

## Report of Analysis

|                    |                                              |                 |                              |
|--------------------|----------------------------------------------|-----------------|------------------------------|
| Client:            | PSEG                                         | Date Collected: | 10/25/24                     |
| Project:           | Trenton Gas and Appliance Service MA00006789 | Date Received:  | 10/25/24                     |
| Client Sample ID:  | TR-05-102524-E2                              | SDG No.:        | P4577                        |
| Lab Sample ID:     | P4577-02                                     | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                                        | % Solid:        | 92.1                         |
| Sample Wt/Vol:     | 30.09      Units:    g                       | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                                           | Test:           | EPH_NF                       |
| Prep Method :      |                                              |                 |                              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 10/26/24 09:00 | 10/28/24 16:23  | PB164436      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 11.4  |           | 1        | 1.95 | 2.17       | mg/kg             | FE050863.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 3.83  | J         | 1        | 1.86 | 4.32       | mg/kg             | FE050863.D |
| Total AliphaticEPH | Total AliphaticEPH | 15.2  |           |          | 3.81 | 6.49       | mg/kg             |            |
| Total EPH          | Total EPH          | 15.2  |           |          | 3.81 | 6.49       | 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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| Client Sample ID:  | TR-05-102524-E2                              | SDG No.:        | P4577                |
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| Analytical Method: | NJEPH                                        | % Solid:        | 92.1                 |
| Sample Wt/Vol:     | 30.09      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 |
| FE050863.D | 1         | 10/26/24    | 10/28/24        | PB164436      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 3.83  | J         | 1.86     | 4.32       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 11.4  |           | 1.95     | 2.17       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 22.3  |           | 40 - 140 | 45%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 21.1  |           | 40 - 140 | 42%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                 |                    |                   |
|-------------------|-----------------|--------------------|-------------------|
| Lab Sample ID:    | P4577-02        | Acq On:            | 28 Oct 2024 16:23 |
| Client Sample ID: | TR-05-102524-E2 | Operator:          | YP\AJ             |
| Data file:        | FE050863.D      | Misc:              |                   |
| Instrument:       | FID_E           | ALS Vial:          | 18                |
| Dilution Factor:  | 1               | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.147  | 6.765  | 1645689  | 11.516  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.766  | 10.198 | 1702564  | 11.732  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.199 | 13.558 | 1552497  | 10.751  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.559 | 17.213 | 2711262  | 19.073  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.214 | 22.064 | 21913296 | 158.444 | 600              | ug/ml |
| Aliphatic EPH             | 3.147  | 22.064 | 29525308 | 211.516 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.857 | 11.857 | 3330987  | 21.13   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.291 | 13.291 | 2638079  | 22.3    |                  | ug/ml |
| Aliphatic C9-C28          | 3.147  | 17.213 | 7612012  | 53.072  | 1200             | ug/ml |