4706-01     | Acq On:            | 06 Nov 2024 15:58 |
| Client Sample ID: | TR-04-110424 | Operator:          | YP\AJ             |
| Data file:        | FF014932.D   | Misc:              |                   |
| Instrument:       | FID_F        | ALS Vial:          | 18                |
| Dilution Factor:  | 1            | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.223  | 6.833  | 4115823   | 32.272  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.264 | 9366967   | 71.035  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.265 | 13.628 | 17497960  | 127.158 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.629 | 17.288 | 16234435  | 117.076 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.289 | 22.181 | 248507567 | 2200    | 600              | ug/ml |
| Aliphatic EPH             | 3.223  | 22.181 | 295722752 | 2550    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.936 | 11.936 | 7010944   | 45.98   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.371 | 13.371 | 5492401   | 45.72   |                  | ug/ml |
| Aliphatic C9-C28          | 3.223  | 17.288 | 47215185  | 347.541 | 1200             | ug/ml |