

## Report of Analysis

|                    |                                              |                 |                              |
|--------------------|----------------------------------------------|-----------------|------------------------------|
| Client:            | PSEG                                         | Date Collected: | 06/18/25                     |
| Project:           | Trenton Gas and Appliance Service MA00006789 | Date Received:  | 06/18/25                     |
| Client Sample ID:  | TR-06-06182025-E2                            | SDG No.:        | Q2357                        |
| Lab Sample ID:     | Q2357-02                                     | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                                        | % Solid:        | 97.5                         |
| Sample Wt/Vol:     | 30.02      Units:    g                       | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                                           | Test:           | EPH_NF                       |
| Prep Method :      |                                              |                 |                              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 06/19/25 09:35 | 06/20/25 8:52   | PB168552      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 55.0  |           | 2        | 2.42 | 4.10       | mg/kg             | FE054511.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 19.5  |           | 1        | 0.93 | 4.09       | mg/kg             | FE054499.D |
| Total AliphaticEPH | Total AliphaticEPH | 74.5  |           |          | 3.35 | 8.19       | mg/kg             |            |
| Total EPH          | Total EPH          | 74.5  |           |          | 3.35 | 8.19       | 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-06-06182025-E2                            | SDG No.:        | Q2357                |
| Lab Sample ID:     | Q2357-02                                     | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                        | % Solid:        | 97.5                 |
| Sample Wt/Vol:     | 30.02      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 |
| FE054499.D | 1         | 06/19/25    | 06/19/25        | PB168552      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 19.5  |           | 0.93     | 4.09       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 56.4  | E         | 1.21     | 2.05       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 28.5  |           | 40 - 140 | 57%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 25.9  |           | 40 - 140 | 52%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                   |                    |                   |
|-------------------|-------------------|--------------------|-------------------|
| Lab Sample ID:    | Q2357-02          | Acq On:            | 19 Jun 2025 16:56 |
| Client Sample ID: | TR-06-06182025-E2 | Operator:          | YP\AJ             |
| Data file:        | FE054499.D        | Misc:              |                   |
| Instrument:       | FID_E             | ALS Vial:          | 7                 |
| Dilution Factor:  | 1                 | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.072  | 6.717  | 2387005   | 19.057  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.718  | 10.164 | 6665097   | 50.82   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.165 | 13.537 | 16241244  | 121.27  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.538 | 17.203 | 12008846  | 94.507  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.204 | 22.070 | 105919413 | 825.912 | 600              | ug/ml |
| Aliphatic EPH             | 3.072  | 22.070 | 143221605 | 1110    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.826 | 11.826 | 4277087   | 25.88   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.271 | 13.271 | 3476084   | 28.5    |                  | ug/ml |
| Aliphatic C9-C28          | 3.072  | 17.203 | 37302192  | 285.654 | 1200             | ug/ml |