

## Report of Analysis

|                    |                                                    |                 |              |
|--------------------|----------------------------------------------------|-----------------|--------------|
| Client:            | PSEG                                               | Date Collected: | 07/03/25     |
| Project:           | Central (Harrison) Gas Division Service MA00006789 | Date Received:  | 07/03/25     |
| Client Sample ID:  | HR-3-070325                                        | SDG No.:        | Q2513        |
| Lab Sample ID:     | Q2513-03                                           | Matrix:         | Solid        |
| Analytical Method: | NJEPH                                              | % Solid:        | 94.4         |
| 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 |
| 07/07/25 09:30 | 07/08/25 12:27  | PB168738      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 48.9  |           | 2        | 2.50 | 4.24       | mg/kg             | FE054737.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 10.7  |           | 1        | 0.96 | 4.24       | mg/kg             | FE054721.D |
| Total AliphaticEPH | Total AliphaticEPH | 59.5  |           |          | 3.46 | 8.48       | mg/kg             |            |
| Total EPH          | Total EPH          | 59.5  |           |          | 3.46 | 8.48       | 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:  | HR-3-070325                                        | SDG No.:        | Q2513                |
| Lab Sample ID:     | Q2513-03                                           | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                              | % Solid:        | 94.4                 |
| 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 |
| FE054721.D | 1         | 07/07/25    | 07/08/25        | PB168738      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 10.7  |           | 0.96     | 4.24       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 54.1  | E         | 1.25     | 2.12       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 28.6  |           | 40 - 140 | 57%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.8  |           | 40 - 140 | 58%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q2513-03    | Acq On:            | 08 Jul 2025 00:08 |
| Client Sample ID: | HR-3-070325 | Operator:          | YP\AJ             |
| Data file:        | FE054721.D  | Misc:              |                   |
| Instrument:       | FID_E       | ALS Vial:          | 30                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.322  | 6.953  | 2152524   | 15.821  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.954  | 10.404 | 6605392   | 46.991  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.405 | 13.782 | 9096064   | 62.995  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.783 | 17.452 | 3605446   | 24.925  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.453 | 22.469 | 106218476 | 766.105 | 600              | ug/ml |
| Aliphatic EPH             | 3.322  | 22.469 | 127677902 | 916.836 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 12.087 | 12.087 | 4675242   | 28.79   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.523 | 13.523 | 3616845   | 28.64   |                  | ug/ml |
| Aliphatic C9-C28          | 3.322  | 17.452 | 21459426  | 150.732 | 1200             | ug/ml |