

## Report of Analysis

|                    |                                                    |                 |              |
|--------------------|----------------------------------------------------|-----------------|--------------|
| Client:            | PSEG                                               | Date Collected: | 10/29/24     |
| Project:           | Central (Harrison) Gas Division Service MA00006789 | Date Received:  | 10/29/24     |
| Client Sample ID:  | HR-04-102924-E2                                    | SDG No.:        | P4618        |
| Lab Sample ID:     | P4618-04                                           | Matrix:         | Solid        |
| Analytical Method: | NJEPH                                              | % Solid:        | 96.6         |
| Sample Wt/Vol:     | 30.04      Units: g                                | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                                                 | Test:           | EPH_NF       |
| Prep Method :      |                                                    |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 10/30/24 10:50 | 10/30/24 21:57  | PB164528      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 15.8  |           | 1        | 1.86 | 2.07       | mg/kg             | FE050912.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 1.78  | U         | 1        | 1.78 | 4.13       | mg/kg             | FE050912.D |
| Total AliphaticEPH | Total AliphaticEPH | 15.8  |           |          | 3.64 | 6.20       | mg/kg             |            |
| Total EPH          | Total EPH          | 15.8  |           |          | 3.64 | 6.20       | 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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|                    |                                                    |                 |                      |
|--------------------|----------------------------------------------------|-----------------|----------------------|
| Client:            | PSEG                                               | Date Collected: | 10/29/24             |
| Project:           | Central (Harrison) Gas Division Service MA00006789 | Date Received:  | 10/29/24             |
| Client Sample ID:  | HR-04-102924-E2                                    | SDG No.:        | P4618                |
| Lab Sample ID:     | P4618-04                                           | Matrix:         | Solid                |
| Analytical Method: | NJEPH                                              | % Solid:        | 96.6                 |
| Sample Wt/Vol:     | 30.04      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 |
| FE050912.D | 1         | 10/30/24    | 10/30/24        | PB164528      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 0.000 | U         | 1.78     | 4.13       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 15.8  |           | 1.86     | 2.07       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 39.0  |           | 40 - 140 | 78%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 36.6  |           | 40 - 140 | 73%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |                 |                    |                   |
|-------------------|-----------------|--------------------|-------------------|
| Lab Sample ID:    | P4618-04        | Acq On:            | 30 Oct 2024 21:57 |
| Client Sample ID: | HR-04-102924-E2 | Operator:          | YP\AJ             |
| Data file:        | FE050912.D      | Misc:              |                   |
| Instrument:       | FID_E           | ALS Vial:          | 23                |
| Dilution Factor:  | 1               | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.144  | 6.762  | 411768   | 2.882   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.763  | 10.194 | 956102   | 6.588   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.195 | 13.554 | 855367   | 5.924   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.555 | 17.208 | 1273581  | 8.959   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.209 | 22.057 | 31683932 | 229.09  | 600              | ug/ml |
| Aliphatic EPH             | 3.144  | 22.057 | 35180750 | 253.443 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.858 | 11.858 | 5775886  | 36.64   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.292 | 13.292 | 4611372  | 38.98   |                  | ug/ml |
| Aliphatic C9-C28          | 3.144  | 17.208 | 3496818  | 24.353  | 1200             | ug/ml |